
**Industrial automation systems and
integration — Product data representation
and exchange —**

Part 332:

**Abstract test suite: Technical data
packaging core information and exchange**

*Systèmes d'automatisation industrielle et intégration — Représentation et
échange de données de produits —*

Partie 332: Suite d'essai abstrait: Paquet de données techniques



Reference number
ISO/TS 10303-332:2002(E)

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

In other circumstances, particularly when there is an urgent market requirement for such documents, a technical committee may decide to publish other types of normative document:

- an ISO Publicly Available Specification (ISO/PAS) represents an agreement between technical experts in an ISO working group and is accepted for publication if it is approved by more than 50 % of the members of the parent committee casting a vote;
- an ISO Technical Specification (ISO/TS) represents an agreement between the members of a technical committee and is accepted for publication if it is approved by 2/3 of the members of the committee casting a vote.

An ISO/PAS or ISO/TS is reviewed every three years with a view to deciding whether it can be transformed into an International Standard.

Attention is drawn to the possibility that some of the elements of this part of ISO 10303 may be the subject of patent rights. ISO shall not be held responsible for any or all such patent rights.

ISO/TS 10303-323 was prepared by Technical Committee ISO/TC 184, *Industrial automation systems and integration*, Subcommittee SC 4, *Industrial data*.

This International Standard is organised as a series of parts, each published separately. The structure of this International Standard is described in ISO 10303-1.

Each part of this International Standard is a member of one of the following series: description methods, implementation methods, conformance testing methodology and framework, integrated generic resources, integrated application resources, application protocols, abstract test suites, application interpreted constructs, and application modules. This part is a member of the abstract test suite series.

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A complete list of parts of ISO 10303 is available from the Internet:

`<http://www.nist.gov/sc4/editing/step/titles/>`

Annexes A, B and C form a normative part of this part of ISO 10303. Annexes D and E are for information only.

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Introduction

ISO 10303 is an International Standard for the computer-interpretable representation of product information and for the exchange of product data. The objective is to provide a neutral mechanism capable of describing products throughout their life cycle. This mechanism is suitable not only for neutral file exchange, but also as a basis for implementing and sharing product databases, and as a basis for archiving.

This part of ISO 10303 specifies the abstract test suite for ISO 10303-232, Application protocol: Technical data packaging core information and exchange. The abstract test cases presented here are the basis for conformance testing of implementations of ISO 10303-232.

The purpose of an abstract test suite is to provide a basis for evaluating whether a particular implementation of an application protocol actually conforms to the requirements of that application protocol. A standard abstract test suite helps ensure that evaluations of conformance are conducted in a consistent manner by different test laboratories.

This abstract test suite is made up of two major parts:

- the test purposes, the specific items to be covered by conformance testing;
- the set of abstract test cases that meet those test purposes.

The test purposes are statements of the application protocol requirements that are to be addressed by the abstract test cases. Test purposes are derived primarily from the application protocol's information requirements and AIM, as well as from other sources such as standards referenced by the application protocol and requirements stated in the application protocol conformance requirements clause.

The abstract test cases address the test purposes by:

- specifying the requirements for input data to be used when testing an implementation of the application protocol;
- specifying the verdict criteria to be used when evaluating whether the implementation successfully converted the input data to a different form.

The abstract test cases set the requirements for the executable test cases that are required to actually conduct a conformance test. Executable test cases contain the scripts, detailed values, and other explicit information required to conduct a conformance test on a specific implementation of the application protocol.

At the time of publication of this document, conformance testing requirements had been established for implementations of application protocols in combination with ISO 10303-21 and ISO 10303-22. This part of ISO 10303 only specifies test purposes and abstract test cases for a subset of such implementations.

NOTE ISO TC184/SC4 has prepared Standing Documents [1] and [2] for documenting abstract test suites that are prepared as International Standards. Subsequent ISO TC184/SC4 resolutions allow abstract test suites to be prepared as Technical Specifications. This part of ISO 10303 was documented as a Technical Specification using the ISO TC184/SC4 Standing Documents [1] and [2] as a guide. Primary reliance was placed on [2].

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Portions of this part of ISO 10303 that relied on [1] are identified in NOTES in the appropriate clause or subclause. Technical differences in documentation of abstract test suites from the Standing Documents [1] and [2] are identified in NOTES throughout this part of ISO 10303. Editorial differences in documentation are not identified in this part of ISO 10303.

For ISO 10303-21, two kinds of implementations, preprocessors and postprocessors, must be tested. Both these are addressed in this abstract test suite.

For ISO 10303-22, a class of applications will possess the capability to upload and download AP-compliant SDAI-models or schema instances to and from applications that implement the SDAI. By providing test case data that correspond with SDAI-models, this abstract test suite addresses such applications in a single-schema scenario.

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1 Scope

This part of ISO 10303 specifies the abstract test suite to be used in the conformance testing of implementations of ISO 10303-232. The following are within the scope of this part of ISO 10303:

- the specification of the test purposes associated with ISO 10303-232;
- the verdict criteria to be applied during conformance testing of an implementation of ISO 10303-232 using ISO 10303-21 or ISO 10303-22;

NOTE The verdict criteria are used to ascertain whether a test purpose has been satisfactorily met by an implementation under test (IUT) within the context of a given test case.

- the abstract test cases to be used as the basis for the executable test cases for conformance testing.

The following are outside the scope of this part of ISO 10303:

- the creation of executable test cases;
- test specifications for tests other than conformance testing such as interoperability or acceptance testing;
- other implementation methods.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO 10303. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of ISO 10303 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 10303-1:1994, *Industrial automation systems and integration — Product data representation and exchange — Part 1: Overview and fundamental principles*

ISO 10303-11:1994, *Industrial automation systems and integration — Product data representation and exchange — Part 11: Description methods: The EXPRESS language reference manual*

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ISO 10303-21:2002, *Industrial automation systems and integration — Product data representation and exchange — Part 21: Implementation methods: Clear text encoding of the exchange structure*

ISO 10303-22:1998, *Industrial automation systems and integration — Product data representation and exchange — Part 22: Implementation methods: Standard data access interface*

ISO 10303-31:1994, *Industrial automation systems and integration — Product data representation and exchange — Part 31: Conformance testing methodology and framework: General concepts*

ISO 10303-32:1998, *Industrial automation systems and integration — Product data representation and exchange — Part 32: Conformance testing methodology and framework: Requirements on testing laboratories and clients*

ISO 10303-34:2001, *Industrial automation systems and integration — Product data representation and exchange — Part 34: Conformance testing methodology and framework: Abstract test methods for application protocol implementations*

ISO 10303-232:2002, *Industrial automation systems and integration — Product data representation and exchange — Part 232: Application protocol: Technical data packaging core information and exchange*

ISO/IEC 8824-1:1998, *Information technology — Abstract Syntax Notation One (ASN.1): Specification of basic notation*

3 Terms, definitions, and abbreviations

3.1 Terms defined in ISO 10303-1

For the purpose of this part of ISO 10303, the following terms defined in ISO 10303-1 apply.

- abstract test suite (ATS);
- application protocol (AP);
- implementation method.

3.2 Terms defined in ISO 10303-31

For the purpose of this part of ISO 10303, the following terms defined in ISO 10303-31 apply.

- abstract test case (ATC);
- conformance testing;
- executable test case;
- implementation under test (IUT);
- postprocessor;
- preprocessor;

- test purpose;
- verdict criterion.

3.3 Terms defined in ISO 10303-232

For the purpose of this part of ISO 10303, the following terms defined in ISO 10303-232 apply.

- associated list;
- data definition exchange (DDE);
- data list;
- indented data list;
- index list;
- parts list;
- TDP element;
- technical data package (TDP).

3.4 Other terms and definitions

For the purposes of this part of ISO 10303, the following definitions apply.

3.4.1

application element

an application object, attribute, or assertion defining the information requirements in clause 4 of an application protocol.

3.4.2

application element test purpose

a test purpose derived from the application elements in the ARM of an application protocol.

3.4.3

application interpreted model test purpose

a test purpose derived from the AIM EXPRESS schema of an application protocol.

3.4.4

domain test purpose

a test purpose that arises from the requirements that are implicit in an application protocol and derived from usage scenarios and the process and information flows in the application domain of an application protocol.

3.4.5

external reference test purpose

test purpose derived from requirements that arise from standards referenced by an application protocol.

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3.4.6

input specification

the instance model of an abstract test case presented in an unambiguous form, the table format for preprocessors and physical files (ISO 10303-21).

3.5 Abbreviations

AE	application element
AIM	application interpreted model
AP	application protocol
ARM	application reference model
ATS	abstract test suite
CC	conformance class
IUT	implementation under test
TDP	technical data package
UoF	unit of functionality

4 Test purposes

NOTE 1 Portions of this clause have been written in accordance with the Guidelines for the development of abstract test suites [1].

This clause specifies the test purposes for this part of ISO 10303. Clauses 4.1 and 4.2 describe the source and meaning of test purposes that are derived from the information requirement defined in ISO 10303-232, clause 4, and the AIM EXPRESS schema defined in ISO 10303-232, annex A. Each test purpose statement identifies some specific element from the application elements or the AIM. Every test purpose statement implicitly requires that the identified element, as specified in the test purpose statement, will be correctly instantiated by the implementation under test in at least one test case within the test suite.

Implementation method test purposes in 4.3 are derived from ISO 10303-21. Domain test purposes in 4.4 are derived from implicit domain requirements in the AP that are not clearly specified at the application element level. The primary source of these implicit domain requirements is optional mappings specified in ISO 10303-232, clause 5.1. Implementation method and domain test purposes are individually identified by the prefix “other” in the test purpose number. These test purposes are statements of requirements that shall be met by a conforming implementation.

NOTE 2 Not all test purposes are covered by an abstract test case in clause 6 of this edition of this part of ISO 10303. Additional test cases will be added to a future edition to provide more complete coverage of the test purposes.

4.1 Application element test purposes

NOTE 1 This clause has been written in accordance with the Guidelines for the development of abstract test suites [1].

AE test purposes are individually identified by the prefix “ae” in the test purpose number. Each test purpose derived from the information requirements shall be interpreted as given in the following statement: the IUT shall preserve the semantics associated with the unique application element from which the test purpose was derived. This implies that the semantics of the application element are preserved by the IUT between the input and output of a test, according to the reference path specified in the mapping table of the AP. AE test purposes apply to the input specifications of both preprocessor and postprocessor test cases. AE test purposes are derived from the AP information requirements as follows:

- application objects (see 4.2 of ISO 10303-232). A test purpose derived from an application object is a simple statement of the object's name. Each application object test purpose is documented in a separate subclause.

NOTE 2 The following application objects function as simple type attributes and do not have separate, derived test purposes: A_number, A_real, An_integer, Identifier, Label, Measure, and Text. See notes 2 and 3 below.

- application objects with categorisations (subtypes) (see 4.2 of ISO 10303-232). Test purposes derived from application objects with categorisations are statements of the application object name as a specific subtype.
- application object attributes (see 4.2 of ISO 10303-232). Test purposes derived from application object attributes are statements of the application object name with a specific attribute name.

NOTE 3 Only the application object attributes whose type is one of the application objects identified in note 1 have test purposes of this kind.

- application assertions (see 4.3 of ISO 10303-232). Test purposes derived from application assertions are statements describing the relationship between two application objects. Application assertion test purposes address the directions of relationships as well as the number (cardinality) of relationships.

NOTE 4 Application assertions that involve one of the application objects identified in note 1 do not have test purposes.

Each application object test purpose is listed as a separate subclause, with its related application object attribute test purposes and assertion test purposes.

4.1.1 Accessed_file

- ae1 Accessed_file
- ae2 Accessed_file with path_information not present
- ae3 Accessed_file with path_information
- ae4 Accessed_file with storage_node_identification not present
- ae5 Accessed_file with storage_node_identification
- ae6 Accessed_file is entry_files for one Data_definition_entry_item
- ae7 Accessed_file is entry_files for many Data_definition_entry_item objects

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- ae8 Accessed_file is entry_files for one Data_definition_entry_tdp_element
- ae9 Accessed_file is entry_files for many Data_definition_entry_tdp_element objects
- ae10 Accessed_file is file_entries for one Simple_list_of_files
- ae11 Accessed_file is file_entries for many Simple_list_of_files objects

4.1.2 Alternate_element_identification

- ae12 Alternate_element_identification
- ae13 Alternate_element_identification with identifying_number
- ae14 Alternate_element_identification with title not present
- ae15 Alternate_element_identification with title
- ae16 Alternate_element_identification has change_status of zero Change_identification
- ae17 Alternate_element_identification has change_status of one Change_identification
- ae18 Alternate_element_identification has design_activity of one Design_authority
- ae19 Alternate_element_identification has element_classifications of zero Element_type
- ae20 Alternate_element_identification has element_classifications of one Element_type
- ae21 Alternate_element_identification has element_classifications of many Element_type objects
- ae22 Alternate_element_identification has outstanding_changes of zero Other_reference_document
- ae23 Alternate_element_identification has outstanding_changes of one Other_reference_document
- ae24 Alternate_element_identification has outstanding_changes of many Other_reference_document objects
- ae25 Alternate_element_identification is alternate_identifications for one Element_identification
- ae26 Alternate_element_identification is alternate_identifications for many Element_identification objects

4.1.3 Alternate_identification_of_item

- ae27 Alternate_identification_of_item
- ae28 Alternate_identification_of_item with identifying_number of one Identifier
- ae29 Alternate_identification_of_item has identifying_number of one item_identifying_number_select as Drawing_suffix_number_combination
- ae30 Alternate_identification_of_item with nomenclature_or_name not present
- ae31 Alternate_identification_of_item with nomenclature_or_name
- ae32 Alternate_identification_of_item has change of zero Change_identification
- ae33 Alternate_identification_of_item has change of one Change_identification
- ae34 Alternate_identification_of_item has classifications of zero Item_type
- ae35 Alternate_identification_of_item has classifications of one Item_type
- ae36 Alternate_identification_of_item has classifications of many Item_type objects
- ae37 Alternate_identification_of_item has design_activity of one Design_authority
- ae38 Alternate_identification_of_item has source_information of zero Source_information_type
- ae39 Alternate_identification_of_item has source_information of one Source_information_type
- ae40 Alternate_identification_of_item is alternate_identifications for one Item_identification
- ae41 Alternate_identification_of_item is alternate_identifications for many Item_identification objects

4.1.4 Alternate_item

- ae42 Alternate_item
- ae43 Alternate_item with type_of_alternate not present
- ae44 Alternate_item with type_of_alternate

- ae45 Alternate_item with usage_conditions not present
- ae46 Alternate_item with usage_conditions of one An_integer
- ae47 Alternate_item with usage_conditions of many An_integer elements
- ae48 Alternate_item with usage_conditions of one Text
- ae49 Alternate_item with usage_conditions of many Text elements
- ae50 Alternate_item has interchange_item of one usage_context as Item
- ae51 Alternate_item has interchange_item of one usage_context as Item_usage
- ae52 Alternate_item is alternates for one Item
- ae53 Alternate_item is alternates for many Item objects

4.1.5 Annotation

- ae54 Annotation
- ae55 Annotation has annotation_geometry of zero Geometry
- ae56 Annotation has annotation_geometry of one Geometry
- ae57 Annotation is annotation_presentation for one Product_presentation
- ae58 Annotation is annotation_presentation for many Product_presentation objects

4.1.6 Approval

- ae59 Approval
- ae60 Approval with purpose_of
- ae61 Approval has approval_date of one Date
- ae62 Approval has person_organization of zero Person_and_organization
- ae63 Approval has person_organization of one Person_and_organization
- ae64 Approval is approval_of_configuration for one Product_configuration
- ae65 Approval is approval_of_configuration for many Product_configuration objects
- ae66 Approval is effectivity_approvals for one Effectivity
- ae67 Approval is effectivity_approvals for many Effectivity objects

4.1.7 Assembly

- ae68 Assembly

4.1.8 Associated_list

- ae69 Associated_list as Document_list
- ae70 Associated_list as Other_list
- ae71 Associated_list as Parts_list
- ae72 Associated_list has presentation of zero List_presentation
- ae73 Associated_list has presentation of one List_presentation
- ae74 Associated_list has related_to of zero drawing_or_product_data_set
- ae75 Associated_list has related_to of one drawing_or_product_data_set as Drawing
- ae76 Associated_list has related_to of one drawing_or_product_data_set as Product_data_set

4.1.9 Body_presentation

- ae77 Body_presentation
- ae78 Body_presentation has body_tabulation_presentation of one Tabulation
- ae79 Body_presentation has body_tabulation_presentation of many Tabulation objects

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- ae80 Body_presentation is body_page1_format for one List_presentation
- ae81 Body_presentation is body_page1_format for many List_presentation objects
- ae82 Body_presentation is body_pagen_format for one List_presentation
- ae83 Body_presentation is body_pagen_format for many List_presentation objects

4.1.10 Change_identification

- ae84 Change_identification
- ae85 Change_identification with change_code not present
- ae86 Change_identification with change_code = change
- ae87 Change_identification with change_code = original
- ae88 Change_identification with change_code = original with change
- ae89 Change_identification with change_code = other
- ae90 Change_identification with change_code = revision
- ae91 Change_identification with change_code = revision with change
- ae92 Change_identification with change_description not present
- ae93 Change_identification with change_description
- ae94 Change_identification with change_level not present
- ae95 Change_identification with change_level
- ae96 Change_identification with issue_level not present
- ae97 Change_identification with issue_level
- ae98 Change_identification with revision_authorization_identifications not present
- ae99 Change_identification with revision_authorization_identifications of one Identifier
- ae100 Change_identification with revision_authorization_identifications of many Identifier elements
- ae101 Change_identification with revision_description not present
- ae102 Change_identification with revision_description
- ae103 Change_identification with revision_level not present
- ae104 Change_identification with revision_level
- ae105 Change_identification has action_status of zero Status
- ae106 Change_identification has action_status of one Status
- ae107 Change_identification has change_date of zero Date
- ae108 Change_identification has change_date of one Date
- ae109 Change_identification has issue_date of zero Date
- ae110 Change_identification has issue_date of one Date
- ae111 Change_identification has revision_authorization_identifications of one revision_authorization_select as Other_reference_document
- ae112 Change_identification has revision_authorization_identifications of many revision_authorization_select as Other_reference_document objects
- ae113 Change_identification has revision_date of zero Date
- ae114 Change_identification has revision_date of one Date
- ae115 Change_identification is change for one Alternate_identification_of_item
- ae116 Change_identification is change for many Alternate_identification_of_item objects
- ae117 Change_identification is change_status for one Alternate_element_identification
- ae118 Change_identification is change_status for many Alternate_element_identification objects
- ae119 Change_identification is change_status for one Element_identification
- ae120 Change_identification is change_status for many Element_identification objects
- ae121 Change_identification is change_status for one File
- ae122 Change_identification is change_status for many File objects
- ae123 Change_identification is change for one Item_identification

ae124 Change_identification is change for many Item_identification objects

4.1.11 Column_header

- ae125 Column_header
- ae126 Column_header has single_column_header_titles of one Field_title
- ae127 Column_header has single_column_header_titles of many Field_title objects
- ae128 Column_header is tabulation_columnar_headings for one Tabulation
- ae129 Column_header is tabulation_columnar_headings for many Tabulation objects

4.1.12 Columnar_data_content_holder

- ae130 Columnar_data_content_holder
- ae131 Columnar_data_content_holder with column_content_presentation
- ae132 Columnar_data_content_holder is tabulation_columns for one Tabulation
- ae133 Columnar_data_content_holder is tabulation_columns for many Tabulation objects

4.1.13 Company

- ae134 Company
- ae135 Company with address not present
- ae136 Company with address
- ae137 Company with name
- ae138 Company is code_administrator for one Company_code
- ae139 Company is code_administrator for many Company_code objects
- ae140 Company is code_administrator for one Element_type
- ae141 Company is code_administrator for many Element_type objects
- ae142 Company is code_administrator for one Item_type
- ae143 Company is code_administrator for many Item_type objects
- ae144 Company is design_activity_identification for one Design_authority
- ae145 Company is design_activity_identification for many Design_authority objects
- ae146 Company is organization for one Person_and_organization
- ae147 Company is organization for many Person_and_organization objects
- ae148 Company is release_authority for one Release_authentication
- ae149 Company is release_authority for many Release_authentication objects
- ae150 Company is target_company for one System_destination
- ae151 Company is target_company for many System_destination objects

4.1.14 Company_code

- ae152 Company_code
- ae153 Company_code with code
- ae154 Company_code with type_of_code not present
- ae155 Company_code with type_of_code
- ae156 Company_code has code_administrator of zero Company
- ae157 Company_code has code_administrator of one Company
- ae158 Company_code is design_activity_code for one Design_authority
- ae159 Company_code is design_activity_code for many Design_authority objects
- ae160 Company_code is release_authority_code for one Release_authentication
- ae161 Company_code is release_authority_code for many Release_authentication objects

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- ae162 Company_code is target_company_code for one System_destination
- ae163 Company_code is target_company_code for many System_destination objects

4.1.15 Configuration

- ae164 Configuration
- ae165 Configuration with data_usage_rights not present
- ae166 Configuration with data_usage_rights
- ae167 Configuration has distribution_authorizations of zero Distribution_notice
- ae168 Configuration has distribution_authorizations of one Distribution_notice
- ae169 Configuration has distribution_authorizations of many Distribution_notice objects
- ae170 Configuration has end_item_system_designation of zero Product_configuration
- ae171 Configuration has end_item_system_designation of one Product_configuration
- ae172 Configuration has preparing_contracts of zero Contract
- ae173 Configuration has preparing_contracts of one Contract
- ae174 Configuration has preparing_contracts of many Contract objects
- ae175 Configuration has release_authorizations of zero Release_authentication
- ae176 Configuration has release_authorizations of one Release_authentication
- ae177 Configuration has release_authorizations of many Release_authentication objects
- ae178 Configuration has security_identifications of zero Security_classification
- ae179 Configuration has security_identifications of one Security_classification
- ae180 Configuration has security_identifications of many Security_classification objects
- ae181 Configuration is data_configuration for one
Header_configuration_with_element_identification
- ae182 Configuration is data_configuration for many
Header_configuration_with_element_identification objects
- ae183 Configuration is entry_configuration for one Indentured_data_list_entry
- ae184 Configuration is entry_configuration for many Indentured_data_list_entry objects
- ae185 Configuration is item_configuration for one Item
- ae186 Configuration is item_configuration for many Item objects
- ae187 Configuration is sheet_configuration for one Sheet
- ae188 Configuration is sheet_configuration for many Sheet objects

4.1.16 Contract

- ae189 Contract
- ae190 Contract with contract_number
- ae191 Contract with contract_data_requirements_list not present
- ae192 Contract with contract_data_requirements_list
- ae193 Contract with data_item_description_identification not present
- ae194 Contract with data_item_description_identification
- ae195 Contract is delivered_contract for one Contract_submission
- ae196 Contract is delivered_contract for many Contract_submission objects
- ae197 Contract is preparing_contracts for one Configuration
- ae198 Contract is preparing_contracts for many Configuration objects

4.1.17 Contract_submission

- ae199 Contract_submission
- ae200 Contract_submission with location

- ae201 Contract_submission has date_of_submission of one Date
- ae202 Contract_submission has delivered_contract of one Contract
- ae203 Contract_submission is available_from for one Data_definition_entry_item
- ae204 Contract_submission is available_from for many Data_definition_entry_item objects
- ae205 Contract_submission is available_from for one Data_definition_entry_tdp_element
- ae206 Contract_submission is available_from for many Data_definition_entry_tdp_element objects
- ae207 Contract_submission is available_from for one Data_list_entry
- ae208 Contract_submission is available_from for many Data_list_entry objects
- ae209 Contract_submission is available_from for one Indentured_data_list_entry
- ae210 Contract_submission is available_from for many Indentured_data_list_entry objects

4.1.18 Data_definition_entry_item

- ae211 Data_definition_entry_item
- ae212 Data_definition_entry_item with entry_item_change_level not present
- ae213 Data_definition_entry_item with entry_item_change_level of one element
- ae214 Data_definition_entry_item with entry_item_change_level of many elements
- ae215 Data_definition_entry_item has available_from of zero source_identification
- ae216 Data_definition_entry_item has available_from of one source_identification as Contract_submission
- ae217 Data_definition_entry_item has available_from of many source_identification as Contract_submission objects
- ae218 Data_definition_entry_item has available_from of one source_identification as Reference_document
- ae219 Data_definition_entry_item has available_from of many source_identification as Reference_document objects
- ae220 Data_definition_entry_item has delivery_accounting_references of zero Delivery_accounting
- ae221 Data_definition_entry_item has delivery_accounting_references of one Delivery_accounting
- ae222 Data_definition_entry_item has delivery_accounting_references of many Delivery_accounting objects
- ae223 Data_definition_entry_item has entry_files of zero data_definition_file_entry
- ae224 Data_definition_entry_item has entry_files of one data_definition_file_entry as Accessed_file
- ae225 Data_definition_entry_item has entry_files of many data_definition_file_entry as Accessed_file objects
- ae226 Data_definition_entry_item has entry_files of one data_definition_file_entry as Exchange_file
- ae227 Data_definition_entry_item has entry_files of many data_definition_file_entry as Exchange_file objects
- ae228 Data_definition_entry_item has entry_notes of zero Notation
- ae229 Data_definition_entry_item has entry_notes of one Notation
- ae230 Data_definition_entry_item has entry_notes of many Notation objects
- ae231 Data_definition_entry_item has special_conditions of zero Special_condition
- ae232 Data_definition_entry_item has special_conditions of one Special_condition
- ae233 Data_definition_entry_item has special_conditions of many Special_condition objects
- ae234 Data_definition_entry_item has superseded_entry of zero Element_identification
- ae235 Data_definition_entry_item has superseded_entry of one Element_identification
- ae236 Data_definition_entry_item has superseded_entry of many Element_identification objects
- ae237 Data_definition_entry_item is entry_characteristics for one Data_definition_indentured_entry
- ae238 Data_definition_entry_item is entry_characteristics for many Data_definition_indentured_entry objects

4.1.19 Data_definition_entry_tdp_element

- ae239 Data_definition_entry_tdp_element
- ae240 Data_definition_entry_tdp_element with actual_inclusion_in_data_exchange not present
- ae241 Data_definition_entry_tdp_element with actual_inclusion_in_data_exchange = already delivered
- ae242 Data_definition_entry_tdp_element with actual_inclusion_in_data_exchange = available for access
- ae243 Data_definition_entry_tdp_element with actual_inclusion_in_data_exchange = fully included
- ae244 Data_definition_entry_tdp_element with actual_inclusion_in_data_exchange = not deliverable
- ae245 Data_definition_entry_tdp_element with actual_inclusion_in_data_exchange = not delivered yet
- ae246 Data_definition_entry_tdp_element with actual_inclusion_in_data_exchange = not received
- ae247 Data_definition_entry_tdp_element with actual_inclusion_in_data_exchange = partially included
- ae248 Data_definition_entry_tdp_element with actual_inclusion_in_data_exchange = receipt accepted
- ae249 Data_definition_entry_tdp_element with actual_inclusion_in_data_exchange = receipt acknowledged
- ae250 Data_definition_entry_tdp_element with actual_inclusion_in_data_exchange = receipt partially rejected
- ae251 Data_definition_entry_tdp_element with actual_inclusion_in_data_exchange = receipt rejected
- ae252 Data_definition_entry_tdp_element with actual_inclusion_in_data_exchange = resubmission
- ae253 Data_definition_entry_tdp_element with data_usage_rights not present
- ae254 Data_definition_entry_tdp_element with data_usage_rights
- ae255 Data_definition_entry_tdp_element with entry_format not present
- ae256 Data_definition_entry_tdp_element with entry_format of one Text
- ae257 Data_definition_entry_tdp_element has entry_format of one entry_format_select as File_format
- ae258 Data_definition_entry_tdp_element with entry_item_change_level not present
- ae259 Data_definition_entry_tdp_element with entry_item_change_level of one element
- ae260 Data_definition_entry_tdp_element with entry_item_change_level of many elements
- ae261 Data_definition_entry_tdp_element with master_file not present
- ae262 Data_definition_entry_tdp_element with master_file = TRUE
- ae263 Data_definition_entry_tdp_element with master_file = FALSE
- ae264 Data_definition_entry_tdp_element with master_file = UNKNOWN
- ae265 Data_definition_entry_tdp_element has available_from of zero source_identification
- ae266 Data_definition_entry_tdp_element has available_from of one source_identification as Contract_submission
- ae267 Data_definition_entry_tdp_element has available_from of many source_identification as Contract_submission objects
- ae268 Data_definition_entry_tdp_element has available_from of one source_identification as Reference_document
- ae269 Data_definition_entry_tdp_element has available_from of many source_identification as Reference_document objects
- ae270 Data_definition_entry_tdp_element has delivery_accounting_references of zero Delivery_accounting

- ae271 Data_definition_entry_tdp_element has delivery_accounting_references of one Delivery_accounting
- ae272 Data_definition_entry_tdp_element has delivery_accounting_references of many Delivery_accounting objects
- ae273 Data_definition_entry_tdp_element has entry_files of zero data_definition_file_entry
- ae274 Data_definition_entry_tdp_element has entry_files of one data_definition_file_entry as Accessed_file
- ae275 Data_definition_entry_tdp_element has entry_files of many data_definition_file_entry as Accessed_file objects
- ae276 Data_definition_entry_tdp_element has entry_files of one data_definition_file_entry as Exchange_file
- ae277 Data_definition_entry_tdp_element has entry_files of many data_definition_file_entry as Exchange_file objects
- ae278 Data_definition_entry_tdp_element has entry_notes of zero Notation
- ae279 Data_definition_entry_tdp_element has entry_notes of one Notation
- ae280 Data_definition_entry_tdp_element has entry_notes of many Notation objects
- ae281 Data_definition_entry_tdp_element has size of zero Size_characteristics
- ae282 Data_definition_entry_tdp_element has size of one Size_characteristics
- ae283 Data_definition_entry_tdp_element has special_conditions of zero Special_condition
- ae284 Data_definition_entry_tdp_element has special_conditions of one Special_condition
- ae285 Data_definition_entry_tdp_element has special_conditions of many Special_condition objects
- ae286 Data_definition_entry_tdp_element has superseded_entry of zero Element_identification
- ae287 Data_definition_entry_tdp_element has superseded_entry of one Element_identification
- ae288 Data_definition_entry_tdp_element has superseded_entry of many Element_identification objects
- ae289 Data_definition_entry_tdp_element is entry for one Data_definition_exchange_simple_entry
- ae290 Data_definition_entry_tdp_element is entry for many Data_definition_exchange_simple_entry objects
- ae291 Data_definition_entry_tdp_element is entry_characteristics for one Data_definition_indentured_entry
- ae292 Data_definition_entry_tdp_element is entry_characteristics for many Data_definition_indentured_entry objects

4.1.20 Data_definition_exchange

- ae293 Data_definition_exchange
- ae294 Data_definition_exchange has list_body of one Data_definition_exchange_body
- ae295 Data_definition_exchange has list_header of one Data_definition_exchange_header
- ae296 Data_definition_exchange has presentation of zero List_presentation
- ae297 Data_definition_exchange has presentation of one List_presentation

4.1.21 Data_definition_exchange_body

- ae298 Data_definition_exchange_body
- ae299 Data_definition_exchange_body has list_method of one data_definition_exchange_list_method as Data_definition_indentured_list_method
- ae300 Data_definition_exchange_body has list_method of one data_definition_exchange_list_method as Simple_list_of_elements
- ae301 Data_definition_exchange_body has list_method of one data_definition_exchange_list_method as Simple_list_of_files

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- ae302 Data_definition_exchange_body has notes_list of zero Notation
- ae303 Data_definition_exchange_body has notes_list of one Notation
- ae304 Data_definition_exchange_body has notes_list of many Notation objects
- ae305 Data_definition_exchange_body has revision_history of zero Revision
- ae306 Data_definition_exchange_body has revision_history of one Revision
- ae307 Data_definition_exchange_body has revision_history of many Revision objects
- ae308 Data_definition_exchange_body is list_body for one Data_definition_exchange

4.1.22 Data_definition_exchange_header

- ae309 Data_definition_exchange_header
- ae310 Data_definition_exchange_header has common_header of one Header
- ae311 Data_definition_exchange_header has date_of_transfer of zero Date
- ae312 Data_definition_exchange_header has date_of_transfer of one Date
- ae313 Data_definition_exchange_header has delivery_accounting_references of zero Delivery_accounting
- ae314 Data_definition_exchange_header has delivery_accounting_references of one Delivery_accounting
- ae315 Data_definition_exchange_header has delivery_accounting_references of many Delivery_accounting objects
- ae316 Data_definition_exchange_header has destinations of zero System_destination
- ae317 Data_definition_exchange_header has destinations of one System_destination
- ae318 Data_definition_exchange_header has destinations of many System_destination objects
- ae319 Data_definition_exchange_header has exchange_reason of one Reason
- ae320 Data_definition_exchange_header has procurement_references of zero identification_select
- ae321 Data_definition_exchange_header has procurement_references of one identification_select as Element_identification
- ae322 Data_definition_exchange_header has procurement_references of many identification_select as Element_identification objects
- ae323 Data_definition_exchange_header has procurement_references of one identification_select as Item_identification
- ae324 Data_definition_exchange_header has procurement_references of many identification_select as Item_identification objects
- ae325 Data_definition_exchange_header is list_header for one Data_definition_exchange

4.1.23 Data_definition_exchange_simple_entry

- ae326 Data_definition_exchange_simple_entry
- ae327 Data_definition_exchange_simple_entry has entry of one Data_definition_entry_tdp_element
- ae328 Data_definition_exchange_simple_entry has simple_entry of one Element_identification
- ae329 Data_definition_exchange_simple_entry is element_entries for one Simple_list_of_elements
- ae330 Data_definition_exchange_simple_entry is element_entries for many Simple_list_of_elements objects

4.1.24 Data_definition_indentured_entry

- ae331 Data_definition_indentured_entry
- ae332 Data_definition_indentured_entry with indenture_level not present
- ae333 Data_definition_indentured_entry with indenture_level
- ae334 Data_definition_indentured_entry has effective_on of zero Effectivity

- ae335 Data_definition_indentured_entry has effective_on of one Effectivity
- ae336 Data_definition_indentured_entry has entry_characteristics of one Data_definition_entry_item
- ae337 Data_definition_indentured_entry has entry_characteristics of one Data_definition_entry_tdp_element
- ae338 Data_definition_indentured_entry has indentured_entry of one list_entry_select as Item_parent_to_item_child_relationship
- ae339 Data_definition_indentured_entry has indentured_entry of one list_entry_select as Item_parent_to_tdp_element_child_relationship
- ae340 Data_definition_indentured_entry has indentured_entry of one list_entry_select as Tdp_element_parent_to_item_child_relationship
- ae341 Data_definition_indentured_entry has indentured_entry of one list_entry_select as Tdp_element_parent_to_tdp_element_child_relationship
- ae342 Data_definition_indentured_entry has indentured_entry of one Tdp_indentured_item
- ae343 Data_definition_indentured_entry has indentured_entry of one Tdp_indentured_tdp_element
- ae344 Data_definition_indentured_entry is order_of for one Data_definition_indentured_list_method
- ae345 Data_definition_indentured_entry is order_of for many Data_definition_indentured_list_method objects

4.1.25 Data_definition_indentured_list_method

- ae346 Data_definition_indentured_list_method
- ae347 Data_definition_indentured_list_method has method_of_entry_tabulation of one Indentured_list_by_document
- ae348 Data_definition_indentured_list_method has method_of_entry_tabulation of one Indentured_list_by_part
- ae349 Data_definition_indentured_list_method has method_of_entry_tabulation of one Indentured_list_by_part_with_document_references_to_parts
- ae350 Data_definition_indentured_list_method has order_of of one Data_definition_indentured_entry
- ae351 Data_definition_indentured_list_method has order_of of many Data_definition_indentured_entry objects
- ae352 Data_definition_indentured_list_method is list_method for one Data_definition_exchange_body
- ae353 Data_definition_indentured_list_method is list_method for many Data_definition_exchange_body objects

4.1.26 Data_list

- ae354 Data_list
- ae355 Data_list has body of one Data_list_body
- ae356 Data_list has list_header of one Data_list_header

4.1.27 Data_list_body

- ae357 Data_list_body
- ae358 Data_list_body has data_list_notes of zero Notation
- ae359 Data_list_body has data_list_notes of one Notation
- ae360 Data_list_body has data_list_notes of many Notation objects

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- ae361 Data_list_body has data_list_tabulations of one Data_list_tabulation
- ae362 Data_list_body has data_list_tabulations of many Data_list_tabulation objects
- ae363 Data_list_body has revision_history of zero Revision
- ae364 Data_list_body has revision_history of one Revision
- ae365 Data_list_body has revision_history of many Revision objects
- ae366 Data_list_body is body for one Data_list

4.1.28 Data_list_entry

- ae367 Data_list_entry
- ae368 Data_list_entry with entry_item_change_level not present
- ae369 Data_list_entry with entry_item_change_level
- ae370 Data_list_entry has available_from of zero source_identification
- ae371 Data_list_entry has available_from of one source_identification as Contact_submission
- ae372 Data_list_entry has available_from of many source_identification as Contact_submission objects
- ae373 Data_list_entry has available_from of one source_identification as Reference_document
- ae374 Data_list_entry has available_from of many source_identification as Reference_document objects
- ae375 Data_list_entry has entry_notes of zero Notation
- ae376 Data_list_entry has entry_notes of one Notation
- ae377 Data_list_entry has entry_notes of many Notation objects
- ae378 Data_list_entry has list_entry of one valid_tdp_elements_for_data_list as Header
- ae379 Data_list_entry has list_entry of one valid_tdp_elements_for_data_list as Reference_document
- ae380 Data_list_entry has list_entry of one valid_tdp_elements_for_data_list as Sheet
- ae381 Data_list_entry has special_conditions of zero Special_condition
- ae382 Data_list_entry has special_conditions of one Special_condition
- ae383 Data_list_entry has special_conditions of many Special_condition objects
- ae384 Data_list_entry is data_list_entries for one Data_list_tabulation
- ae385 Data_list_entry is data_list_entries for many Data_list_tabulation objects

4.1.29 Data_list_header

- ae386 Data_list_header
- ae387 Data_list_header has common_header of one Header
- ae388 Data_list_header is list_header for one Data_list

4.1.30 Data_list_tabulation

- ae389 Data_list_tabulation
- ae390 Data_list_tabulation has data_list_entries of zero Data_list_entry
- ae391 Data_list_tabulation has data_list_entries of one Data_list_entry
- ae392 Data_list_tabulation has data_list_entries of many Data_list_entry objects
- ae393 Data_list_tabulation has for_item of zero Item_identification
- ae394 Data_list_tabulation has for_item of one Item_identification
- ae395 Data_list_tabulation is data_list_tabulations for one Data_list_body
- ae396 Data_list_tabulation is data_list_tabulations for many Data_list_body objects

4.1.31 Date

- ae397 Date
- ae398 Date with day not present
- ae399 Date with day
- ae400 Date with month not present
- ae401 Date with month
- ae402 Date with week not present
- ae403 Date with week
- ae404 Date with year
- ae405 Date has specific_time of zero Time
- ae406 Date has specific_time of one Time
- ae407 Date is approval_date for one Approval
- ae408 Date is approval_date for many Approval objects
- ae409 Date is change_date for one Change_identification
- ae410 Date is change_date for many Change_identification objects
- ae411 Date is classification_date for one Security_classification
- ae412 Date is classification_date for many Security_classification objects
- ae413 Date is date_of_submission for one Contract_submission
- ae414 Date is date_of_submission for many Contract_submission objects
- ae415 Date is declassification_date for one Security_classification
- ae416 Date is declassification_date for many Security_classification objects
- ae417 Date is end_date for one Date_effectivity
- ae418 Date is end_date for many Date_effectivity objects
- ae419 Date is issue_date for one Change_identification
- ae420 Date is issue_date for many Change_identification objects
- ae421 Date is release_date for one File_format
- ae422 Date is release_date for many File_format objects
- ae423 Date is release_date for one Release_authentication
- ae424 Date is release_date for many Release_authentication objects
- ae425 Date is revision_date for one Change_identification
- ae426 Date is revision_date for many Change_identification objects
- ae427 Date is revision_date for one Revision
- ae428 Date is revision_date for many Revision objects
- ae429 Date is start_date for one Date_effectivity
- ae430 Date is start_date for many Date_effectivity objects

4.1.32 Date_effectivity

- ae431 Date_effectivity
- ae432 Date_effectivity has end_date of zero Date
- ae433 Date_effectivity has end_date of one Date
- ae434 Date_effectivity has start_date of one Date

4.1.33 Delivery_accounting

- ae435 Delivery_accounting
- ae436 Delivery_accounting with reference_identification
- ae437 Delivery_accounting with reference_identification_description
- ae438 Delivery_accounting is delivery_accounting_references for one Data_definition_entry_item

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- ae439 Delivery_accounting is delivery_accounting_references for many Data_definition_entry_item objects
- ae440 Delivery_accounting is delivery_accounting_references for one Data_definition_entry_tdp_element
- ae441 Delivery_accounting is delivery_accounting_references for many Data_definition_entry_tdp_element objects
- ae442 Delivery_accounting is delivery_accounting_references for one Data_definition_exchange_header
- ae443 Delivery_accounting is delivery_accounting_references for many Data_definition_exchange_header objects

4.1.34 Design_authority

- ae444 Design_authority
- ae4441 Design_authority with role not present
- ae4442 Design_authority with role
- ae445 Design_authority has design_activity_identification of one Company
- ae446 Design_authority has design_activity_code of zero Company_code
- ae447 Design_authority has design_activity_code of one Company_code
- ae448 Design_authority has person_responsible of zero Person
- ae449 Design_authority has person_responsible of one Person
- ae450 Design_authority is design_activity for one Alternate_element_identification
- ae451 Design_authority is design_activity for many Alternate_element_identification objects
- ae452 Design_authority is design_activity for one Alternate_identification_of_item
- ae453 Design_authority is design_activity for many Alternate_identification_of_item objects
- ae454 Design_authority is design_activity for one Element_identification
- ae455 Design_authority is design_activity for many Element_identification objects
- ae456 Design_authority is design_activity for one Item_identification
- ae457 Design_authority is design_activity for many Item_identification objects

4.1.35 Distribution_notice

- ae458 Distribution_notice
- ae459 Distribution_notice with distribution_code not present
- ae460 Distribution_notice with distribution_code
- ae461 Distribution_notice with distribution_statement not present
- ae462 Distribution_notice with distribution_statement
- ae463 Distribution_notice has distribution_authority of zero Person_and_organization
- ae464 Distribution_notice has distribution_authority of one Person_and_organization
- ae465 Distribution_notice is distribution_authorizations for one Configuration
- ae466 Distribution_notice is distribution_authorizations for many Configuration objects
- ae467 Distribution_notice is distribution_authorizations for one File
- ae468 Distribution_notice is distribution_authorizations for many File objects

4.1.36 Document_list

- ae469 Document_list as Indentured_data_list
- ae470 Document_list as Single_document_list

4.1.37 Document_usage_parameter

- ae471 Document_usage_parameter
- ae472 Document_usage_parameter with subject
- ae473 Document_usage_parameter with value
- ae474 Document_usage_parameter is usage_parameter for one Reference_document_usage
- ae475 Document_usage_parameter is usage_parameter for many Reference_document_usage objects

4.1.38 Drawing

- ae476 Drawing
- ae477 Drawing has heading of one Header
- ae478 Drawing has pages of one Sheet
- ae479 Drawing has pages of many Sheet objects
- ae480 Drawing is related for one Product_data_set
- ae481 Drawing is related for many Product_data_set objects

4.1.39 Drawing_suffix_number_combination

- ae482 Drawing_suffix_number_combination
- ae483 Drawing_suffix_number_combination with suffix_identifier
- ae484 Drawing_suffix_number_combination has drawing_number of one Element_identification
- ae485 Drawing_suffix_number_combination is identifying_number for one Alternate_identification_of_item
- ae486 Drawing_suffix_number_combination is identifying_number for many Alternate_identification_of_item objects
- ae487 Drawing_suffix_number_combination is identifying_number for one Item_identification
- ae488 Drawing_suffix_number_combination is identifying_number for many Item_identification objects

4.1.40 Effectivity

- ae489 Effectivity
- ae490 Effectivity as Date_effectivity
- ae491 Effectivity as Lot_effectivity
- ae492 Effectivity as Sequence_effectivity
- ae493 Effectivity with description not present
- ae494 Effectivity with description
- ae495 Effectivity has effectivity_approvals of zero Approval
- ae496 Effectivity has effectivity_approvals of one Approval
- ae497 Effectivity has effectivity_approvals of many Approval objects
- ae498 Effectivity has product of one Product_configuration
- ae499 Effectivity is effective_on for one Indentured_data_list_entry
- ae500 Effectivity is effective_on for many Indentured_data_list_entry objects
- ae501 Effectivity is effective_on for one Item_usage
- ae502 Effectivity is effective_on for many Item_usage objects

4.1.41 Element_identification

- ae503 Element_identification
- ae504 Element_identification with identifying_number
- ae505 Element_identification with title not present
- ae506 Element_identification with title
- ae5061 Element_identification has alternate_identifications of zero Alternate_element_identification
- ae5062 Element_identification has alternate_identifications of one Alternate_element_identification
- ae5063 Element_identification has alternate_identifications of many Alternate_element_identification objects
- ae507 Element_identification has change_status of zero Change_identification
- ae508 Element_identification has change_status of one Change_identification
- ae509 Element_identification has design_activities of one Design_authority
- ae5091 Element_identification has design_activities of many Design_authority objects
- ae510 Element_identification has element_classifications of zero Element_type
- ae511 Element_identification has element_classifications of one Element_type
- ae512 Element_identification has element_classifications of many Element_type objects
- ae513 Element_identification has outstanding_changes of zero Other_reference_document
- ae514 Element_identification has outstanding_changes of one Other_reference_document
- ae515 Element_identification has outstanding_changes of many Other_reference_document objects
- ae516 Element_identification is child for one Item_parent_to_tdp_element_child_relationship
- ae517 Element_identification is child for many Item_parent_to_tdp_element_child_relationship objects
- ae518 Element_identification is child for one
Tdp_element_parent_to_tdp_element_child_relationship
- ae519 Element_identification is child for many
Tdp_element_parent_to_tdp_element_child_relationship objects
- ae520 Element_identification is document_identification for one Reference_document
- ae521 Element_identification is document_identification for many Reference_document objects
- ae522 Element_identification is drawing_number for one Drawing_suffix_number_combination
- ae523 Element_identification is drawing_number for many Drawing_suffix_number_combination objects
- ae524 Element_identification is drawing_number for one Item_list_drawing
- ae525 Element_identification is drawing_number for many Item_list_drawing objects
- ae526 Element_identification is identification for one
Header_configuration_with_element_identification
- ae527 Element_identification is identification for many
Header_configuration_with_element_identification objects
- ae528 Element_identification is parent for one Tdp_element_parent_to_item_child_relationship
- ae529 Element_identification is parent for many Tdp_element_parent_to_item_child_relationship objects
- ae530 Element_identification is parent for one
Tdp_element_parent_to_tdp_element_child_relationship
- ae531 Element_identification is parent for many
Tdp_element_parent_to_tdp_element_child_relationship objects
- ae532 Element_identification is procurement_references for one Data_definition_exchange_header
- ae533 Element_identification is procurement_references for many
Data_definition_exchange_header objects
- ae534 Element_identification is procurement_references for one Indentured_data_list_header

- ae535 Element_identification is procurement_references for many Indentured_data_list_header objects
- ae536 Element_identification is referenced_document_in_note for one Notation
- ae537 Element_identification is referenced_document_in_note for many Notation objects
- ae538 Element_identification is sheet_identifier for one Sheet
- ae539 Element_identification is sheet_identifier for many Sheet objects
- ae540 Element_identification is simple_entry for one Data_definition_exchange_simple_entry
- ae541 Element_identification is simple_entry for many Data_definition_exchange_simple_entry objects
- ae542 Element_identification is standardization_documents_list for one Indentured_data_list_body
- ae543 Element_identification is standardization_documents_list for many Indentured_data_list_body objects
- ae544 Element_identification is superseded_entry for one Indentured_data_list_entry
- ae545 Element_identification is superseded_entry for many Indentured_data_list_entry objects
- ae546 Element_identification is tdp_element_item for one Tdp_element_list_item
- ae547 Element_identification is tdp_element_item for many Tdp_element_list_item objects
- ae548 Element_identification is tdp_indenture for one Tdp_indentured_tdp_element
- ae549 Element_identification is tdp_indenture for many Tdp_indentured_tdp_element objects

4.1.42 Element_type

- ae550 Element_type
- ae551 Element_type with element_code
- ae552 Element_type with type_of_coding_scheme not present
- ae553 Element_type with type_of_coding_scheme
- ae554 Element_type has code_administrator of zero Company
- ae555 Element_type has code_administrator of one Company
- ae556 Element_type is element_classifications for one Alternate_element_identification
- ae557 Element_type is element_classifications for many Alternate_element_identification objects
- ae558 Element_type is element_classifications for one Element_identification
- ae559 Element_type is element_classifications for many Element_identification objects

4.1.43 Exchange_file

- ae560 Exchange_file
- ae561 Exchange_file with included_in_exchange = already delivered
- ae562 Exchange_file with included_in_exchange = available for access
- ae563 Exchange_file with included_in_exchange = fully included
- ae564 Exchange_file with included_in_exchange = not deliverable
- ae565 Exchange_file with included_in_exchange = not delivered yet
- ae566 Exchange_file with included_in_exchange = not received
- ae567 Exchange_file with included_in_exchange = partially included
- ae568 Exchange_file with included_in_exchange = receipt accepted
- ae569 Exchange_file with included_in_exchange = receipt acknowledged
- ae570 Exchange_file with included_in_exchange = receipt partially rejected
- ae571 Exchange_file with included_in_exchange = receipt rejected
- ae572 Exchange_file with included_in_exchange = resubmission
- ae573 Exchange_file has destination_system of zero System_declaration
- ae574 Exchange_file has destination_system of one System_declaration
- ae575 Exchange_file is entry_files for one Data_definition_entry_item

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- ae576 Exchange_file is entry_files for many Data_definition_entry_item objects
- ae577 Exchange_file is entry_files for one Data_definition_entry_tdp_element
- ae578 Exchange_file is entry_files for many Data_definition_entry_tdp_element objects
- ae579 Exchange_file is file_entries for one Simple_list_of_files
- ae580 Exchange_file is file_entries for many Simple_list_of_files objects

4.1.44 Explicit_graphics

- ae581 Explicit_graphics
- ae582 Explicit_graphics has table_geometry of one Geometry
- ae583 Explicit_graphics is graphics_declaration for one Page_parameters
- ae584 Explicit_graphics is graphics_declaration for many Page_parameters objects

4.1.45 External_graphics_file

- ae585 External_graphics_file
- ae586 External_graphics_file with file_loadpoint_x
- ae587 External_graphics_file with file_loadpoint_y
- ae588 External_graphics_file has file_id of one File
- ae589 External_graphics_file is graphics_declaration for one Page_parameters
- ae590 External_graphics_file is graphics_declaration for many Page_parameters objects

4.1.46 Field_content_holder

- ae591 Field_content_holder as Field_content_holder_singular
- ae592 Field_content_holder as Field_content_holder_tabulation
- ae593 Field_content_holder with field_justification
- ae594 Field_content_holder with text_style
- ae595 Field_content_holder has location of one Field_location

4.1.47 Field_content_holder_singular

- ae596 Field_content_holder_singular
- ae597 Field_content_holder_singular with field_text
- ae598 Field_content_holder_singular is single_block_content_presentation for one Header_block
- ae599 Field_content_holder_singular is single_block_content_presentation for many Header_block objects

4.1.48 Field_content_holder_tabulation

- ae600 Field_content_holder_tabulation
- ae601 Field_content_holder_tabulation with one field_text
- ae602 Field_content_holder_tabulation with many field_text elements
- ae603 Field_content_holder_tabulation is group_parent_content_presentation for one Group_parent_content_holder
- ae604 Field_content_holder_tabulation is group_parent_content_presentation for many Group_parent_content_holder objects

4.1.49 Field_location

- ae605 Field_location
- ae606 Field_location is location for one Field_content_holder
- ae607 Field_location is location for many Field_content_holder objects
- ae608 Field_location is location for one Field_title
- ae609 Field_location is location for many Field_title objects

4.1.50 Field_location_definition

- ae610 Field_location_definition
- ae611 Field_location_definition has field_load_point of one Load_point

4.1.51 Field_title

- ae612 Field_title
- ae613 Field_title with field_justification
- ae614 Field_title with field_style
- ae615 Field_title with field_text
- ae616 Field_title has location of one Field_location
- ae617 Field_title is single_block_titles for one Header_block
- ae618 Field_title is single_block_titles for many Header_block objects
- ae619 Field_title is single_column_header_titles for one Column_header
- ae620 Field_title is single_column_header_titles for many Column_header objects
- ae621 Field_title is single_group_parent_column_header_titles for one Group_parent_column_header
- ae622 Field_title is single_group_parent_column_header_titles for many Group_parent_column_header objects
- ae623 Field_title is single_group_parent_header_titles for one Group_parent_header
- ae624 Field_title is single_group_parent_header_titles for many Group_parent_header objects
- ae625 Field_title is single_tabulation_header_titles for one Tabulation_header
- ae626 Field_title is single_tabulation_header_titles for many Tabulation_header objects

4.1.52 File

- ae627 File
- ae628 File as Accessed_file
- ae629 File as Exchange_file
- ae630 File as Source_file
- ae631 File with context_file_name not present
- ae632 File with context_file_name
- ae633 File with native_format_file_name not present
- ae634 File with native_format_file_name
- ae635 File has change_status of zero Change_identification
- ae636 File has change_status of one Change_identification
- ae637 File has context_file_format of zero File_format
- ae638 File has context_file_format of one File_format
- ae639 File has distribution_authorizations of zero Distribution_notice
- ae640 File has distribution_authorizations of one Distribution_notice
- ae641 File has distribution_authorizations of many Distribution_notice objects

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- ae642 File has security_identifications of zero Security_classification
- ae643 File has security_identifications of one Security_classification
- ae644 File has security_identifications of many Security_classification objects
- ae645 File has size of zero Size_characteristics
- ae646 File has size of one Size_characteristics
- ae647 File has source_system of zero System_declaration
- ae648 File has source_system of one System_declaration
- ae649 File is file_id for one External_graphics_file
- ae650 File is file_id for many External_graphics_file objects

4.1.53 File_format

- ae651 File_format
- ae652 File_format with change_level not present
- ae653 File_format with change_level
- ae654 File_format with format_code not present
- ae655 File_format with format_code
- ae656 File_format with format_standard not present
- ae657 File_format with format_standard
- ae658 File_format with revision_level not present
- ae659 File_format with revision_level
- ae660 File_format has release_date of zero Date
- ae661 File_format has release_date of one Date
- ae662 File_format is context_file_format for one File
- ae663 File_format is context_file_format for many File objects
- ae664 File_format is entry_format for one Data_definition_entry_tdp_element
- ae665 File_format is entry_format for many Data_definition_entry_tdp_element objects

4.1.54 Foreign_defined_item

- ae666 Foreign_defined_item

4.1.55 Geometry

- ae667 Geometry
- ae668 Geometry is annotation_geometry for one Annotation
- ae669 Geometry is annotation_geometry for many Annotation objects
- ae670 Geometry is table_geometry for one Explicit_graphics
- ae671 Geometry is table_geometry for many Explicit_graphics objects
- ae672 Geometry is part_shape_representation for one Shape_model
- ae673 Geometry is part_shape_representation for many Shape_model objects

4.1.56 Group_parent_column_header

- ae674 Group_parent_column_header
- ae675 Group_parent_column_header has single_group_parent_column_header_titles of one Field_title
- ae676 Group_parent_column_header has single_group_parent_column_header_titles of many Field_title objects
- ae677 Group_parent_column_header is tabulation_group_parent_headings for one Tabulation

ae678 Group_parent_column_header is tabulation_group_parent_headings for many Tabulation objects

4.1.57 Group_parent_content_holder

ae679 Group_parent_content_holder
 ae680 Group_parent_content_holder has group_parent_content_presentation of one Field_content_holder_tabulation
 ae681 Group_parent_content_holder is parent_columns for one Tabulation
 ae682 Group_parent_content_holder is parent_columns for many Tabulation objects

4.1.58 Group_parent_header

ae683 Group_parent_header
 ae684 Group_parent_header has single_group_parent_header_titles of one Field_title
 ae685 Group_parent_header has single_group_parent_header_titles of many Field_title objects
 ae686 Group_parent_header is group_parent_headings for one Tabulation
 ae687 Group_parent_header is group_parent_headings for many Tabulation objects

4.1.59 Header

ae688 Header
 ae689 Header with document_abstract not present
 ae690 Header with document_abstract
 ae691 Header with document_keywords not present
 ae692 Header with document_keywords of one element
 ae693 Header with document_keywords of many elements
 ae694 Header with languages not present
 ae695 Header with languages of one element
 ae696 Header with languages of many elements
 ae697 Header with sheet_count not present
 ae698 Header with sheet_count
 ae699 Header has header_configuration of one Header_configuration_with_element_identification
 ae700 Header has size_of_sheet of zero Size_characteristics_full_size
 ae701 Header has size_of_sheet of one Size_characteristics_full_size
 ae702 Header is common_header for one Data_definition_exchange_header
 ae703 Header is common_header for one Data_list_header
 ae704 Header is common_header for one Indentured_data_list_header
 ae705 Header is common_header for one Parts_list_header
 ae706 Header is heading for one Drawing
 ae707 Header is list_entry for one Data_list_entry
 ae708 Header is list_entry for many Data_list_entry objects
 ae709 Header is list_entry for one Index_list_entry
 ae710 Header is list_entry for many Index_list_entry objects
 ae711 Header is product_header for one Product_data_set_with_format

4.1.60 Header_block

ae712 Header_block
 ae713 Header_block has single_block_content_presentation of zero Field_content_holder_singular

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- ae714 Header_block has single_block_content_presentation of one Field_content_holder_singular
- ae715 Header_block has single_block_content_presentation of many Field_content_holder_singular objects
- ae716 Header_block has single_block_titles of zero Field_title
- ae717 Header_block has single_block_titles of one Field_title
- ae718 Header_block has single_block_titles of many Field_title objects
- ae719 Header_block is header_blocks_presentation for one Header_presentation
- ae720 Header_block is header_blocks_presentation for many Header_presentation objects

4.1.61 Header_configuration_with_element_identification

- ae721 Header_configuration_with_element_identification
- ae7220 Header_configuration_with_element_identification has data_configuration of zero Configuration
- ae722 Header_configuration_with_element_identification has data_configuration of one Configuration
- ae723 Header_configuration_with_element_identification has identification of one Element_identification
- ae724 Header_configuration_with_element_identification is data_configuration for one Product_data_set_with_shading
- ae725 Header_configuration_with_element_identification is data_configuration for one Product_data_set_without_format
- ae726 Header_configuration_with_element_identification is header_configuration for one Header

4.1.62 Header_presentation

- ae727 Header_presentation
- ae728 Header_presentation has header_blocks_presentation of one Header_block
- ae729 Header_presentation has header_blocks_presentation of many Header_block objects
- ae730 Header_presentation has header_tabulation_presentation of zero Tabulation
- ae731 Header_presentation has header_tabulation_presentation of one Tabulation
- ae732 Header_presentation has header_tabulation_presentation of many Tabulation objects
- ae733 Header_presentation is header_page1_format for one List_presentation
- ae734 Header_presentation is header_page1_format for many List_presentation objects
- ae735 Header_presentation is header_pagen_format for one List_presentation
- ae736 Header_presentation is header_pagen_format for many List_presentation objects

4.1.63 Indentured_data_list

- ae737 Indentured_data_list
- ae738 Indentured_data_list has body of one Indentured_data_list_body
- ae739 Indentured_data_list has header of one Indentured_data_list_header

4.1.64 Indentured_data_list_body

- ae740 Indentured_data_list_body
- ae741 Indentured_data_list_body has indentured_tabulation of one Indentured_data_list_tabulation
- ae742 Indentured_data_list_body has notes_list of zero Notation
- ae743 Indentured_data_list_body has notes_list of one Notation
- ae744 Indentured_data_list_body has notes_list of many Notation objects

- ae745 Indentured_data_list_body has revision_history of zero Revision
- ae746 Indentured_data_list_body has revision_history of one Revision
- ae747 Indentured_data_list_body has revision_history of many Revision objects
- ae748 Indentured_data_list_body has standardization_documents_list of zero Element_identification
- ae749 Indentured_data_list_body has standardization_documents_list of one Element_identification
- ae750 Indentured_data_list_body has standardization_documents_list of many Element_identification objects
- ae751 Indentured_data_list_body is body for one Indentured_data_list

4.1.65 Indentured_data_list_entry

- ae752 Indentured_data_list_entry
- ae753 Indentured_data_list_entry with entry_item_change_level not present
- ae754 Indentured_data_list_entry with entry_item_change_level
- ae755 Indentured_data_list_entry with indenture_level not present
- ae756 Indentured_data_list_entry with indenture_level
- ae757 Indentured_data_list_entry has available_from of zero source_identification
- ae758 Indentured_data_list_entry has available_from of one source_identification as Contract_submission
- ae759 Indentured_data_list_entry has available_from of many source_identification as Contract_submission objects
- ae760 Indentured_data_list_entry has available_from of one source_identification as Reference_document
- ae761 Indentured_data_list_entry has available_from of many source_identification as Reference_document objects
- ae762 Indentured_data_list_entry has effective_on of zero Effectivity
- ae763 Indentured_data_list_entry has effective_on of one Effectivity
- ae764 Indentured_data_list_entry has entry of one list_entry_select as Item_parent_to_item_child_relationship
- ae765 Indentured_data_list_entry has entry of one list_entry_select as Item_parent_to_tdp_element_child_relationship
- ae766 Indentured_data_list_entry has entry of one list_entry_select as Tdp_element_parent_to_item_child_relationship
- ae767 Indentured_data_list_entry has entry of one list_entry_select as Tdp_element_parent_to_tdp_element_child_relationship
- ae7671 Indentured_data_list_entry has entry of one list_entry_select as Tdp_indentured_item
- ae7672 Indentured_data_list_entry has entry of one list_entry_select as Tdp_indentured_tdp_element
- ae768 Indentured_data_list_entry has entry_configuration of zero Configuration
- ae769 Indentured_data_list_entry has entry_configuration of one Configuration
- ae770 Indentured_data_list_entry has entry_notes of zero Notation
- ae771 Indentured_data_list_entry has entry_notes of one Notation
- ae772 Indentured_data_list_entry has entry_notes of many Notation objects
- ae7721 Indentured_data_list_entry has retrofit of zero Retrofit_usage
- ae7722 Indentured_data_list_entry has retrofit of one Retrofit_usage
- ae773 Indentured_data_list_entry has special_conditions of zero Special_condition
- ae774 Indentured_data_list_entry has special_conditions of one Special_condition
- ae775 Indentured_data_list_entry has special_conditions of many Special_condition objects
- ae776 Indentured_data_list_entry has superseded_entry of zero Element_identification
- ae777 Indentured_data_list_entry has superseded_entry of one Element_identification
- ae778 Indentured_data_list_entry is tabulation_of_entries for one Indentured_data_list_tabulation

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ae779 Indentured_data_list_entry is tabulation_of_entries for many Indentured_data_list_tabulation objects

4.1.66 Indentured_data_list_header

ae780 Indentured_data_list_header

ae781 Indentured_data_list_header has common_header of one Header

ae782 Indentured_data_list_header has procurement_references of zero identification_select

ae783 Indentured_data_list_header has procurement_references of one identification_select as Element_identification

ae784 Indentured_data_list_header has procurement_references of many identification_select as Element_identification objects

ae785 Indentured_data_list_header has procurement_references of one identification_select as Item_identification

ae786 Indentured_data_list_header has procurement_references of many identification_select as Item_identification objects

ae787 Indentured_data_list_header is header for one Indentured_data_list

4.1.67 Indentured_data_list_tabulation

ae788 Indentured_data_list_tabulation

ae789 Indentured_data_list_tabulation has method_of_entry_tabulation of one indentured_list_method as Indentured_list_by_document

ae790 Indentured_data_list_tabulation has method_of_entry_tabulation of one indentured_list_method as Indentured_list_by_part

ae791 Indentured_data_list_tabulation has method_of_entry_tabulation of one indentured_list_method as Indentured_list_by_part_with_document_references_to_parts

ae792 Indentured_data_list_tabulation has tabulation_of_entries of one Indentured_data_list_entry

ae793 Indentured_data_list_tabulation has tabulation_of_entries of many Indentured_data_list_entry objects

ae794 Indentured_data_list_tabulation is indentured_tabulation for one Indentured_data_list_body

4.1.68 Indentured_list_by_document

ae795 Indentured_list_by_document

ae796 Indentured_list_by_document has tdp_indentured_tdp_elements of one Tdp_indentured_tdp_element

ae797 Indentured_list_by_document has tdp_indentured_tdp_elements of many Tdp_indentured_tdp_element objects

ae798 Indentured_list_by_document is method_of_entry_tabulation for one Indentured_data_list_tabulation

ae799 Indentured_list_by_document is method_of_entry_tabulation for many Indentured_data_list_tabulation objects

4.1.69 Indentured_list_by_part

ae800 Indentured_list_by_part

ae801 Indentured_list_by_part has tdp_indentured_items of one Tdp_indentured_item

ae802 Indentured_list_by_part has tdp_indentured_items of many Tdp_indentured_item objects

- ae803 Indentured_list_by_part is method_of_entry_tabulation for one Indentured_data_list_tabulation
- ae804 Indentured_list_by_part is method_of_entry_tabulation for many Indentured_data_list_tabulation objects

4.1.70 Indentured_list_by_part_with_document_references_to_parts

- ae805 Indentured_list_by_part_with_document_references_to_parts
- ae806 Indentured_list_by_part_with_document_references_to_parts has tdp_indentured of one item_or_element as Tdp_indentured_item
- ae807 Indentured_list_by_part_with_document_references_to_parts has tdp_indentured of many item_or_element as Tdp_indentured_item objects
- ae808 Indentured_list_by_part_with_document_references_to_parts has tdp_indentured of one item_or_element as Tdp_indentured_tdp_element
- ae809 Indentured_list_by_part_with_document_references_to_parts has tdp_indentured of many item_or_element as Tdp_indentured_tdp_element objects
- ae810 Indentured_list_by_part_with_document_references_to_parts is method_of_entry_tabulation for one Indentured_data_list_tabulation
- ae811 Indentured_list_by_part_with_document_references_to_parts is method_of_entry_tabulation for many Indentured_data_list_tabulation objects

4.1.71 Index_list

- ae812 Index_list
- ae813 Index_list has body of one Index_list_body
- ae814 Index_list has list_header of one Index_list_header

4.1.72 Index_list_body

- ae815 Index_list_body
- ae816 Index_list_body has index_list_entries of one Index_list_entry
- ae817 Index_list_body has index_list_entries of many Index_list_entry objects
- ae818 Index_list_body has list_notes of zero Notation
- ae819 Index_list_body has list_notes of one Notation
- ae820 Index_list_body has list_notes of many Notation objects
- ae821 Index_list_body has revision_history of zero Revision
- ae822 Index_list_body has revision_history of one Revision
- ae823 Index_list_body has revision_history of many Revision objects
- ae824 Index_list_body is body for one Index_list

4.1.73 Index_list_entry

- ae825 Index_list_entry
- ae826 Index_list_entry with entry_item_change_level not present
- ae827 Index_list_entry with entry_item_change_level
- ae828 Index_list_entry has entry_notes of zero Notation
- ae829 Index_list_entry has entry_notes of one Notation
- ae830 Index_list_entry has entry_notes of many Notation objects
- ae831 Index_list_entry has list_entry of one Header
- ae832 Index_list_entry is index_list_entries for one Index_list_body

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ae833 Index_list_entry is index_list_entries for many Index_list_body objects

4.1.74 Index_list_header

ae834 Index_list_header

ae835 Index_list_header has common_header of one Header

ae836 Index_list_header is list_header for one Index_list

4.1.75 Item

ae837 Item

ae838 Item with item_contexts not present

ae839 Item with item_contexts of one Label

ae840 Item with item_contexts of many Label elements

ae841 Item has alternates of zero Alternate_item

ae842 Item has alternates of one Alternate_item

ae843 Item has alternates of many Alternate_item objects

ae844 Item has conditions_defined_through_constrained_document of zero Reference_document_usage

ae845 Item has conditions_defined_through_constrained_document of one Reference_document_usage

ae846 Item has conditions_defined_through_constrained_document of many Reference_document_usage objects

ae847 Item has conditions_defined_through_simple_reference of zero Reference_document

ae848 Item has conditions_defined_through_simple_reference of one Reference_document

ae849 Item has conditions_defined_through_simple_reference of many Reference_document objects

ae850 Item has identification of one Item_identification

ae851 Item has item_configuration of zero Configuration

ae852 Item has item_configuration of one Configuration

ae853 Item has item_weight of zero Weight

ae854 Item has item_weight of one Weight

ae855 Item has notes of zero Notation

ae856 Item has notes of one Notation

ae857 Item has notes of many Notation objects

ae858 Item has special_conditions of zero Special_condition

ae859 Item has special_conditions of one Special_condition

ae860 Item has special_conditions of many Special_condition objects

ae861 Item is being_defined_for for one Item_usage

ae862 Item is being_defined_for for many Item_usage objects

ae8621 Item is interchange_item for one Alternate_item

ae8622 Item is interchange_item for many Alternate_item objects

ae863 Item is item_that_is_acting_as_stock for one Make_from_an_item

ae864 Item is item_that_is_acting_as_stock for many Make_from_an_item objects

ae865 Item is material for one Stock_material

ae866 Item is material for many Stock_material objects

ae867 Item is related_item for one Tdp_element_and_item_association

ae868 Item is related_item for many Tdp_element_and_item_association objects

4.1.76 Item_identification

- ae869 Item_identification
- ae870 Item_identification with identifying_number of one Identifier
- ae871 Item_identification has identifying_number of one item_identifying_number_select as Drawing_suffix_number_combination
- ae872 Item_identification with nomenclature_or_name not present
- ae873 Item_identification with nomenclature_or_name
- ae874 Item_identification has alternate_identifications of zero Alternate_identification_of_item
- ae875 Item_identification has alternate_identifications of one Alternate_identification_of_item
- ae876 Item_identification has alternate_identifications of many Alternate_identification_of_item objects
- ae877 Item_identification has change of zero Change_identification
- ae878 Item_identification has change of one Change_identification
- ae879 Item_identification has classifications of zero Item_type
- ae880 Item_identification has classifications of one Item_type
- ae881 Item_identification has classifications of many Item_type objects
- ae882 Item_identification has design_activity of one Design_authority
- ae883 Item_identification has source_information of zero Source_information_type
- ae884 Item_identification has source_information of one Source_information_type
- ae885 Item_identification is applicable_to for one Reason
- ae886 Item_identification is applicable_to for many Reason objects
- ae887 Item_identification is assembly_item_list_applies_to for one Item_list_drawing
- ae888 Item_identification is assembly_item_list_applies_to for many Item_list_drawing objects
- ae889 Item_identification is child for one Item_parent_to_item_child_relationship
- ae890 Item_identification is child for many Item_parent_to_item_child_relationship objects
- ae891 Item_identification is child for one Tdp_element_parent_to_item_child_relationship
- ae892 Item_identification is child for many Tdp_element_parent_to_item_child_relationship objects
- ae8921 Item_identification is design_item for one Product_configuration
- ae8922 Item_identification is design_item for many Product_configuration objects
- ae893 Item_identification is for_item for one Data_list_tabulation
- ae894 Item_identification is for_item for many Data_list_tabulation objects
- ae895 Item_identification is for_item for one Data_list_tabulation
- ae896 Item_identification is identification for one Item
- ae897 Item_identification is identification for many Item objects
- ae898 Item_identification is list_for for one Item_list
- ae899 Item_identification is list_for for many Item_list objects
- ae900 Item_identification is parent for one Item_parent_to_item_child_relationship
- ae901 Item_identification is parent for many Item_parent_to_item_child_relationship objects
- ae902 Item_identification is parent for one Item_parent_to_tdp_element_child_relationship
- ae903 Item_identification is parent for many Item_parent_to_tdp_element_child_relationship objects
- ae904 Item_identification is procurement_references for one Data_definition_exchange_header
- ae905 Item_identification is procurement_references for many Data_definition_exchange_header objects
- ae906 Item_identification is procurement_references for one Indentured_data_list_header
- ae907 Item_identification is procurement_references for many Indentured_data_list_header objects
- ae908 Item_identification is tdp_indenture for one Tdp_indentured_item
- ae909 Item_identification is tdp_indenture for many Tdp_indentured_item objects

4.1.77 Item_list

- ae910 Item_list
- ae911 Item_list with type_of_component_list of one Text
- ae912 Item_list with type_of_component_list = assembly_defined_on_drawing_component_list
- ae913 Item_list with type_of_component_list = installation_drawing_component_list
- ae914 Item_list with type_of_component_list =
item_not_defined_on_drawing_next_higher_assembly_component_list
- ae915 Item_list with type_of_component_list = made_from_component_list_of_one
- ae916 Item_list with type_of_component_list = net_change_list
- ae917 Item_list with type_of_component_list = synthetic_part_number_component_list
- ae918 Item_list has component_of of one Item_usage
- ae919 Item_list has component_of of many Item_usage objects
- ae920 *(deprecated)*
- ae921 Item_list has list_for of one item_list_applies_to_select as Item_identification
- ae922 Item_list has list_for of one item_list_applies_to_select as Item_list_drawing
- ae923 Item_list is parts_tabulations for one Parts_list_body
- ae924 Item_list is parts_tabulations for many Parts_list_body objects

4.1.78 Item_list_drawing

- ae925 Item_list_drawing
- ae926 Item_list_drawing has assembly_item_list_applies_to of zero Item_identification
- ae927 Item_list_drawing has assembly_item_list_applies_to of one Item_identification
- ae928 Item_list_drawing has drawing_number of one Element_identification
- ae929 Item_list_drawing is list_for for one Item_list
- ae930 Item_list_drawing is list_for for many Item_list objects

4.1.79 Item_parent_to_item_child_relationship

- ae931 Item_parent_to_item_child_relationship
- ae932 Item_parent_to_item_child_relationship has child of one Item_identification
- ae933 Item_parent_to_item_child_relationship has parent of one Item_identification
- ae934 Item_parent_to_item_child_relationship is entry for one Indentured_data_list_entry
- ae935 Item_parent_to_item_child_relationship is entry for many Indentured_data_list_entry objects
- ae936 Item_parent_to_item_child_relationship is indentured_entry for one
Data_definition_indentured_entry
- ae937 Item_parent_to_item_child_relationship is indentured_entry for many
Data_definition_indentured_entry objects

4.1.80 Item_parent_to_tdp_element_child_relationship

- ae938 Item_parent_to_tdp_element_child_relationship
- ae939 Item_parent_to_tdp_element_child_relationship has child of one Element_identification
- ae940 Item_parent_to_tdp_element_child_relationship has parent of one Item_identification
- ae941 Item_parent_to_tdp_element_child_relationship is entry for one Indentured_data_list_entry
- ae942 Item_parent_to_tdp_element_child_relationship is entry for many Indentured_data_list_entry
objects
- ae943 Item_parent_to_tdp_element_child_relationship is indentured_entry for one
Data_definition_indentured_entry

ae944 Item_parent_to_tdp_element_child_relationship is indentured_entry for many Data_definition_indentured_entry objects

4.1.81 Item_type

ae945 Item_type
 ae946 Item_type with item_code
 ae947 Item_type with type_of_coding_scheme not present
 ae948 Item_type with type_of_coding_scheme
 ae949 Item_type has code_administrator of zero Company
 ae950 Item_type has code_administrator of one Company
 ae9501 Item_type is classifications for one Alternate_identification_of_item
ae9502 Item_type is classifications for many Alternate_identification_of_item objects
 ae951 Item_type is classifications for one Item_identification
 ae952 Item_type is classifications for many Item_identification objects

4.1.82 Item_usage

ae953 Item_usage
 ae954 Item_usage as Foreign_defined_item
 ae955 Item_usage as Locally_defined_item
 ae956 Item_usage has being_defined_for of one Item
 ae957 Item_usage has effective_on of zero Effectivity
 ae958 Item_usage has effective_on of one Effectivity
 ae959 Item_usage has list_item of zero List_item_usage
 ae960 Item_usage has list_item of one List_item_usage
 ae961 Item_usage has quantity_used_in_next_higher_assembly of zero Quantity
 ae962 Item_usage has quantity_used_in_next_higher_assembly of one Quantity
 ae963 Item_usage has retrofit of zero Retrofit_usage
 ae964 Item_usage has retrofit of one Retrofit_usage
 ae965 Item_usage has special_conditions of zero Special_condition
 ae966 Item_usage has special_conditions of one Special_condition
 ae967 Item_usage has special_conditions of many Special_condition objects
 ae968 Item_usage is component_of for one Item_list
 ae969 Item_usage is interchange_item for one Alternate_item
 ae970 Item_usage is interchange_item for many Alternate_item objects

4.1.83 List_item_usage

ae971 List_item_usage
 ae972 List_item_usage with drawing_zones not present
 ae973 List_item_usage with drawing_zones of one Identifier
 ae974 List_item_usage with drawing_zones of many Identifier elements
 ae975 List_item_usage with entry_item_change_level not present
 ae976 List_item_usage with entry_item_change_level
 ae977 List_item_usage with find_number not present
 ae978 List_item_usage with find_number
 ae979 List_item_usage with item_type not present
 ae980 List_item_usage with item_type
 ae981 List_item_usage with reference_designators not present

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- ae982 List_item_usage with reference_designators of one Identifier
- ae983 List_item_usage with reference_designators of many Identifier elements
- ae984 List_item_usage has entry_notes of zero Notation
- ae985 List_item_usage has entry_notes of one Notation
- ae986 List_item_usage has entry_notes of many Notation objects
- ae987 List_item_usage is list_item for one Item_usage

4.1.84 List_presentation

- ae988 List_presentation
- ae989 List_presentation with unit_of_length
- ae990 List_presentation has body_page1_format of one Body_presentation
- ae991 List_presentation has body_pagen_format of zero Body_presentation
- ae992 List_presentation has body_pagen_format of one Body_presentation
- ae993 List_presentation has body_pagen_format of many Body_presentation objects
- ae994 List_presentation has header_page1_format of one Header_presentation
- ae995 List_presentation has header_pagen_format of zero Header_presentation
- ae996 List_presentation has header_pagen_format of one Header_presentation
- ae997 List_presentation has header_pagen_format of many Header_presentation objects
- ae998 List_presentation has page_format of one Page_presentation
- ae999 List_presentation is presentation for one Associated_list
- ae1000 List_presentation is presentation for many Associated_list objects
- ae1001 List_presentation is presentation for one Data_definition_exchange
- ae1002 List_presentation is presentation for many Data_definition_exchange objects

4.1.85 Load_point

- ae1003 Load_point
- ae1004 Load_point with load_point_x
- ae1005 Load_point with load_point_y
- ae1006 Load_point is field_load_point for one Field_location_definition
- ae1007 Load_point is field_load_point for many Field_location_definition objects
- ae1008 Load_point is string_load_point for one String_location_definition
- ae1009 Load_point is string_load_point for many String_location_definition objects

4.1.86 Locally_defined_item

- ae1010 Locally_defined_item
- ae1011 Locally_defined_item as Assembly
- ae1012 Locally_defined_item as Made_from_stock_material
- ae1013 Locally_defined_item as Make_from_an_item

4.1.87 Lot_effectivity

- ae1014 Lot_effectivity
- ae1015 Lot_effectivity with lot_identification
- ae1016 Lot_effectivity with lot_size
- ae1017 Lot_effectivity with lot_unit_of_measure

4.1.88 Made_from_stock_material

ae1018 Made_from_stock_material
 ae1019 Made_from_stock_material with quantity_of_item_made_from_stock not present
 ae1020 Made_from_stock_material with quantity_of_item_made_from_stock
 ae1021 Made_from_stock_material has specified_by of zero Reference_document_usage
 ae1022 Made_from_stock_material has specified_by of one Reference_document_usage
 ae1023 Made_from_stock_material has specified_by of many Reference_document_usage objects
 ae1024 Made_from_stock_material has size of zero Stock_size
 ae1025 Made_from_stock_material has size of one Stock_size
 ae1026 Made_from_stock_material has stock of zero Stock_material
 ae1027 Made_from_stock_material has stock of one Stock_material

4.1.89 Make_from_an_item

ae1028 Make_from_an_item
 ae1029 Make_from_an_item with quantity_of_item_made_from_other_item not present
 ae1030 Make_from_an_item with quantity_of_item_made_from_other_item
 ae1031 Make_from_an_item has item_that_is_acting_as_stock of one Item

4.1.90 Notation

ae1032 Notation
 ae1033 Notation with note
 ae1034 Notation with note_parameter not present
 ae1035 Notation with note_parameter of one Text
 ae1036 Notation with note_parameter of many Text elements
 ae1037 Notation with note_title not present
 ae1038 Notation with note_title
 ae1039 Notation with reference_code not present
 ae1040 Notation with reference_code
 ae1041 Notation with type_of_notation not present
 ae1042 Notation with type_of_notation of one Label
 ae1043 Notation with type_of_notation of many Label elements
 ae1044 Notation has referenced_document_in_note of zero Element_identification
 ae1045 Notation has referenced_document_in_note of one Element_identification
 ae1046 Notation has referenced_document_in_note of many Element_identification objects
 ae1047 Notation is data_list_notes for one Data_list_body
 ae1048 Notation is data_list_notes for many Data_list_body objects
 ae1049 Notation is entry_notes for one Data_definition_entry_item
 ae1050 Notation is entry_notes for many Data_definition_entry_item objects
 ae1051 Notation is entry_notes for one Data_definition_entry_tdp_element
 ae1052 Notation is entry_notes for many Data_definition_entry_tdp_element objects
 ae1053 Notation is entry_notes for one Data_list_entry
 ae1054 Notation is entry_notes for many Data_list_entry objects
 ae1055 Notation is entry_notes for one Indentured_data_list_entry
 ae1056 Notation is entry_notes for many Indentured_data_list_entry objects
 ae1057 Notation is entry_notes for one Index_list_entry
 ae1058 Notation is entry_notes for many Index_list_entry objects
 ae1059 Notation is entry_notes for one List_item_usage

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- ae1060 Notation is entry_notes for many List_item_usage objects
- ae1061 Notation is list_notes for one Index_list_body
- ae1062 Notation is list_notes for many Index_list_body objects
- ae1063 Notation is list_notes for one Parts_list_body
- ae1064 Notation is list_notes for many Parts_list_body objects
- ae1065 Notation is notes for one Item
- ae1066 Notation is notes for many Item objects
- ae1067 Notation is notes for one Other_list_body
- ae1068 Notation is notes for many Other_list_body objects
- ae1069 Notation is notes_list for one Data_definition_exchange_body
- ae1070 Notation is notes_list for many Data_definition_exchange_body objects
- ae1071 Notation is notes_list for one Indentured_data_list_body
- ae1072 Notation is notes_list for many Indentured_data_list_body objects
- ae1073 Notation is retrofit_description for one Retrofit_usage
- ae1074 Notation is retrofit_description for many Retrofit_usage objects

4.1.91 Number_with_units

- ae1075 Number_with_units
- ae1076 Number_with_units with units_of
- ae1077 Number_with_units with value_of
- ae1078 Number_with_units is a_length for one Stock_size_parameters
- ae1079 Number_with_units is a_length for many Stock_size_parameters objects
- ae1080 Number_with_units is a_value for one Volume
- ae1081 Number_with_units is a_value for many Volume objects
- ae1082 Number_with_units is diameter for one Stock_size_parameters
- ae1083 Number_with_units is diameter for many Stock_size_parameters objects
- ae1084 Number_with_units is height for one Stock_size_parameters
- ae1085 Number_with_units is height for many Stock_size_parameters objects
- ae1086 Number_with_units is radius for one Stock_size_parameters
- ae1087 Number_with_units is radius for many Stock_size_parameters objects
- ae1088 Number_with_units is wall_thickness for one Stock_size_parameters
- ae1089 Number_with_units is wall_thickness for many Stock_size_parameters objects
- ae1090 Number_with_units is width for one Stock_size_parameters
- ae1091 Number_with_units is width for many Stock_size_parameters objects

4.1.92 Other_list

- ae1092 Other_list
- ae1093 Other_list has list_body of one Other_list_body
- ae1094 Other_list has list_header of one Other_list_header

4.1.93 Other_list_body

- ae1095 Other_list_body
- ae1096 Other_list_body has list_body_tables of zero Other_list_body_table
- ae1097 Other_list_body has list_body_tables of one Other_list_body_table
- ae1098 Other_list_body has list_body_tables of many Other_list_body_table objects
- ae1099 Other_list_body has notes of zero Notation
- ae1100 Other_list_body has notes of one Notation

- ae1101 Other_list_body has notes of many Notation objects
- ae1102 Other_list_body has revision_history of zero Revision
- ae1103 Other_list_body has revision_history of one Revision
- ae1104 Other_list_body has revision_history of many Revision objects
- ae1105 Other_list_body is list_body for one Other_list

4.1.94 Other_list_body_table

- ae1106 Other_list_body_table
- ae1107 Other_list_body_table with description_of_tabulation not present
- ae1108 Other_list_body_table with description_of_tabulation
- ae1109 Other_list_body_table with tabulation_column_descriptions not present
- ae1110 Other_list_body_table with one tabulation_column_descriptions
- ae1111 Other_list_body_table with many tabulation_column_descriptions elements
- ae1112 Other_list_body_table has tabulation_rows of one Tabulation_entry
- ae1113 Other_list_body_table has tabulation_rows of many Tabulation_entry objects
- ae1114 Other_list_body_table is list_body_tables for one Other_list_body
- ae1115 Other_list_body_table is list_body_tables for many Other_list_body objects

4.1.95 Other_list_header

- ae1116 Other_list_header
- ae1117 Other_list_header has common_header of one Header
- ae1118 Other_list_header is list_header for one Other_list

4.1.96 Other_reference_document

- ae1119 Other_reference_document
- ae1120 Other_reference_document is authorizing_documents for one Revision
- ae1121 Other_reference_document is authorizing_documents for many Revision objects
- ae1122 Other_reference_document is defining_document for one Retrofit_usage
- ae1123 Other_reference_document is defining_document for many Retrofit_usage objects
- ae1124 Other_reference_document is outstanding_changes for one Alternate_element_identification
- ae1125 Other_reference_document is outstanding_changes for many
Alternate_element_identification objects
- ae1126 Other_reference_document is outstanding_changes for one Element_identification
- ae1127 Other_reference_document is outstanding_changes for many Element_identification objects
- ae1128 Other_reference_document is revision_authorization_identifications for one
Change_identification
- ae1129 Other_reference_document is revision_authorization_identifications for many
Change_identification objects

4.1.97 Page_parameters

- ae1130 Page_parameters
- ae1131 Page_parameters with page_anchor_x
- ae1132 Page_parameters with page_anchor_y
- ae1133 Page_parameters with page_size_code not present
- ae1134 Page_parameters with page_size_code
- ae1135 Page_parameters with paper_size not present

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- ae1136 Page_parameters with paper_size
- ae1137 Page_parameters has graphics_declaration of zero graphics_parameters
- ae1138 Page_parameters has graphics_declaration of one graphics_parameters as Explicit_graphics
- ae1139 Page_parameters has graphics_declaration of one graphics_parameters as External_graphics_file
- ae1140 Page_parameters is page_master_parameters for one Page_presentation
- ae1141 Page_parameters is page_master_parameters for many Page_presentation objects
- ae1142 Page_parameters is page1_parameters for one Page_presentation
- ae1143 Page_parameters is page1_parameters for many Page_presentation objects
- ae1144 Page_parameters is pagen_parameters for one Page_presentation
- ae1145 Page_parameters is pagen_parameters for many Page_presentation objects

4.1.98 Page_presentation

- ae1146 Page_presentation
- ae1147 Page_presentation has page_master_parameters of one Page_parameters
- ae1148 Page_presentation has page1_parameters of zero Page_parameters
- ae1149 Page_presentation has page1_parameters of one Page_parameters
- ae1150 Page_presentation has pagen_parameters of zero Page_parameters
- ae1151 Page_presentation has pagen_parameters of one Page_parameters
- ae1152 Page_presentation has pagen_parameters of many Page_parameters objects

4.1.99 Parts_list

- ae1153 Parts_list
- ae1154 Parts_list has list_body of one Parts_list_body
- ae1155 Parts_list has list_header of one Parts_list_header

4.1.100 Parts_list_body

- ae1156 Parts_list_body
- ae1157 Parts_list_body has list_notes of zero Notation
- ae1158 Parts_list_body has list_notes of one Notation
- ae1159 Parts_list_body has list_notes of many Notation objects
- ae1160 Parts_list_body has parts_tabulations of one Item_list
- ae1161 Parts_list_body has parts_tabulations of many Item_list objects
- ae1162 Parts_list_body has referenced_tdp_elements of zero Tdp_element_list_item
- ae1163 Parts_list_body has referenced_tdp_elements of one Tdp_element_list_item
- ae1164 Parts_list_body has referenced_tdp_elements of many Tdp_element_list_item objects
- ae1165 Parts_list_body has revision_history of zero Revision
- ae1166 Parts_list_body has revision_history of one Revision
- ae1167 Parts_list_body has revision_history of many Revision objects
- ae1168 Parts_list_body is list_body for one Parts_list

4.1.101 Parts_list_header

- ae1169 Parts_list_header
- ae1170 Parts_list_header has common_header of one Header
- ae1171 Parts_list_header is list_header for one Parts_list

4.1.102 Person

ae1172 Person
 ae1173 Person with first_name not present
 ae1174 Person with first_name
 ae1175 Person with last_name not present
 ae1176 Person with last_name
 ae1177 Person with middle_name not present
 ae1178 Person with middle_name
 ae1179 Person with title not present
 ae1180 Person with title
 ae1181 Person with unique_identifier
 ae1182 Person is person_identification for one Person_and_organization
 ae1183 Person is person_identification for many Person_and_organization objects
 ae1184 Person is person_responsible for one Design_authority
 ae1185 Person is person_responsible for many Design_authority objects
 ae1186 Person is person_responsible for one Release_authentication
 ae1187 Person is person_responsible for many Release_authentication objects
 ae1188 Person is target_person for one System_destination
 ae1189 Person is target_person for many System_destination objects

4.1.103 Person_and_organization

ae1190 Person_and_organization
 ae1191 Person_and_organization with electronic_mail_address not present
 ae1192 Person_and_organization with electronic_mail_address
 ae1193 Person_and_organization with person_address not present
 ae1194 Person_and_organization with person_address
 ae1195 Person_and_organization has organization of zero Company
 ae1196 Person_and_organization has organization of one Company
 ae1197 Person_and_organization has person_identification of zero Person
 ae1198 Person_and_organization has person_identification of one Person
 ae1199 Person_and_organization is distribution_authority for one Distribution_notice
 ae1200 Person_and_organization is distribution_authority for many Distribution_notice objects
 ae1201 Person_and_organization is person_organization for one Approval
 ae1202 Person_and_organization is person_organization for many Approval objects
 ae1203 Person_and_organization is revision_approval for one Revision
 ae1204 Person_and_organization is revision_approval for many Revision objects

4.1.104 Product_configuration

ae1205 Product_configuration
 ae1206 Product_configuration with configuration_id
 ae1207 Product_configuration has approval_of_configuration of zero Approval
 ae1208 Product_configuration has approval_of_configuration of one Approval
 ae1209 Product_configuration has approval_of_configuration of many Approval objects
 ae12091 Product_configuration has design_item of zero Item_identification
 ae12092 Product_configuration has design_item of one Item_identification
 ae1210 Product_configuration has product_name of one Product_model
 ae1211 Product_configuration is end_item_system_designation for one Configuration

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ae1212 Product_configuration is end_item_system_designation for many Configuration objects

ae1213 Product_configuration is product for one Effectivity

ae1214 Product_configuration is product for many Effectivity objects

4.1.105 Product_data_set

ae1215 Product_data_set as Product_data_set_with_format

ae1216 Product_data_set as Product_data_set_with_shading

ae1217 Product_data_set as Product_data_set_without_format

ae1218 Product_data_set has file_configuration of zero Source_file

ae1219 Product_data_set has file_configuration of one Source_file

ae1220 Product_data_set has file_configuration of many Source_file objects

ae1221 Product_data_set has related of zero drawing_or_product_data_set

ae1222 Product_data_set has related of one drawing_or_product_data_set as Drawing

ae1223 Product_data_set has related of one drawing_or_product_data_set as Product_data_set

ae1224 Product_data_set is related for one Product_data_set

ae1225 Product_data_set is related for many Product_data_set objects

4.1.106 Product_data_set_with_format

ae1226 Product_data_set_with_format

ae1227 Product_data_set_with_format has presentation_of_product_data_set of zero Product_presentation

ae1228 Product_data_set_with_format has presentation_of_product_data_set of one Product_presentation

ae1229 Product_data_set_with_format has presentation_of_product_data_set of many Product_presentation objects

ae1230 Product_data_set_with_format has product_header of one Header

4.1.107 Product_data_set_with_shading

ae1231 Product_data_set_with_shading

ae1232 Product_data_set_with_shading has a_shaded_model of one Shaded_shape_model

ae1233 Product_data_set_with_shading has data_configuration of one Header_configuration_with_element_identification

4.1.108 Product_data_set_without_format

ae1234 Product_data_set_without_format

ae1235 Product_data_set_without_format has a_model of zero Shape_model

ae1236 Product_data_set_without_format has a_model of one Shape_model

ae1237 Product_data_set_without_format has data_configuration of one Header_configuration_with_element_identification

4.1.109 Product_model

ae1238 Product_model

ae1239 Product_model with model_name

ae1240 Product_model is product_name for one Product_configuration

ae1241 Product_model is product_name for many Product_configuration objects

4.1.110 Product_presentation

- ae1242 Product_presentation
- ae1243 Product_presentation has annotation_presentation of one Annotation
- ae1244 Product_presentation has part_shape_views of zero Shape_model
- ae1245 Product_presentation has part_shape_views of one Shape_model
- ae1246 Product_presentation has part_shape_views of many Shape_model objects
- ae1247 Product_presentation is presentation_format for one Sheet
- ae1248 Product_presentation is presentation_format for many Sheet objects
- ae1249 Product_presentation is presentation_of_product_data_set for one
Product_data_set_with_format
- ae1250 Product_presentation is presentation_of_product_data_set for many
Product_data_set_with_format objects

4.1.111 Quantity

- ae1251 Quantity
- ae1252 Quantity with quantity_accuracy not present
- ae1253 Quantity with quantity_accuracy of one Text
- ae1254 Quantity with quantity_accuracy = approximate
- ae1255 Quantity with quantity_accuracy = as_required
- ae1256 Quantity with quantity_accuracy = exact
- ae1257 Quantity with value of one A_number
- ae1258 Quantity with value of one Text
- ae1259 Quantity has value of one quantity_type_select as Volume
- ae1260 Quantity has value of one quantity_type_select as Weight
- ae1261 Quantity is quantity_used_in_next_higher_assembly for one Item_usage
- ae1262 Quantity is quantity_used_in_next_higher_assembly for many Item_usage objects
- ae1263 Quantity is total_component_quantity_in_product_configuration for one Sequence_effectivity
- ae1264 Quantity is total_component_quantity_in_product_configuration for many
Sequence_effectivity objects

4.1.112 Reason

- ae1265 Reason
- ae1266 Reason with base not present
- ae1267 Reason with base = acknowledge receipt of delivery
- ae1268 Reason with base = engineering design analysis
- ae1269 Reason with base = interim engineering design review
- ae1270 Reason with base = final design review
- ae1271 Reason with base = initial data submittal
- ae1272 Reason with base = procurement design package
- ae1273 Reason with base = provisioning data submittal
- ae1274 Reason with base = request for proposal
- ae1275 Reason with base = request for quote
- ae1276 Reason with base = revision update data submittal
- ae1277 Reason with base = specification design package
- ae1278 Reason with exchange_purpose not present
- ae1279 Reason with exchange_purpose
- ae1280 Reason has applicable_to of zero Item_identification

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- ae1281 Reason has applicable_to of one Item_identification
- ae1282 Reason has applicable_to of many Item_identification objects
- ae1283 Reason is exchange_reason for one Data_definition_exchange_header
- ae1284 Reason is exchange_reason for many Data_definition_exchange_header objects

4.1.113 Reference_document

- ae1285 Reference_document as Other_reference_document
- ae1286 Reference_document as Specification_document
- ae1287 Reference_document as Standard_document
- ae1288 Reference_document has document_identification of one Element_identification
- ae1289 Reference_document is available_from for one Data_definition_entry_item
- ae1290 Reference_document is available_from for many Data_definition_entry_item objects
- ae1291 Reference_document is available_from for one Data_definition_entry_tdp_element
- ae1292 Reference_document is available_from for many Data_definition_entry_tdp_element objects
- ae1293 Reference_document is available_from for one Data_list_entry
- ae1294 Reference_document is available_from for many Data_list_entry objects
- ae1295 Reference_document is available_from for one Indentured_data_list_entry
- ae1296 Reference_document is available_from for many Indentured_data_list_entry objects
- ae1297 Reference_document is conditions_defined_through_simple_reference for one Item
- ae1298 Reference_document is conditions_defined_through_simple_reference for many Item objects
- ae1299 Reference_document is document_referenced for one Reference_document_usage
- ae1300 Reference_document is document_referenced for many Reference_document_usage objects
- ae1301 Reference_document is list_entry for one Data_list_entry
- ae1302 Reference_document is list_entry for many Data_list_entry objects

4.1.114 Reference_document_usage

- ae1303 Reference_document_usage
- ae1304 Reference_document_usage with location_in_document not present
- ae1305 Reference_document_usage with location_in_document
- ae1306 Reference_document_usage with usage_code not present
- ae1307 Reference_document_usage with usage_code
- ae1308 Reference_document_usage with usage_description not present
- ae1309 Reference_document_usage with usage_description
- ae1310 Reference_document_usage has document_referenced of one Reference_document
- ae1311 Reference_document_usage has usage_parameter of zero Document_usage_parameter
- ae1312 Reference_document_usage has usage_parameter of one Document_usage_parameter
- ae1313 Reference_document_usage is conditions_defined_through_constrained_document for one Item
- ae1314 Reference_document_usage is conditions_defined_through_constrained_document for many Item objects
- ae1315 Reference_document_usage is specified_by for one Made_from_stock_material
- ae1316 Reference_document_usage is specified_by for many Made_from_stock_material objects

4.1.115 Release_authentication

- ae1317 Release_authentication
- ae1318 Release_authentication with authentication
- ae1319 Release_authentication has person_responsible of zero Person

- ae1320 Release_authentication has person_responsible of one Person
- ae1321 Release_authentication has release_authority of one Company
- ae1322 Release_authentication has release_authority_code of zero Company_code
- ae1323 Release_authentication has release_authority_code of one Company_code
- ae1324 Release_authentication has release_date of one Date
- ae1325 Release_authentication is release_authorizations for one Configuration
- ae1326 Release_authentication is release_authorizations for many Configuration objects

4.1.116 Retrofit_usage

- ae1327 Retrofit_usage
- ae1328 Retrofit_usage with disposition_for = add
- ae1329 Retrofit_usage with disposition_for = delete
- ae1330 Retrofit_usage with disposition_for = modify
- ae1331 Retrofit_usage has defining_document of zero Other_reference_document
- ae1332 Retrofit_usage has defining_document of one Other_reference_document
- ae1333 Retrofit_usage has retrofit_description of zero Notation
- ae1334 Retrofit_usage has retrofit_description of one Notation
- ae13341 Retrofit_usage is retrofit for one Indentured_data_list_entry
- ae13342 Retrofit_usage is retrofit for many Indentured_data_list_entry objects
- ae1335 Retrofit_usage is retrofit for one Item_usage
- ae1336 Retrofit_usage is retrofit for many Item_usage objects

4.1.117 Revision

- ae1337 Revision
- ae1338 Revision with revision_description not present
- ae1339 Revision with revision_description
- ae1340 Revision with revision_level
- ae1341 Revision has authorizing_documents of zero Other_reference_document
- ae1342 Revision has authorizing_documents of one Other_reference_document
- ae1343 Revision has authorizing_documents of many Other_reference_document objects
- ae1344 Revision has revision_approval of zero Person_and_organization
- ae1345 Revision has revision_approval of one Person_and_organization
- ae1346 Revision has revision_date of zero Date
- ae1347 Revision has revision_date of one Date
- ae1348 Revision is revision_history for one Data_definition_exchange_body
- ae1349 Revision is revision_history for many Data_definition_exchange_body objects
- ae1350 Revision is revision_history for one Data_list_body
- ae1351 Revision is revision_history for many Data_list_body objects
- ae1352 Revision is revision_history for one Indentured_data_list_body
- ae1353 Revision is revision_history for many Indentured_data_list_body objects
- ae1354 Revision is revision_history for one Index_list_body
- ae1355 Revision is revision_history for many Index_list_body objects
- ae1356 Revision is revision_history for one Other_list_body
- ae1357 Revision is revision_history for many Other_list_body objects
- ae1358 Revision is revision_history for one Parts_list_body
- ae1359 Revision is revision_history for many Parts_list_body objects

4.1.118 Security_classification

- ae1360 Security_classification
- ae1361 Security_classification with item_classification
- ae1362 Security_classification with title_security_classification not present
- ae1363 Security_classification with title_security_classification
- ae1364 Security_classification has classification_date of zero Date
- ae1365 Security_classification has classification_date of one Date
- ae1366 Security_classification has declassification_date of zero Date
- ae1367 Security_classification has declassification_date of one Date
- ae1368 Security_classification is security_identifications for one Configuration
- ae1369 Security_classification is security_identifications for many Configuration objects
- ae1370 Security_classification is security_identifications for one File
- ae1371 Security_classification is security_identifications for many File objects

4.1.119 Sequence_effectivity

- ae1372 Sequence_effectivity
- ae1373 Sequence_effectivity with from_effectivity_id
- ae1374 Sequence_effectivity with quantity_unit_of_measure not present
- ae1375 Sequence_effectivity with quantity_unit_of_measure
- ae1376 Sequence_effectivity with thru_effectivity_id not present
- ae1377 Sequence_effectivity with thru_effectivity_id
- ae1378 Sequence_effectivity has total_component_quantity_in_product_configuration of zero Quantity
- ae1379 Sequence_effectivity has total_component_quantity_in_product_configuration of one Quantity

4.1.120 Shaded_shape_model

- ae1380 Shaded_shape_model
- ae1381 Shaded_shape_model has part_shape_views of one Shape_model
- ae1382 Shaded_shape_model has part_shape_views of many Shape_model objects
- ae1383 Shaded_shape_model is a_shaded_model for one Product_data_set_with_shading
- ae1384 Shaded_shape_model is a_shaded_model for many Product_data_set_with_shading objects

4.1.121 Shape_model

- ae1385 Shape_model
- ae1386 Shape_model has part_shape_representation of one Geometry
- ae1387 Shape_model is a_model for one Product_data_set_without_format
- ae1388 Shape_model is a_model for many Product_data_set_without_format objects
- ae1389 Shape_model is part_shape_views for one Product_presentation
- ae1390 Shape_model is part_shape_views for many Product_presentation objects
- ae1391 Shape_model is part_shape_views for one Shaded_shape_model
- ae1392 Shape_model is part_shape_views for many Shaded_shape_model objects

4.1.122 Sheet

- ae1393 Sheet

- ae1394 Sheet with sheet_size not present
- ae1395 Sheet with sheet_size
- ae1396 Sheet has presentation_format of zero Product_presentation
- ae1397 Sheet has presentation_format of one Product_presentation
- ae1398 Sheet has sheet_configuration of zero Configuration
- ae1399 Sheet has sheet_configuration of one Configuration
- ae1400 Sheet has sheet_identifier of zero Element_identification
- ae1401 Sheet has sheet_identifier of one Element_identification
- ae1402 Sheet is pages for one Drawing
- ae1403 Sheet is pages for many Drawing objects
- ae1404 Sheet is list_entry for one Data_list_entry
- ae1405 Sheet is list_entry for many Data_list_entry objects

4.1.123 Simple_list_of_elements

- ae1406 Simple_list_of_elements
- ae1407 Simple_list_of_elements has element_entries of one Data_definition_exchange_simple_entry
- ae1408 Simple_list_of_elements has element_entries of many Data_definition_exchange_simple_entry objects
- ae1409 Simple_list_of_elements is list_method for one Data_definition_exchange_body
- ae1410 Simple_list_of_elements is list_method for many Data_definition_exchange_body objects

4.1.124 Simple_list_of_files

- ae1411 Simple_list_of_files
- ae1412 Simple_list_of_files has file_entries of one data_definition_file_entry as Accessed_file
- ae1413 Simple_list_of_files has file_entries of many data_definition_file_entry as Accessed_file objects
- ae1414 Simple_list_of_files has file_entries of one data_definition_file_entry as Exchange_file
- ae1415 Simple_list_of_files has file_entries of many data_definition_file_entry as Exchange_file objects
- ae1416 Simple_list_of_files is list_method for one Data_definition_exchange_body
- ae1417 Simple_list_of_files is list_method for many Data_definition_exchange_body objects

4.1.125 Single_document_list

- ae1418 Single_document_list as Data_list
- ae1419 Single_document_list as Index_list

4.1.126 Size_characteristics

- ae1420 Size_characteristics
- ae1421 Size_characteristics as Size_characteristics_full_size
- ae1422 Size_characteristics as Size_characteristics_internal_divisions
- ae1423 Size_characteristics as Size_characteristics_sheet_across_file
- ae1424 Size_characteristics with byte_size not present
- ae1425 Size_characteristics with byte_size
- ae1426 Size_characteristics with sheet_size not present
- ae1427 Size_characteristics with sheet_size
- ae1428 Size_characteristics is size for one Data_definition_entry_tdp_element

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ae1429 Size_characteristics is size for many Data_definition_entry_tdp_element objects

ae1430 Size_characteristics is size for one File

ae1431 Size_characteristics is size for many File objects

4.1.127 Size_characteristics_full_size

ae1432 Size_characteristics_full_size

ae1433 Size_characteristics_full_size is size_of_sheet for one Header

ae1434 Size_characteristics_full_size is size_of_sheet for many Header objects

4.1.128 Size_characteristics_internal_divisions

ae1435 Size_characteristics_internal_divisions

ae1436 Size_characteristics_internal_divisions with internal_division_count not present

ae1437 Size_characteristics_internal_divisions with internal_division_count

ae1438 Size_characteristics_internal_divisions with internal_division_type not present

ae1439 Size_characteristics_internal_divisions with internal_division_type

4.1.129 Size_characteristics_sheet_across_file

ae1440 Size_characteristics_sheet_across_file

ae1441 Size_characteristics_sheet_across_file with frame_number_comprising_this_file not present

ae1442 Size_characteristics_sheet_across_file with frame_number_comprising_this_file

ae1443 Size_characteristics_sheet_across_file with number_of_frames_for_sheet not present

ae1444 Size_characteristics_sheet_across_file with number_of_frames_for_sheet

4.1.130 Source_file

ae1445 Source_file

ae1446 Source_file is file_configuration for one Product_data_set

ae1447 Source_file is file_configuration for many Product_data_set objects

4.1.131 Source_information_type

ae1448 Source_information_type

ae1449 Source_information_type with source_code not present

ae1450 Source_information_type with source_code

ae1451 Source_information_type with source_description not present

ae1452 Source_information_type with source_description

ae1453 Source_information_type with type_of_coding_scheme not present

ae1454 Source_information_type with type_of_coding_scheme

ae1455 Source_information_type is source_information for one Alternate_identification_of_item

ae1456 Source_information_type is source_information for many Alternate_identification_of_item objects

ae1457 Source_information_type is source_information for one Item_identification

ae1458 Source_information_type is source_information for many Item_identification objects

4.1.132 Special_condition

ae1459 Special_condition

- ae1460 Special_condition with code not present
- ae1461 Special_condition with code
- ae1462 Special_condition with description not present
- ae1463 Special_condition with description
- ae1464 Special_condition with type_of_coding_scheme not present
- ae1465 Special_condition with type_of_coding_scheme
- ae1466 Special_condition is special_conditions for one Data_definition_entry_item
- ae1467 Special_condition is special_conditions for many Data_definition_entry_item objects
- ae1468 Special_condition is special_conditions for one Data_definition_entry_tdp_element
- ae1469 Special_condition is special_conditions for many Data_definition_entry_tdp_element objects
- ae1470 Special_condition is special_conditions for one Data_list_entry
- ae1471 Special_condition is special_conditions for many Data_list_entry objects
- ae1472 Special_condition is special_conditions for one Indentured_data_list_entry
- ae1473 Special_condition is special_conditions for many Indentured_data_list_entry objects
- ae1474 Special_condition is special_conditions for one Item
- ae1475 Special_condition is special_conditions for many Item objects
- ae1476 Special_condition is special_conditions for one Item_usage
- ae1477 Special_condition is special_conditions for many Item_usage objects

4.1.133 Specification_document

- ae1478 Specification_document

4.1.134 Standard_document

- ae1479 Standard_document

4.1.135 Status

- ae1480 Status
- ae1481 Status with status_code
- ae1482 Status with status_code_basis not present
- ae1483 Status with status_code_basis
- ae1484 Status is action_status for one Change_identification
- ae1485 (*deprecated*)

4.1.136 Stock_material

- ae1486 Stock_material
- ae1487 Stock_material has material of zero Item
- ae1488 Stock_material has material of one Item
- ae1489 Stock_material has size of zero Stock_size
- ae1490 Stock_material has size of one Stock_size
- ae1491 Stock_material is stock for one Made_from_stock_material
- ae1492 Stock_material is stock for many Made_from_stock_material objects

4.1.137 Stock_size

- ae1493 Stock_size
- ae1494 Stock_size with catalog not present

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- ae1495 Stock_size with catalog = bar
- ae1496 Stock_size with catalog = block
- ae1497 Stock_size with catalog = pipe
- ae1498 Stock_size with catalog = plate
- ae1499 Stock_size with catalog = roll
- ae1500 Stock_size with catalog = sheet
- ae1501 Stock_size with catalog = sphere
- ae1502 Stock_size with catalog = tube
- ae1503 Stock_size with cross_section not present
- ae1504 Stock_size with cross_section = angle
- ae1505 Stock_size with cross_section = channel
- ae1506 Stock_size with cross_section = hex
- ae1507 Stock_size with cross_section = I_section
- ae1508 Stock_size with cross_section = oval
- ae1509 Stock_size with cross_section = rectangular
- ae1510 Stock_size with cross_section = round
- ae1511 Stock_size with cross_section = square
- ae1512 Stock_size with cross_section = T_section
- ae1513 Stock_size has parameters_for of one Stock_size_parameters
- ae1514 Stock_size has parameters_for of many Stock_size_parameters objects
- ae1515 Stock_size is size for one Made_from_stock_material
- ae1516 Stock_size is size for many Made_from_stock_material objects
- ae1517 Stock_size is size for one Stock_material
- ae1518 Stock_size is size for many Stock_material objects

4.1.138 Stock_size_parameters

- ae1519 Stock_size_parameters
- ae1520 Stock_size_parameters with name_of_parameter not present
- ae1521 Stock_size_parameters with name_of_parameter
- ae1522 Stock_size_parameters with textual_parameter not present
- ae1523 Stock_size_parameters with textual_parameter
- ae1524 Stock_size_parameters has a_length of zero Number_with_units
- ae1525 Stock_size_parameters has a_length of one Number_with_units
- ae1526 Stock_size_parameters has diameter of zero Number_with_units
- ae1527 Stock_size_parameters has diameter of one Number_with_units
- ae1528 Stock_size_parameters has height of zero Number_with_units
- ae1529 Stock_size_parameters has height of one Number_with_units
- ae1530 Stock_size_parameters has radius of zero Number_with_units
- ae1531 Stock_size_parameters has radius of one Number_with_units
- ae1532 Stock_size_parameters has wall_thickness of zero Number_with_units
- ae1533 Stock_size_parameters has wall_thickness of one Number_with_units
- ae1534 Stock_size_parameters has width of zero Number_with_units
- ae1535 Stock_size_parameters has width of one Number_with_units
- ae1536 Stock_size_parameters is parameters_for for one Stock_size
- ae1537 Stock_size_parameters is parameters_for for many Stock_size objects

4.1.139 String_location_definition

- ae1538 String_location_definition

ae1539 String_location_definition has string_load_point of one Load_point

4.1.140 System_declaration

ae1540 System_declaration
 ae1541 System_declaration with creating_interface not present
 ae1542 System_declaration with creating_interface
 ae1543 System_declaration with operating_system not present
 ae1544 System_declaration with operating_system
 ae1545 System_declaration with system not present
 ae1546 System_declaration with system
 ae1547 System_declaration with system_element_identifier not present
 ae1548 System_declaration with system_element_identifier
 ae1549 System_declaration with system_related_element_identifier not present
 ae1550 System_declaration with system_related_element_identifier
 ae1551 System_declaration is destination_system for one Exchange_file
 ae1552 System_declaration is destination_system for many Exchange_file objects
 ae1553 System_declaration is source_system for one File
 ae1554 System_declaration is source_system for many File objects

4.1.141 System_destination

ae1555 System_destination
 ae1556 System_destination has target_company of one Company
 ae1557 System_destination has target_company_code of zero Company_code
 ae1558 System_destination has target_company_code of one Company_code
 ae1559 System_destination has target_person of zero Person
 ae1560 System_destination has target_person of one Person
 ae1561 System_destination is destinations for one Data_definition_exchange_header
 ae1562 System_destination is destinations for many Data_definition_exchange_header objects

4.1.142 Tabulation

ae1563 Tabulation
 ae1564 Tabulation has group_parent_headings of zero Group_parent_header
 ae1565 Tabulation has group_parent_headings of one Group_parent_header
 ae1566 Tabulation has group_parent_headings of many Group_parent_header objects
 ae1567 Tabulation has parent_columns of zero Group_parent_content_holder
 ae1568 Tabulation has parent_columns of one Group_parent_content_holder
 ae1569 Tabulation has parent_columns of many Group_parent_content_holder objects
 ae1570 Tabulation has tabulation_columnar_headings of zero Column_header
 ae1571 Tabulation has tabulation_columnar_headings of one Column_header
 ae1572 Tabulation has tabulation_columnar_headings of many Column_header objects
 ae1573 Tabulation has tabulation_columns of one Columnar_data_content_holder
 ae1574 Tabulation has tabulation_columns of many Columnar_data_content_holder objects
 ae1575 Tabulation has tabulation_group_parent_headings of zero Group_parent_column_header
 ae1576 Tabulation has tabulation_group_parent_headings of one Group_parent_column_header
 ae1577 Tabulation has tabulation_group_parent_headings of many Group_parent_column_header objects
 ae1578 Tabulation has tabulation_headings of zero Tabulation_header

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ae1579 Tabulation has tabulation_headings of one Tabulation_header

ae1580 Tabulation has tabulation_headings of many Tabulation_header objects

4.1.143 Tabulation_entry

ae1581 Tabulation_entry

ae1582 Tabulation_entry with one column_information

ae1583 Tabulation_entry with many column_information elements

ae1584 Tabulation_entry is tabulation_rows for one Other_list_body_table

ae1585 Tabulation_entry is tabulation_rows for many Other_list_body_table objects

4.1.144 Tabulation_header

ae1586 Tabulation_header

ae1587 Tabulation_header has single_tabulation_header_titles of one Field_title

ae1588 Tabulation_header has single_tabulation_header_titles of many Field_title objects

ae1589 Tabulation_header is tabulation_headings for one Tabulation

ae1590 Tabulation_header is tabulation_headings for many Tabulation objects

4.1.145 Tdp_element

ae1591 Tdp_element as Associated_list

ae1592 Tdp_element as Drawing

ae1593 Tdp_element as Product_data_set

ae1594 Tdp_element as Reference_document

ae1595 Tdp_element is related_tdp_element for one Tdp_element_and_item_association

ae1596 Tdp_element is related_tdp_element for many Tdp_element_and_item_association

4.1.146 Tdp_element_and_item_association

ae1597 Tdp_element_and_item_association

ae1598 Tdp_element_and_item_association has related_item of one Item

ae1599 Tdp_element_and_item_association has related_tdp_element of one Tdp_element

4.1.147 Tdp_element_list_item

ae1600 Tdp_element_list_item

ae1601 Tdp_element_list_item with reference_code not present

ae1602 Tdp_element_list_item with reference_code

ae1603 Tdp_element_list_item has tdp_element_item of one Element_identification

ae1604 Tdp_element_list_item is referenced_tdp_elements for one Parts_list_body

ae1605 Tdp_element_list_item is referenced_tdp_elements for many Parts_list_body objects

4.1.148 Tdp_element_parent_to_item_child_relationship

ae1606 Tdp_element_parent_to_item_child_relationship

ae1607 Tdp_element_parent_to_item_child_relationship has child of one Item_identification

ae1608 Tdp_element_parent_to_item_child_relationship has parent of one Element_identification

ae1609 Tdp_element_parent_to_item_child_relationship is entry for one Indentured_data_list_entry

ae1610 Tdp_element_parent_to_item_child_relationship is entry for many Indentured_data_list_entry objects

ae1611 Tdp_element_parent_to_item_child_relationship is indentured_entry for one Data_definition_indentured_entry

ae1612 Tdp_element_parent_to_item_child_relationship is indentured_entry for many Data_definition_indentured_entry objects

4.1.149 Tdp_element_parent_to_tdp_element_child_relationship

ae1613 Tdp_element_parent_to_tdp_element_child_relationship

ae1614 Tdp_element_parent_to_tdp_element_child_relationship has child of one Element_identification

ae1615 Tdp_element_parent_to_tdp_element_child_relationship has parent of one Element_identification

ae1616 Tdp_element_parent_to_tdp_element_child_relationship is entry for one Indentured_data_list_entry

ae1617 Tdp_element_parent_to_tdp_element_child_relationship is entry for many Indentured_data_list_entry objects

ae1618 Tdp_element_parent_to_tdp_element_child_relationship is indentured_entry for one Data_definition_indentured_entry

ae1619 Tdp_element_parent_to_tdp_element_child_relationship is indentured_entry for many Data_definition_indentured_entry objects

4.1.150 Tdp_indentured_item

ae1620 Tdp_indentured_item

ae1621 Tdp_indentured_item has tdp_indenture of one Item_identification

ae1622 Tdp_indentured_item is entry for one Indentured_data_list_entry

ae1623 Tdp_indentured_item is entry for many Indentured_data_list_entry objects

ae1624 Tdp_indentured_item is indentured_entry for one Data_definition_indentured_entry

ae1625 Tdp_indentured_item is indentured_entry for many Data_definition_indentured_entry objects

ae1626 Tdp_indentured_item is tdp_indentured for one Indentured_list_by_part_with_document_references_to_parts

ae1627 Tdp_indentured_item is tdp_indentured for many Indentured_list_by_part_with_document_references_to_parts objects

ae1628 Tdp_indentured_item is tdp_indentured_items for one Indentured_list_by_part

ae1629 Tdp_indentured_item is tdp_indentured_items for many Indentured_list_by_part objects

4.1.151 Tdp_indentured_tdp_element

ae1630 Tdp_indentured_tdp_element

ae1631 Tdp_indentured_tdp_element has tdp_indenture of one Element_identification

ae1632 Tdp_indentured_tdp_element is entry for one Indentured_data_list_entry

ae1633 Tdp_indentured_tdp_element is entry for many Indentured_data_list_entry objects

ae1634 Tdp_indentured_tdp_element is indentured_entry for one Data_definition_indentured_entry

ae1635 Tdp_indentured_tdp_element is indentured_entry for many Data_definition_indentured_entry objects

ae1636 Tdp_indentured_tdp_element is tdp_indentured for one Indentured_list_by_part_with_document_references_to_parts

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- ae1637 Tdp_indentured_tdp_element is tdp_indentured for many Indentured_list_by_part_with_document_references_to_parts objects
- ae1638 Tdp_indentured_tdp_element is tdp_indentured_tdp_elements for one Indentured_list_by_document
- ae1639 Tdp_indentured_tdp_element is tdp_indentured_tdp_elements for many Indentured_list_by_document objects

4.1.152 Time

- ae1640 Time
- ae1641 Time with hour
- ae1642 Time with minute not present
- ae1643 Time with minute
- ae1644 Time with second not present
- ae1645 Time with second
- ae1646 Time with zone
- ae1647 Time is specific_time for one Date
- ae1648 Time is specific_time for many Date objects

4.1.153 Volume

- ae1649 Volume
- ae1650 Volume has a_value of one Number_with_units
- ae1651 Volume is value for one Quantity
- ae1652 Volume is value for many Quantity objects

4.1.154 Weight

- ae1653 Weight
- ae1654 Weight with a_value
- ae1655 Weight with derivation_method not present
- ae1656 Weight with derivation_method = calculated
- ae1657 Weight with derivation_method = estimated
- ae1658 Weight with derivation_method = weighed
- ae1659 Weight with unit_of_measure
- ae1660 Weight is item_weight for one Item
- ae1661 Weight is item_weight for many Item objects
- ae1662 Weight is value for one Quantity
- ae1663 Weight is value for many Quantity objects

4.2 AIM test purposes

Test purposes are implicitly derived from the AP AIM EXPRESS, and are not explicitly documented here. AIM test purposes are implicitly derived from the expanded EXPRESS listing contained in annex A of ISO 10303-232 as follows:

- AIM entity data types. A test purpose derived from an AIM entity data type is a simple statement of the entity data type name.

- AIM entity attributes. A test purpose derived from an AIM entity attribute is a statement of the AIM entity data type with a given attribute.

AIM test purposes shall be interpreted as given in the following statement: the postprocessor shall accept the input in accordance with the AIM EXPRESS structure corresponding to this test purpose. This implies that the semantics of the application element represented by the AIM element are preserved by the IUT between the input and output of a test according to the reference path specified in the mapping table of the AP. This also implies no violations of any constraints (local rules or global rules) that apply to the AIM element. AIM test purposes apply to the input specifications of postprocessor test cases only.

4.3 Implementation method test purposes

The following test purpose is derived from requirements in ISO 10303-21 and applies to preprocessors only.

other1 The IUT correctly encodes the AIM schema name in the exchange structure.

The following test purposes are derived from requirements in ISO 10303-21 and apply to postprocessors only.

other2 The IUT interprets the ISO 10303-21 header section present in the exchange structure.

other3 The IUT interprets the ISO 10303-21 SCOPE and EXPORT constructs present in the exchange structure.

other4 The IUT interprets the ISO 10303-21 user-defined entity constructs present in the exchange structure.

other5 The IUT interprets various representations of numbers present in the exchange structure in accordance with ISO 10303-21.

other6 The IUT interprets various sequences of symbols present in the exchange structure in accordance with ISO 10303-21.

4.4 Domain test purposes

The following test purposes are intended to test for alternative mappings for application elements that are specified in ISO 10303-232, clause 5.1 (mapping table). The test purposes apply to both preprocessors and postprocessors.

other7 Alternate_item that is a substitute with no concern for whether the item or the substitute is used in an assembly context.

other8 Alternate_item that is a substitute with concern for whether the item or the substitute is used in an assembly context.

other9 Alternate_item that is an alternate with one-for-one substitution and that allows for two-way substitution in a particular assembly context.

other10 Approval with a single person signoff.

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- other11 Approval with a multiple person signoff using AIM ENTITY approval_relationship.
- other12 Change_identification with a single issue or sequence value.
- other13 Change_identification with explicit relationships between many issue or sequence values using AIM ENTITY product_definition_formation_relationship.
- other14 Change_identification with revision_level specified for an Item or a Tdp_element.
- other15 Change_identification with revision_level specified for a File.
- other16 Company_code with both type_of_code and code_administrator not present.
- other17 Company_code with one of: more than one code or type_of_code or code_administrator.
- other18 Configuration with preparing_contracts applied to a document representation.
- other19 Configuration with preparing_contracts applied to a version of an item or a version of a document.
- other20 Configuration with end_item_system_designation when the Configuration is for an item/part.
- other21 Configuration with end_item_system_designation when the Configuration is for a group of product data/document and the usage context within the configuration item is required.
- other22 Configuration with end_item_system_designation when the Configuration is for a group of product data/document but the usage context within the configuration item is not required.
- other23 Data_definition_entry_item with entry_files that is managed through the item.
- other24 Data_definition_entry_item with entry_files that is just referenced by the item.
- other25 Data_definition_entry_item with entry_files that defines the shape the item.
- other26 Data_list_entry that is an AP 232 identified drawing, externally defined drawing, AP 232 identified sheet, externally defined sheet, Other_list, Parts_list, Product_data_set, Data_list or Reference_document.
- other27 Data_list_entry that is an AP 202 defined drawing.
- other28 Data_list_entry that is an AP 202 defined sheet.
- other29 Drawing that is identified within AP 232.
- other30 Drawing that is identified as an AP 201 or AP 202 exchange within an AP 232 exchange.
- other31 Drawing and Sheet that are identified within AP 232.
- other32 Drawing that is identified within AP 232 and Sheet that is identified as an AP 201 or AP 202 exchange within an AP 232 exchange.
- other33 Drawing that is defined as an AP 201 or AP202 exchange and the Sheet is identified within AP 232.

other34 Effectivity for a part when the next higher part is known.

other35 Effectivity for a part when the next higher part is not known.

other36 Foreign_defined_item is component_of for an Item_list that is an assembly where the Foreign_defined_item is identified on the assembly drawing but not defined there.

other37 Foreign_defined_item is component_of for an Item_list that is not an assembly and the Foreign_defined_item is just a member of the group of parts listed on the Item_list for some business reason.

other38 Item with conditions_defined_through_constrained_document with multiple constraint parameters that are applied together.

other39 Item with conditions_defined_through_constrained_document with a single constraint parameter applied independently.

other40 Item_identification with alternate_identifications for version to version identification such as for supplied parts.

other41 Item_identification with alternate_identifications that is not version dependent.

other42 Item_list for a part or assembly and does not identify the drawing or document that the part or assembly is represented on.

other43 Item_list for a part or assembly and the Item_list_drawing is identified for the part or assembly.

other44 Item_list is for an Item_list_drawing and no part or assembly is identified on the Item_list_drawing.

other45 Item_usage is component_of for an Item_list that is for a part or assembly.

other46 Item_usage is component_of for an Item_list that is for an Item_list_drawing and no part or assembly is identified on the Item_list_drawing.

other47 Item_usage is interchange_item for an Alternate_item.

other48 List_item_usage in which the Item_usage is component_of for an Item_list that is for a part or assembly.

other49 List_item_usage in which the Item_usage is component_of for an Item_list_drawing and no part or assembly is identified on the Item_list_drawing.

other50 Locally_defined_item is component_of for an Item_list that is an assembly where the Locally_defined_item is identified on the assembly drawing but not defined there. The component part is defined on another drawing.

other51 Locally_defined_item is component_of for an Item_list that is an assembly where the Locally_defined_item is identified and defined on the assembly drawing.

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other52 Locally_defined_item is component_of for an Item_list that is not an assembly and the Locally_defined_item is just a member of the group of parts listed on the Item_list for some business reason.

other53 Product_presentation as a general capability.

other54 Product_presentation for use with AIC 517.

other55 Shape_model as edge_based_wireframe_shape_representation.

other56 Shape_model as shell_based_wireframe_shape_representation.

other57 Shape_model as geometrically_bounded_2d_wireframe_shape_representation.

other58 Shape_model as geometrically_bounded_surface_shape_representation.

other59 Shape_model as non-manifold_surface_shape_representation.

other60 Shape_model as manifold_surface_shape_representation.

other61 Shape_model as geometrically_bounded_wireframe_surface_shape_representation.

other62 Shape_model as advanced_face.

other63 Shape_model as faceted_brep_shape_representation.

other64 Shape_model as elementary_brep_shape_representation.

other65 Shape_model as advanced_brep_shape_representation.

other66 Shape_model as csg_shape_representation.

other67 Shape_model as shape_representation.

other68 Sheet that is identified within AP 232.

other69 Sheet that is defined as an AP 202 exchange within the same file.

other70 System_declaration when system_operating_system, creating_interface, and system_related_element_identifier are needed.

other71 System_declaration when system_operating_system, creating_interface, and system_related_element_identifier are not needed.

other72 Weight expressed in SI units.

other73 Weight not expressed in SI units.

5 General test purposes and verdict criteria

General test purposes are statements of requirements that apply to all abstract test cases, all preprocessor abstract test cases, or all postprocessor abstract test cases. General verdict criteria are the means for evaluating whether the general test purposes are met. General verdict criteria shall be evaluated as a part of every executable test case to which they apply. Each general verdict criterion includes a reference to its associated test purpose.

5.1 General test purposes

The following are the general test purposes for this part of ISO 10303:

g1 The output of an IUT shall preserve all the semantics defined by the input model according to the reference paths specified in the mapping table defined in clause 5 of ISO 10303-232.

g2 The output of a preprocessor shall conform to the implementation method to which the IUT claims conformance.

g3 The instances in the output of a preprocessor shall be encoded according to the AIM EXPRESS long form and mapping table as defined in Annex A and clause 5 of ISO 10303-232.

g4 A postprocessor shall accept input data which is encoded according to the implementation method to which the IUT claims conformance.

g5 A postprocessor shall accept input data structured according to the AIM EXPRESS long form and the mapping table as defined in clause 5 of ISO 10303-232.

5.2 General verdict criteria for all abstract test cases

The following verdict criteria apply to all abstract test cases contained in this part of ISO 10303:

gvc1 The semantics of the input model are preserved in the output of the IUT according to the reference paths specified in the mapping table defined in ISO 10303-232, clause 5 (g1).

5.3 General verdict criteria for preprocessor abstract test cases

The following verdict criteria apply to all preprocessor abstract test cases contained in this part of ISO 10303:

gvc2 The output of a preprocessor conforms to the implementation method to which the IUT claims conformance (g2).

gvc3 The instances in the output of a preprocessor are encoded according to the AIM EXPRESS long form and mapping table defined in ISO 10303-232, Annex A and 5.1 (g3).

5.4 General verdict criteria for postprocessor abstract test cases

The following verdict criteria apply to all postprocessor abstract test cases contained in this part of ISO 10303:

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gvc4 The postprocessor accepts input data that is encoded according to the implementation method to which the IUT claims conformance (g4).

gvc5 The postprocessor accepts input data that is structured according to the AIM EXPRESS long form and mapping table defined in ISO 10303-232, Annex A and 5.1 (g5).

6 Abstract test cases

NOTE 1 Portions of this clause have been written in accordance with the Guidelines for the development of abstract test suites [1].

This clause specifies the abstract test cases for this part of ISO 10303. Each abstract test case addresses one or more test purposes from clause 4. All the test purposes addressed by the test case are referenced either explicitly, in the test purposes covered sections, or indirectly, through the verdicted rows of the preprocessor input specification table.

The abstract test cases are organized by conformance class of ISO 10303-232. The title for an abstract test case signifies the type of TDP element (document) that is being tested and, in some cases, an indication of a particular condition that is being tested within the type of document. All abstract test case names are unique within this part of ISO 10303.

Each abstract test case has a subclause for the preprocessor test information and a subclause for each postprocessor input specification and related test information. The preprocessor and postprocessor input specifications are mirror images of each other: they represent the same semantic information. The preprocessor input model is presented in the form of a table with five columns:

- The Id column contains an identifier for the application element instantiated in a particular row. The identifier may be referenced as the value of an application assertion. The identifier is the same as the test purpose associated with the application element in that row of the table.
- The V column specifies whether or not the element in that row of the table is assigned a verdict in this test case. A blank indicates it is not assigned a verdict in this test case. A '*' indicates that it is assigned a verdict using a derived verdict criterion. The derived verdict criteria determine whether the semantics associated with the application element are preserved in the output of the IUT according to the reference paths specified in the mapping table defined in ISO 10303-332, 5.1. A number in the V column references a specific verdict criterion defined in the verdict criteria section that follows the preprocessor input specification table.

NOTE 2 Inverse test purposes of the form <application_object_1> is <role_name> for <application_object_2> are assigned a verdict at most one time in any test case. The convention used in this ATS is to assign a verdict the first time that such an application element occurs in the test case and not to assign a verdict (i.e., leaving the V column blank) the second and subsequent times that the application element occurs.

EXAMPLE In test case 4UoF_PL1, two instances of application object Design_authority occur and in both of these instances the inverse application element Element_identification to Design_authority (design_activities) also occurs. Only the first of these application element instances is assigned a verdict, as indicated by the '*' in the V column.

- The Application Elements column identifies the particular application element instance that is being defined by the table. For assertions the role is specified in parenthesis.

- The Value column specifies a specific value for the application element. For application objects and attributes the value column defines the semantic value for that element's instance in the input model. A "#<number>" in the column is a reference to an entity instance name in the postprocessor input specification where the corresponding value is specified. For assertions, this column holds a link to the related application object. A "<not_present>" indicates that the application element is not present in the input model.

NOTE 3 In some cases conditions specified in the mapping table require that more than one value be specified in the Value column. For example, in addition to the AIM element that provides the primary mapping for an application object, additional AIM elements and specific values for attributes of the AIM elements must be present in order to fully represent the application object. In such cases, additional "#<number>" values are specified in the Value column, along with any required attribute values, to refer to the entity instances in the postprocessor input specification.

NOTE 4 In the case of assertions, the mapping table may also specify constraints that take the form of additional AIM elements and values for attributes that must be present. In such cases, in addition to the link to the related application object, "#<number>" values are specified in the Value column, along with the required attribute values, to refer to the entity instances in the postprocessor input specification.

- The Req column specifies whether the value in the Value column is mandatory (M), suggested (S) or constrained (C<n>) where 'n' is an integer referencing a note that follows the table. A suggested value may be changed by a test realiser. A mandatory value may not be changed due to rules in EXPRESS, rules in the mapping table, or the requirements of the test purpose being assigned a verdict. Each constrained value references a note labelled C<number> at the end of the preprocessor input model table and may be modified according to specific constraints specified in it.

The postprocessor input specifications are defined using ISO 10303-21. The values in the postprocessor specifications are suggested unless declared mandatory or constrained by the preprocessor input table.

The abstract test case specifies all the verdict criteria that are used to assign a verdict during testing. Special verdict criteria for preprocessor and postprocessor testing are defined explicitly in each abstract test case subclause. The relevant derived verdict criteria for preprocessor and postprocessor testing are identified in the V column of the preprocessor input table.

6.1 1UoF_DDE_for_files

The purpose of this test case is to test the UoF data_definition_exchange for files with the minimum of information possible. This minimal test case is constructed by selecting application element Data_definition_exchange and including all related, nonoptional application elements. Data_definition_exchange for files is constructed by selecting Simple_list_of_files from the data_definition_exchange_list_method SELECT.

NOTE 1 The method of constructing a minimal test requires application object Configuration which itself has no required attributes. However, one of the optional attribute must be present. This test case has chosen optional attribute preparing_contracts and related application object Contract.

NOTE 2 See Figure E.1 for an instance diagram of the application elements.

6.1.1 Preprocessor

6.1.1.1 Test purposes covered

In the preprocessor input specification table of this test case, the numbers in the Id column (ignoring the part beyond the decimal point, if any), whose rows are not empty in the V column identify the AE test purposes that are covered by this test case.

The following general test purposes are covered: g1, g2, and g3.

The following other test purposes are covered: other1 and other19.

6.1.1.2 Input specification

Table 1 – Application elements for 1UoF_DDE_for_files

Id	V	Application Elements	Value	Req
@134	*	Company	#10	M
@135	*	Company.address	<not_present>	M
@137	*	Company.name	#10, 'The Errorspace Company'	S
@144	*	Design_authority to Company (design_activity_identification)	@445	M
@164	*	Configuration	#11	M
@165	*	Configuration.data_usage_rights	<not_present>	M
@167	*	Configuration to Distribution_notice (distribution_authorizations)	<not_present>	M
@170	*	Configuration to Product_configuration (end_item_system_designation)	<not_present>	M
@173	*	Configuration to Contract (preparing_contracts)	@189, #21, #22, #24, 'preparing contract'	M
@175	*	Configuration to Release_authentication (release_authorizations)	<not_present>	M
@178	*	Configuration to Security_classification (security_identifications)	<not_present>	M
@181	*	Header_configuration_with_element_identification to Configuration (data_configuration)	@722	M
@189	*	Contract	#19	M
@190	*	Contract.contract_number	#19, 'cn1'	S

Table 1 – Application elements for 1UoF_DDE_for_files (continued)

Id	V	Application Elements	Value	Req
@191	*	Contract.contract_data_requirements	<not_present>	M
@193	*	Contract.data_item_description_identification	<not_present>	M
@197	*	Configuration to Contract (preparing_contracts)	@173	M
@293	*	Data_definition_exchange	#26, #27, #28, 'document', #30, #29, 'data definition exchange'	M
@294	*	Data_definition_exchange to Data_definition_exchange_body (list_body)	@298	M
@295	*	Data_definition_exchange to Data_definition_exchange_header (list_header)	@309	M
@296	*	Data_definition_exchange to List_presentation (presentation)	<not_present>	M
@298	*	Data_definition_exchange_body	#35, 'data definition exchange content'	M
@301	*	Data_definition_exchange_body to Simple_list_of_files (list_method)	@1411, #31, #32, #33, 'configuration controlled document definition'	M
@302	*	Data_definition_exchange_body to Notation (notes_list)	<not_present>	M
@305	*	Data_definition_exchange_body to Revision (revision_history)	<not_present>	M
@308	*	Data_definition_exchange to Data_definition_exchange_body (list_body)	@294	M
@309	*	Data_definition_exchange_header	#11, 'data definition exchange header'	M
@310	*	Data_definition_exchange_header to Header (common_header)	@688	M
@311	*	Data_definition_exchange_header to Date (date_of_transfer)	<not_present>	M
@313	*	Data_definition_exchange_header to Delivery_accounting (delivery_accounting_references)	<not_present>	M
@316	*	Data_definition_exchange_header to System_destination (destinations)	<not_present>	M

Table 1 – Application elements for 1UoF_DDE_for_files (continued)

Id	V	Application Elements	Value	Req
@319	*	Data_definition_exchange_header to Reason (exchange_reason)	@1265	M
@320	*	Data_definition_exchange_header to identification_select (procurement_references)	<not_present>	M
@325	*	Data_definition_exchange to Data_definition_exchange_header (list_header)	@295	M
@444	*	Design_authority	#37, #371	M
@4442	*	Design_authority.role	#38, 'id owner', #381, 'creator'	M
@445	*	Design_authority to Company (design_activity_identification)	@134	M
@446	*	Design_authority to Company_code (design_activity_code)	<not_present>	M
@448	*	Design_authority to Person (person_responsible)	<not_present>	M
@454	*	Element_identification to Design_authority (design_activities)	@509	M
@503	*	Element_identification	#26, #27, #28, 'document'	M
@504	*	Element_identification.identifying_number	#27, 'DDE-1'	S
@505	*	Element_identification.title	<not_present>	M
@507	*	Element_identification to Change_identification (change_status)	<not_present>	M
@509	*	Element_identification to Design_authority (design_activities)	@444	M
@510	*	Element_identification to Element_type (element_classifications)	<not_present>	M
@513	*	Element_identification to Other_reference_document (outstanding_changes)	<not_present>	M
@526	*	Header_configuration_with_element_identification to Element_identification (identification)	@723	M
@627	*	File (as Exchange_file)	#39, #12, 'exchange entry property'	M
@629	*	File.context_file_name	<not_present>	M
@632	*	File.native_format_file_name	#39, 'AbsoluteMinimumPL.stp'	S

Table 1 – Application elements for 1UoF_DDE_for_files (continued)

Id	V	Application Elements	Value	Req
@633	*	File to Change_identification (change_status)	<not_present>	M
@635	*	File to File_format(context_file_format)	<not_present>	M
@637	*	File to Distribution_notice (distribution_authorizations)	<not_present>	M
@640	*	File to Security_classification (security_identifications)	<not_present>	M
@643	*	File to Size_characteristics (size)	<not_present>	M
@645	*	File to System_declaration (source_system)	<not_present>	M
@558	*	Exchange_file	#39, 'exchange data file', #34, 'digital file'	M
@559	*	Exchange_file.included_in_exchange	#12, 'electronic data file characteristics', #14, #16, 'include flag', #18, 'already delivered'	M
@571	*	Exchange_file to System_declaration (destination_system)	<not_present>	M
@577	*	Simple_list_of_files to Exchange_file (file_entries)	@1414	M
@688	*	Header	#11	M
@689	*	Header.document_abstract	<not_present>	M
@691	*	Header.document_keywords	<not_present>	M
@694	*	Header.languages	<not_present>	M
@697	*	Header.sheet_count	<not_present>	M
@699	*	Header to Header_configuration_with_element_identification (header_configuration)	@721	M
@700	*	Header to Size_characteristics_full_size (size_of_sheet)	<not_present>	M
@702	*	Data_definition_exchange_header to Header (common_header)	@310	M
@721	*	Header_configuration_with_element_identification	#11	M
@722	*	Header_configuration_with_element_identification to Configuration (data_configuration)	@164	M

Table 1 – Application elements for 1UoF_DDE_for_files (concluded)

Id	V	Application Elements	Value	Req
@723	*	Header_configuration_with_element_identification to Element_identification (identification)	@503	M
@726	*	Header to Header_configuration_with_element_identification (header_configuration)	@699	M
@1265	*	Reason	#11	M
@1266	*	Reason.base	<not_present>	M
@1279	*	Reason.exchange_purpose	#13, #15, 'exchange reason', #17, ('exchange purpose', 'ABSTRACT TEST SUITE')	C1
@1283	*	Data_definition_exchange_header to Reason (exchange_reason)	@319	M
@1411	*	Simple_list_of_files	#41, #23, #25, 'list of files'	M
@1414	*	Simple_list_of_files to Exchange_file (file_entries)	@558	M
@1416	*	Data_definition_exchange_body to Simple_list_of_files (list_method)	@301	M

6.1.1.3 Verdict criteria

The following general verdict criteria apply: gvc1, gvc2, and gvc3.

The verdict criteria derivable from the application elements with non-blank entries in the V column of the preprocessor input specification table apply.

The following preprocessor-specific verdict criteria apply: none apply.

6.1.1.4 Constraints on values

The following constraints apply as referenced in the input specification table:

c1: The value 'ABSTRACT TEST SUITE' is suggested; all other attribute values are mandatory.

6.1.2 Postprocessor

6.1.2.1 Test purpose coverage

The following general test purposes are covered: g1, g4, and g5.

The following other test purposes are covered: other2, other5, and other6.

In the preprocessor input specification table of this test case, the numbers in the Id column (ignoring the part beyond the decimal point, if any) whose rows are not empty in the V column identify the AE test purposes that are covered by this test case.

6.1.2.2 Input specification

The postprocessor input specification is provided in electronic form only. See annex C.

6.1.2.3 Verdict criteria

The following general verdict criteria apply: gvc1, gvc4, and gvc5.

The verdict criteria derivable from the application elements with non-blank entries in the V column of the preprocessor input specification table apply.

The following specific verdict criteria apply: none apply.

6.2 2UoF_DDE_for_TDP_elements

The purpose of this test case is to test the UoF data_definition_exchange for TDP elements with the minimum of information possible. This minimal test case is constructed by selecting application element Data_definition_exchange and including all related, nonoptional application elements. Data_definition_exchange for TDP elements is constructed by selecting Simple_list_of_elements from the data_definition_exchange_list_method SELECT.

NOTE 1 The method of constructing a minimal test requires application object Configuration which itself has no required attributes. However, one of the optional attribute must be present. This test case has chosen optional attribute distribution_authorizations and related application object Distribution_notice.

NOTE 2 See Figure E.2 for an instance diagram of the application elements.

6.2.1 Preprocessor

6.2.1.1 Test purposes covered

In the preprocessor input specification table of this test case, the numbers in the Id column (ignoring the part beyond the decimal point, if any), whose rows are not empty in the V column identify the AE test purposes that are covered by this test case.

The following general test purposes are covered: g1, g2, and g3.

The following other test purposes are covered: other1 and other16.

6.2.1.2 Input specification

Table 2 – Application elements for 2UoF_DDE_for_TDP_elements

Id	V	Application Elements	Value	Req
@626	*	File (as Accessed_file)	#13, 'access data file', #14, 'digital'	M
@629	*	File.context_file_name	<not_present>	M
@632	*	File.native_format_file_name	#13, 'PracticalMinimumPL.stp'	S
@633	*	File to Change_identification (change_status)	<not_present>	M
@635	*	File to File_format(context_file_format)	<not_present>	M
@637	*	File to Distribution_notice (distribution_authorizations)	<not_present>	M
@640	*	File to Security_classification (security_identifications)	<not_present>	M
@643	*	File to Size_characteristics (size)	<not_present>	M
@645	*	File to System_declaration (source_system)	<not_present>	M
@1	*	Accessed_file	#13, 'access data file', #17, 'digital file'	M
@3	*	Accessed_file.path_information	#13, #12, #11, 'access context', #10, 'directory/sub_directory/'	C1
@5	*	Accessed_file.storage_node_identification	#13, #12, 'file://www.DotCom.com', #11, 'access context'	C2
@8	*	Data_definition_entry_tdp_element to Accessed_file (entry_files)	@274	M
@134	*	Company	#30	M
@135	*	Company.address	<not_present>	M
@137	*	Company.name	#30, 'The Errorspace Company'	S
@144	*	Design_authority to Company (design_activity_identification)	@445	M
@146	*	Person_and_organization to Company (organization)	@1196	M
@152	*	Company_code	#30	M
@153	*	Company_code.code	#30, 'ESC'	S

**Table 2 – Application elements for 2UoF_DDE_for_TDP_elements
(continued)**

Id	V	Application Elements	Value	Req
@154	*	Company_code.type_of_code	<not_present>	M
@156	*	Company_code to Company (code_administrator)	<not_present>	M
@158	*	Design_authority to Company_code (design_activity_code)	@447	M
@164	*	Configuration	#44	M
@165	*	Configuration.data_usage_rights	<not_present>	M
@168	*	Configuration to Distribution_notice (distribution_authorizations)	@458, #24, #27, #47, 'distribution notice'	M
@170	*	Configuration to Product_configuration (end_item_system_designation)	<not_present>	M
@172	*	Configuration to Contract (preparing_contracts)	<not_present>	M
@175	*	Configuration to Release_authentication (release_authorizations)	<not_present>	M
@178	*	Configuration to Security_classification (security_identifications)	<not_present>	M
@181	*	Header_configuration_with_element_identification to Configuration (data_configuration)	@722	M
@239	*	Data_definition_entry_tdp_element	#46, #38, 'data definition entry'	M
@240	*	Data_definition_entry_tdp_element.actual_inclusion_in_data_exchange	<not_present>	M
@253	*	Data_definition_entry_tdp_element.data_usage_rights	<not_present>	M
@255	*	Data_definition_entry_tdp_element.entry_format	<not_present>	M
@258	*	Data_definition_entry_tdp_element.entry_item_change_level	<not_present>	M
@261	*	Data_definition_entry_tdp_element.master_file	<not_present>	M
@265	*	Data_definition_entry_tdp_element to source_identification (available_from)	<not_present>	M
@270	*	Data_definition_entry_tdp_element to Delivery_accounting (delivery_accounting_references)	<not_present>	M

**Table 2 – Application elements for 2UoF_DDE_for_TDP_elements
(continued)**

Id	V	Application Elements	Value	Req
@274	*	Data_definition_entry_tdp_element to Accessed_file (entry_files)	@1	M
@278	*	Data_definition_entry_tdp_element to Notation (entry_notes)	<not_present>	M
@281	*	Data_definition_entry_tdp_element to Size_characteristics (size)	<not_present>	M
@283	*	Data_definition_entry_tdp_element to Special_conditions (special_conditions)	<not_present>	M
@286	*	Data_definition_entry_tdp_element to Element_identification (superseded_entry)	<not_present>	M
@289	*	Data_definition_exchange_simple_entry to Data_definition_entry_tdp_element (entry)	@327	M
@293	*	Data_definition_exchange	#32, #39, #41, 'document', #43, #42, 'data definition exchange'	M
@294	*	Data_definition_exchange to Data_definition_exchange_body (list_body)	@298	M
@295	*	Data_definition_exchange to Data_definition_exchange_header (list_header)	@309	M
@296	*	Data_definition_exchange to List_presentation (presentation)	<not_present>	M
@298	*	Data_definition_exchange_body	#44, 'data definition exchange content'	M
@300	*	Data_definition_exchange_body to Simple_list_of_elements (list_method)	@1406, #19, #18, #16, 'configuration controlled document definition'	M
@302	*	Data_definition_exchange_body to Notation (notes_list)	<not_present>	M
@305	*	Data_definition_exchange_body to Revision (revision_history)	<not_present>	M
@308	*	Data_definition_exchange to Data_definition_exchange_body (list_body)	@294	M
@309	*	Data_definition_exchange_header	#45, 'data definition exchange header'	M

**Table 2 – Application elements for 2UoF_DDE_for_TDP_elements
(continued)**

Id	V	Application Elements	Value	Req
@310	*	Data_definition_exchange_header to Header (common_header)	@688	M
@311	*	Data_definition_exchange_header to Date (date_of_transfer)	<not_present>	M
@313	*	Data_definition_exchange_header to Delivery_accounting (delivery_accounting_references)	<not_present>	M
@316	*	Data_definition_exchange_header to System_destination (destinations)	<not_present>	M
@319	*	Data_definition_exchange_header to Reason (exchange_reason)	@1265	M
@320	*	Data_definition_exchange_header to identification_select (procurement_references)	<not_present>	M
@325	*	Data_definition_exchange to Data_definition_exchange_header (list_header)	@295	M
@326	*	Data_definition_exchange_simple_entry	#33, #40, #41, 'document'	M
@327	*	Data_definition_exchange_simple_entry to Data_definition_entry_tdp_element (entry)	@239	M
@328	*	Data_definition_exchange_simple_entry to Element_identification (simple_entry)	@503.2	M
@329	*	Simple_list_of_elements to Data_definition_exchange_simple_entry (element_entries)	@1407	M
@444	*	Design_authority	#29, #291	M
@4442	*	Design_authority.role	#31, 'id owner', #311, 'creator'	M
@445	*	Design_authority to Company (design_activity_identification)	@134	M
@447	*	Design_authority to Company_code (design_activity_code)	@152	M
@448	*	Design_authority to Person (person_responsible)	<not_present>	M
@455	*	Element_identification to Design_authority (design_activities)	@509.1, @509.2	M
@458	*	Distribution_notice	#22	M

**Table 2 – Application elements for 2UoF_DDE_for_TDP_elements
(continued)**

Id	V	Application Elements	Value	Req
@459	*	Distribution_notice.distribution_code	<not_present>	M
@461	*	Distribution_notice.distribution_statement	<not_present>	M
@464	*	Distribution_notice to Person_and_organization (distribution_authority)	@1190, #22, #23, 'distribution authorization'	M
@465	*	Configuration to Distribution_notice (distribution_authorizations)	@168	M
@503.1	*	Element_identification	#32, #39, #41, 'document'	M
@504.1	*	Element_identification.identifying_number	#39, 'DDE-2'	S
@505	*	Element_identification.title	<not_present>	M
@507	*	Element_identification to Change_identification (change_status)	<not_present>	M
@509.1	*	Element_identification to Design_authority (design_activities)	@444	M
@510	*	Element_identification to Element_type (element_classifications)	<not_present>	M
@513	*	Element_identification to Other_reference_document (outstanding_changes)	<not_present>	M
@526	*	Header_configuration_with_element_identification to Element_identification (identification)	@723	M
@503.2	*	Element_identification	#33, #40, #41, 'document'	M
@504.2	*	Element_identification.identifying_number	#40, 'ABS-MIN-PL-1'	S
@509.2	*	Element_identification to Design_authority (design_activities)	@444	M
@540	*	Data_definition_exchange_simple_entry to Element_identification (simple_entry)	@328	M
@688	*	Header	#45	M
@689	*	Header.document_abstract	<not_present>	M
@691	*	Header.document_keywords	<not_present>	M
@694	*	Header.languages	<not_present>	M
@697	*	Header.sheet_count	<not_present>	M

**Table 2 – Application elements for 2UoF_DDE_for_TDP_elements
(continued)**

Id	V	Application Elements	Value	Req
@699	*	Header to Header_configuration_with_element_identification (header_configuration)	@721	M
@700	*	Header to Size_characteristics_full_size (size_of_sheet)	<not_present>	M
@702	*	Data_definition_exchange_header to Header (common_header)	@310	M
@721	*	Header_configuration_with_element_identification	#43	M
@722	*	Header_configuration_with_element_identification to Configuration (data_configuration)	@164	M
@723	*	Header_configuration_with_element_identification to Element_identification (identification)	@503	M
@726	*	Header to Header_configuration_with_element_identification (header_configuration)	@699	M
@1190	*	Person_and_organization	#22	M
@1191	*	Person_and_organization.electronic_mail_address	<not_present>	M
@1193	*	Person_and_organization.person_address	<not_present>	M
@1196	*	Person_and_organization to Company (organization)	@134	M
@1197	*	Person_and_organization to Person (person_identification)	<not_present>	Mj
@1199	*	Distribution_notice to Person_and_organization (distribution_authority)	@464	M
@1265	*	Reason	#45	M
@1266	*	Reason.base	<not_present>	M
@1279	*	Reason.exchange_purpose	#49, #50, 'exchange reason', #52, ('exchange purpose', 'ABSTRACT TEST SUITE')	C3
@1283	*	Data_definition_exchange_header to Reason (exchange_reason)	@319	M

**Table 2 – Application elements for 2UoF_DDE_for_TDP_elements
(concluded)**

Id	V	Application Elements	Value	Req
@1406	*	Simple_list_of_elements	#15, #28, #48, 'list of elements'	M
@1407	*	Simple_list_of_elements to Data_definition_exchange_simple_entry (element_entries)	@326	M
@1409	*	Data_definition_exchange_body to Simple_list_of_elements (list_method)	@300	M

6.2.1.3 Verdict criteria

The following general verdict criteria apply: gvc1, gvc2, and gvc3.

The verdict criteria derivable from the application elements with non-blank entries in the V column of the preprocessor input specification table apply.

The following preprocessor-specific verdict criteria apply: none apply.

6.2.1.4 Constraints on values

The following constraints apply as referenced in the input specification table:

- c1: The value 'directory/sub_directory' is suggested; all other attribute values are mandatory.
- c2: The value 'file://www.DotCom.com' is suggested; all other attribute values are mandatory.
- c3: The value 'ABSTRACT TEST SUITE' is suggested; all other attribute values are mandatory.

6.2.2 Postprocessor

6.2.2.1 Test purpose coverage

The following general test purposes are covered: g1, g4, and g5.

The following other test purposes are covered: other2, other5, and other6.

In the preprocessor input specification table of this test case, the numbers in the Id column (ignoring the part beyond the decimal point, if any) whose rows are not empty in the V column identify the AE test purposes that are covered by this test case.

6.2.2.2 Input specification

The postprocessor input specification is provided in electronic form only. See annex C.

6.2.2.3 Verdict criteria

The following general verdict criteria apply: gvc1, gvc4, and gvc5.

The verdict criteria derivable from the application elements with non-blank entries in the V column of the preprocessor input specification table apply.

The following specific verdict criteria apply: none apply.

6.3 4UoF_PL1

The purpose of this test case is to create a minimal parts list that identifies the parts list document and the part that is the subject of the document using application objects `Parts_list` and `Tdp_element_and_item_association` and their related, nonoptional application elements. The part has no component parts in its list, so the Parts List serves only to identify the configuration of the part.

NOTE 1 The method of constructing a minimal test requires application object Configuration which itself has no required attributes. However, one of the optional attribute must be present. This test case has chosen optional attribute `release_authorizations` and related application object `Release_authentication`.

NOTE 2 This test case is a combination of the PDM Implementor Forum [3] Test Cases *pid1*, Minimum Part Master Identification, and *did2*, Document Master Identification in the AP232 UoF Parts List.

NOTE 3 See Figures E.3 and E.4 for instance diagrams of the application elements.

6.3.1 Preprocessor

6.3.1.1 Test purposes covered

In the preprocessor input specification table of this test case, the numbers in the Id column (ignoring the part beyond the decimal point, if any), whose rows are not empty in the V column identify the AE test purposes that are covered by this test case.

The following general test purposes are covered: g1, g2, and g3.

The following other test purposes are covered: other1, other14, and other42.

6.3.1.2 Input specification

Table 3 – Application elements for 4UoF_PL1

Id	V	Application Elements	Value	Req
@84.1	*	Change_identification	#10, 'change identification'	M
@90.1	*	Change_identification.change_code	#10, 'revision'	M
@92	*	Change_identification.change_description	<not_present>	M
@94	*	Change_identification.change_level	<not_present>	M
@96	*	Change_identification.issue_level	<not_present>	M

Table 3 – Application elements for 4UoFPL1 (continued)

Id	V	Application Elements	Value	Req
@99	*	Change_identification. revision_authorization_identifications	#17, '123-456'	S
@101	*	Change_identification.revision_description	<not_present>	M
@103.1	*	Change_identification.revision_level	#13, 'change identification level', #15, ('revision', 'A'), #18, #20, #25, 'change identification', #41, 'A'	C1
@105	*	Change_identification to Status (action_status)	<not_present>	M
@107	*	Change_identification to Date (change_date)	<not_present>	M
@109	*	Change_identification to Date (issue_date)	<not_present>	M
@113	*	Change_identification to Date (revision_date)	<not_present>	M
@119	*	Element_identification to Change_identification (change_status)	@508	M
@84.2	*	Change_identification	#11, 'change identification'	M
@90.2	*	Change_identification.change_code	#11, 'revision'	M
@103.2	*	Change_identification.revision_level	#14, 'change identification level', #16, ('revision', 'A'), #19, #21, #25, 'change identification', #42, 'A'	C1
@111	*	Change_identification to Other_reference_document (revision_authorization_identifications)	@1119, #28, #24, #27, 'revision authorization identification', #29	M
@123	*	Item_identification to Change_identification (change)	@878	M
@134.1	*	Company	#32	M
@135	*	Company.address	<not_present>	M
@137.1	*	Company.name	#32, 'New Ventures, Inc.'	S
@144.1	*	Design_authority to Company (design_activity_identification)	@445.1	M
@148	*	Release_authentication to Company (release_authority)	@1321	M
@134.2	*	Company	#33	M

Table 3 – Application elements for 4UoFPL1 (continued)

Id	V	Application Elements	Value	Req
@137.2	*	Company.name	#33, 'New Ventures, Inc.'	S
@144.2	*	Design_authority to Company (design_activity_identification)	@445.2	M
@152	*	Company_code	#32	M
@153	*	Company_code.code	#34, '99999'	S
@155	*	Company_code.type_of_code	#35, ('alias id', 'CAGE')	M
@156	*	Company_code to Company (code_administrator)	<not_present>	M
@158	*	Design_authority to Company_code (design_activity_code)	@447	M
@164	*	Configuration	#36	M
@165	*	Configuration.data_usage_rights	<not_present>	M
@167	*	Configuration to Distribution_notice (distribution_authorizations)	<not_present>	M
@170	*	Configuration to Product_configuration (end_item_system_designation)	<not_present>	M
@172	*	Configuration to Contract (preparing_contracts)	<not_present>	M
@176	*	Configuration to Release_authentication (release_authorizations)	@1317, #37, #22, #26, 'release authentication'	M
@178	*	Configuration to Security_classification (security_identifications)	<not_present>	M
@181	*	Header_configuration_with_element_identification to Configuration (data_configuration)	@722	M
@397	*	Date	#38	M
@399	*	Date.day	#38, 21	S
@401	*	Date.month	#38, 12	S
@402	*	Date.week	<not_present>	M
@404	*	Date.year	#38, 2000	S
@405	*	Date to Time (specific_time)	<not_present>	M
@423	*	Release_authentication to Date (release_date)	@1324	M
@444.1	*	Design_authority	#39, #391	M

Table 3 – Application elements for 4UoFPL1 (continued)

Id	V	Application Elements	Value	Req
@4442	*	Design_authority.role	#40, 'id owner', #401, 'creator'	M
@445.1	*	Design_authority to Company (design_activity_identification)	@134.1	M
@447	*	Design_authority to Company_code (design_activity_code)	@152	M
@448	*	Design_authority to Person (person_responsible)	<not_present>	M
@454	*	Element_identification to Design_authority (design_activities)	@509.1	M
@444.2	*	Design_authority	#81, #811	M
@4442		Design_authority.role	#82, 'id owner', #821, 'creator'	M
@445.2	*	Design_authority to Company (design_activity_identification)	@134.2	M
@446	*	Design_authority to Company_code (design_activity_code)	<not_present>	M
@449	*	Design_authority to Person (person_responsible)	@1172	M
@454		Element_identification to Design_authority (design_activities)	@509.2	M
@456	*	Item_identification to Design_authority (design_activity)	@882	M
@503.1	*	Element_identification	#41, #44, #47, 'document'	M
@504.1	*	Element_identification.identifying_number	#44, 'doc_4711'	S
@506	*	Element_identification.title	#44, 'packaging guide'	S
@5061	*	Element_identification to Alternate_element_identification (alternate_identifications)	<not_present>	M
@508	*	Element_identification to Change_identification (change_status)	@84.1, #18, #20, #25, 'change identification'	M
@509.1	*	Element_identification to Design_authority (design_activities)	@444.1	M
@510	*	Element_identification to Element_type (element_classifications)	<not_present>	M
@513	*	Element_identification to Other_reference_document (outstanding_changes)	<not_present>	M

Table 3 – Application elements for 4UoFPL1 (continued)

Id	V	Application Elements	Value	Req
@526	*	Header_configuration_with_element_identification to Element_identification (identification)	@723	M
@503.2	*	Element_identification	#43, #46, #47, 'document'	M
@504.2	*	Element_identification.identifying_number	#46, '95000'	S
@505	*	Element_identification.title	<not_present>	M
@507	*	Element_identification to Change_identification (change_status)	<not_present>	M
@509.2	*	Element_identification to Design_authority (design_activities)	@444.2	M
@511	*	Element_identification to Element_type (element_classifications)	@550	M
@520	*	Other_reference_document to Element_identification (document_identification)	@1288	M
@550	*	Element_type	#52	M
@551	*	Element_type.element_code	#52, 'PRR'	S
@553	*	Element_type.type_of_coding_scheme	#52, 'Change Type'	S
@554	*	Element_type to Company (code_administrator)	<not_present>	M
@558	*	Element_identification to Element_type (element_classifications)	@511	M
@688	*	Header	#36	M
@689	*	Header.document_abstract	<not_present>	M
@691	*	Header.document_keywords	<not_present>	M
@694	*	Header.languages	<not_present>	M
@697	*	Header.sheet_count	<not_present>	M
@699	*	Header to Header_configuration_with_element_identification (header_configuration)	@721	M
@700	*	Header to Size_characteristics_full_size (size_of_sheet)	<not_present>	M
@705	*	Parts_list_header to Header (common_header)	@1170	M
@721	*	Header_configuration_with_element_identification	#36	M

Table 3 – Application elements for 4UoFPL1 (continued)

Id	V	Application Elements	Value	Req
@722	*	Header_configuration_with_element_identification to Configuration (data_configuration)	@164	M
@723	*	Header_configuration_with_element_identification to Element_identification (identification)	@503.1	M
@726	*	Header to Header_configuration_with_element_identification (header_configuration)	@699	M
@837.1	*	Item	#60	M
@839	*	Item.item_contexts	#42, #45, #58, 'Production'	S
@841	*	Item to Alternate_item (alternates)	<not_present>	M
@844	*	Item to Reference_document_usage (conditions_defined_through_constrained_document)	<not_present>	M
@847	*	Item to Reference_document (conditions_defined_through_simple_reference)	<not_present>	M
@850.1	*	Item to Item_identification (identification)	@869	M
@851	*	Item to Configuration (item_configuration)	<not_present>	M
@853	*	Item to Weight (item_weight)	<not_present>	M
@855	*	Item to Notation (notes)	<not_present>	M
@858	*	Item to Special_condition (special_conditions)	<not_present>	M
@867	*	Tdp_element_and_item_association to Item (related_item)	@1598	M
@837.2	*	Item	#601	M
@838	*	Item.item_contexts	<not_present>	M
@850.2	*	Item to Item_identification (identification)	@869	M
@861	*	Item_usage to Item (being_defined_for)	@956	M
@869	*	Item_identification	#42	M
@870	*	Item_identification.identifying_number	#42, #45, '11111'	S
@873	*	Item_identification.nomenclature_or_name	#42, #45, 'Solid Cube'	S

Table 3 – Application elements for 4UoFPL1 (continued)

Id	V	Application Elements	Value	Req
@874	*	Item_identification to Alternate_identification_of_item (alternate_identifications)	<not_present>	M
@878	*	Item_identification to Change_identification (change)	@84.2, #19, #21, #25, 'change identification'	M
@881	*	Item_identification to Item_type (classifications)	@945.1, @945.2	M
@882	*	Item_identification to Design_authority (design_activity)	@444.2	M
@883	*	Item_identification to Source_information_type (source_information)	<not_present>	M
@897	*	Item to Item_identification (identification)	@850.1, @850.2	M
@898	*	Item_list to Item_identification (list_for)	@921	M
@910	*	Item_list	#60, #65, #64, 'item list'	M
@911	*	Item_list.type_of_component_list	#72, #66, 'made from component list of one'	S
@918	*	Item_list to Item_usage (component_of)	@955	M
@921	*	Item_list to Item_identification (list_for)	@869	M
@923	*	Parts_list_body to Item_list (parts_tabulations)	@1160	M
@945.1	*	Item_type	#49	M
@946.1	*	Item_type.item_code	#49, 'part'	S
@947	*	Item_type.type_of_coding_scheme	<not_present>	M
@949	*	Item_type to Company (code_administrator)	<not_present>	M
@951.1	*	Item_identification to Item_type (classifications)	@881	M
@945.2	*	Item_type	#50	M
@946.2	*	Item_type.item_code	#50, 'detail'	S
@951.2	*	Item_identification to Item_type (classifications)	@881	M
@955	*	Item_usage (as Locally_defined_item)	#604, 'made from stock'	M
@956	*	Item_usage to Item (being_defined_for)	@837.2, #601, #603, #602, 'item in list'	M
@957	*	Item_usage to Effectivity (effective_on)	<not_present>	M

Table 3 – Application elements for 4UoFPL1 (continued)

Id	V	Application Elements	Value	Req
@959	*	Item_usage to List_item_usage (list_item)	<not_present>	M
@961	*	Item_usage to Quantity (quantity_used_in_next_higher_assembly)	<not_present>	M
@963	*	Item_usage to Retrofit_usage (retrofit)	<not_present>	M
@965	*	Item_usage to Special_conditions (special_conditions)	<not_present>	M
@968	*	Item_list to Item_usage (component_of)	@918	M
@1012	*	Locally_defined_item (as Made_from_stock_material)	#604	M
@1018	*	Made_from_stock_material	#604	M
@1285	*	Reference_document (as Other_reference_document)	#43, #46, #47, 'document', #55, #51, 'reference document'	M
@1288	*	Reference_document to Element_identification (document_identification)	@503.2	M
@1119	*	Other_reference_document	#43, #46, #47, 'document', #63, #68, #71, 'reference document'	M
@1128	*	Change_identification to Other_reference_document (revision_authorization_identifications)	@111	M
@1591	*	Tdp_element (as Associated_list)	#41, #44, #47, 'document', #53, #48, 'parts list'	M
@1595	*	Tdp_element_and_item_association to Tdp_element (related_tdp_element)	@1597	M
@71	*	Associated_list (as Parts_list)	#41, #44, #48, 'parts list'	M
@72	*	Associated_list to List_presentation (presentation)	<not_present>	M
@74	*	Associated_list to drawing_or_product_data_set (related_to)	<not_present>	M
@1153	*	Parts_list	#41, #44, #47, 'document', #53, #48, 'parts list'	M
@1154	*	Parts_list to Parts_list_body (list_body)	@1156	M
@1155	*	Parts_list to Parts_list_header (list_header)	@1169	M

Table 3 – Application elements for 4UoFPL1 (continued)

Id	V	Application Elements	Value	Req
@1156	*	Parts_list_body	#62, 'parts list body'	M
@1157	*	Parts_list_body to Notation (list_notes)	<not_present>	M
@1160	*	Parts_list_body to Item_list (parts_tabulations)	@910, #74, 'parts tabulation'	M
@1162	*	Parts_list_body to Tdp_element_list_item (referenced_tdp_elements)	<not_present>	M
@1165	*	Parts_list_body to Revision (revision_history)	<not_present>	M
@1168	*	Parts_list to Parts_list_body (list_body)	@1154	M
@1169	*	Parts_list_header	#36, 'parts list header'	M
@1170	*	Parts_list_header to Header (common_header)	@688	M
@1171	*	Parts_list to Parts_list_header (list_header)	@1155	M
@1172	*	Person	#84	M
@1174	2	Person.first_name	#84, 'Pete'	S
@1176	2	Person.last_name	#84, 'Moss'	S
@1177	*	Person.middle_name	<not_present>	M
@1179	*	Person.title	<not_present>	M
@1181	*	Person.unique_identifier	#84, '333-003'	S
@1184	*	Design_authority to Person (person_responsible)	@449	M
@1317	*	Release_authentication	#76	M
@1318	*	Release_authentication.authentication	#77, 'Approved'	S
@1319	*	Release_authentication to Person (person_responsible)	<not_present>	M
@1321	*	Release_authentication to Company (release_authority)	@134.1, #78, #79, 'release authentication'	M
@1322	*	Release_authentication to Company_code (release_authority_code)	<not_present>	M
@1324	*	Release_authentication to Date (release_date)	@397, #80, #23, #26, 'release authentication'	M
@1325	*	Configuration to Release_authentication (release_authorizations)	@176	M

Table 3 – Application elements for 4UoFPL1 (concluded)

Id	V	Application Elements	Value	Req
@1597	*	Tdp_element_and_item_association	#75	M
@1598	*	Tdp_element_and_item_association to Item (related_item)	@837.1	M
@1599	*	Tdp_element_and_item_association to Tdp_element (related_tdp_element)	@1595	M

6.3.1.3 Verdict criteria

The following general verdict criteria apply: gvc1, gvc2, and gvc3.

The verdict criteria derivable from the application elements with non-blank entries in the V column of the preprocessor input specification table apply.

The following preprocessor-specific verdict criteria apply: none apply.

6.3.1.4 Constraints on values

The following constraints apply as referenced in the input specification table:

C1: The value 'A' is suggested; all other attribute values are mandatory.

6.3.2 Postprocessor

Test purpose coverage

The following general test purposes are covered: g1, g4, and g5.

The following other test purposes are covered: other2, other5, and other6.

In the preprocessor input specification table of this test case, the numbers in the Id column (ignoring the part beyond the decimal point, if any) whose rows are not empty in the V column identify the AE test purposes that are covered by this test case.

6.3.2.1 Input specification

The postprocessor input specification is provided in electronic form only. See annex C.

6.3.2.2 Verdict criteria

The following general verdict criteria apply: gvc1, gvc4, and gvc5.

The verdict criteria derivable from the application elements with non-blank entries in the V column of the preprocessor input specification table apply.

The following specific verdict criteria apply: none apply.

6.4 4UoF_PL2

The purpose of this test case is to create a simple parts list consisting of an assembly part with a single component part.

NOTE 1 This test case is an adaptation of the PDM Implementor Form [3] Test Case *ps1*, Basic Assembly Part Structure, to the AP232 UoF Parts List.

NOTE 2 See Figures E.5 and E.6 for instance diagrams of the application elements.

6.4.1 Preprocessor

6.4.1.1 Test purposes covered

In the preprocessor input specification table of this test case, the numbers in the Id column (ignoring the part beyond the decimal point, if any), whose rows are not empty in the V column identify the AE test purposes that are covered by this test case.

The following general test purposes are covered: g1, g2, and g3.

The following other test purposes are covered: other1, other14, and other42.

6.4.1.2 Input specification

Table 4 – Application elements for 4UoF_PL2

Id	V	Application Elements	Value	Req
@84.1	*	Change_identification	#10, 'change identification'	M
@90.1	*	Change_identification.change_code	#10, 'revision'	M
@92	*	Change_identification.change_description	<not_present>	M
@94	*	Change_identification.change_level	<not_present>	M
@96	*	Change_identification.issue_level	<not_present>	M
@98	*	Change_identification. revision_authorization_identifications	<not_present>	M
@101	*	Change_identification.revision_description	<not_present>	M
@104.1	*	Change_identification.revision_level	#13, 'change identification level', #15, ('A', 'revision'), #18, #20, #25, 'change identification', #46, 'A'	C1
@105	*	Change_identification to Status (action_status)	<not_present>	M
@107	*	Change_identification to Date (change_date)	<not_present>	M
@109	*	Change_identification to Date (issue_date)	<not_present>	M

Table 4 – Application elements for 4UoFPL2 (continued)

Id	V	Application Elements	Value	Req
@113	*	Change_identification to Date (revision_date)	<not_present>	M
@119	*	Element_identification to Change_identification (change_status)	@508	M
@84.2	*	Change_identification	#11, 'change identification'	M
@90.2	*	Change_identification.change_code	#11, 'revision'	M
@104.2	*	Change_identification.revision_level	#14, 'change identification level', #16, ('A', 'revision'), #19, #21, #25, 'change identification', #48, 'A'	C1
@111	*	Change_identification to Other_reference_document (revision_authorization_identifications)	@1119, #28, #22, #26, 'revision authorization identification', #29	M
@123	*	Item_identification to Change_identification (change)	@878	M
@134.1	*	Company	#32	M
@135	*	Company.address	<not_present>	M
@137.1	*	Company.name	#32, 'New Ventures, Inc.'	S
@144.1	*	Design_authority to Company (design_activity_identification)	@445.1	M
@148	*	Release_authentication to Company (release_authority)	@1321	M
@134.2	*	Company	#33	M
@137.2	*	Company.name	#33, 'New Ventures, Inc.'	S
@144.2	*	Design_authority to Company (design_activity_identification)	@445.2	M
@134.3	*	Company	#34	M
@137.3	*	Company.name	#34, 'Supplier Industries, Inc.'	S
@144.3	*	Design_authority to Company (design_activity_identification)	@445.3	M
@152	*	Company_code	#32	M
@153	*	Company_code.code	#35, '99999'	S

Table 4 – Application elements for 4UoFPL2 (continued)

Id	V	Application Elements	Value	Req
@155	*	Company_code.type_of_code	#36, ('alias id', 'CAGE')	M
@156	*	Company_code to Company (code_administrator)	<not_present>	M
@158	*	Design_authority to Company_code (design_activity_code)	@447	M
@164	*	Configuration	#37	M
@166	*	Configuration.data_usage_rights	#38, #17, #96, 'data usage rights', #90, 'unlimited'	C2
@167	*	Configuration to Distribution_notice (distribution_authorizations)	<not_present>	M
@170	*	Configuration to Product_configuration (end_item_system_designation)	<not_present>	M
@172	*	Configuration to Contract (preparing_contracts)	<not_present>	M
@176	*	Configuration to Release_authentication (release_authorizations)	@1317, #38, #23, #27, 'release authentication'	M
@179	*	Configuration to Security_classification (security_identifications)	@1360	M
@181	*	Header_configuration_with_element_identification to Configuration (data_configuration)	@722	M
@397	*	Date	#39	M
@399	*	Date.day	#39, 21	S
@401	*	Date.month	#39, 12	S
@402	*	Date.week	<not_present>	M
@404	*	Date.year	#39, 2000	S
@405	*	Date to Time (specific_time)	<not_present>	M
@423	*	Release_authentication to Date (release_date)	@1324	M
@444.1	*	Design_authority	#40, #401	M
@4442	*	Design_authority.role	#42, 'id owner', #421, 'creator'	M
@445.1	*	Design_authority to Company (design_activity_identification)	@134.1	M
@447	*	Design_authority to Company_code (design_activity_code)	@152	M

Table 4 – Application elements for 4UoFPL2 (continued)

Id	V	Application Elements	Value	Req
@448	*	Design_authority to Person (person_responsible)	<not_present>	M
@454	*	Element_identification to Design_authority (design_activities)	@509.1	M
@444.2	*	Design_authority	#43, #431	M
@4442		Design_authority.role	#44, 'id owner', #441, 'creator'	M
@445.2	*	Design_authority to Company (design_activity_identification)	@134.2	M
@446	*	Design_authority to Company_code (design_activity_code)	<not_present>	M
@449	*	Design_authority to Person (person_responsible)	@1172	M
@454		Element_identification to Design_authority (design_activities)	@509.2	M
@456	*	Item_identification to Design_authority (design_activity)	@882.1	M
@444.3	*	Design_authority	#41, #411	M
@4442	*	Design_authority.role	#42, 'id owner', #421, 'creator'	M
@445.3	*	Design_authority to Company (design_activity_identification)	@134.3	M
@456		Item_identification to Design_authority (design_activity)	@882.2	M
@503.1	*	Element_identification	#46, #50, #54, 'document'	M
@504.1	*	Element_identification.identifying_number	#50, 'h1'	S
@506	*	Element_identification.title	#50, 'hub assembly'	S
@5061	*	Element_identification to Alternate_element_identification (alternate_identifications)	<not_present>	M
@508	*	Element_identification to Change_identification (change_status)	@84.1	M
@509.1	*	Element_identification to Design_authority (design_activities)	@444.1	M
@510	*	Element_identification to Element_type (element_classifications)	<not_present>	M

Table 4 – Application elements for 4UoFPL2 (continued)

Id	V	Application Elements	Value	Req
@513	*	Element_identification to Other_reference_document (outstanding_changes)	<not_present>	M
@526	*	Header_configuration_with_element_identification to Element_identification (identification)	@723	M
@503.2	*	Element_identification	#47, #51, #54, 'document'	M
@504.2	*	Element_identification.identifying_number	#51, '95000'	S
@505	*	Element_identification.title	<not_present>	M
@507	*	Element_identification to Change_identification (change_status)	<not_present>	M
@509.2	*	Element_identification to Design_authority (design_activities)	@444.2	M
@511	*	Element_identification to Element_type (element_classifications)	@550	M
@520	*	Other_reference_document to Element_identification (document_identification)	@1288	M
@550	*	Element_type	#57	M
@551	*	Element_type.element_code	#57, 'PRR'	S
@553	*	Element_type.type_of_coding_scheme	#57, 'Change Type'	S
@554	*	Element_type to Company (code_administrator)	<not_present>	M
@558	*	Element_identification to Element_type (element_classifications)	@511	M
@688	*	Header	#37	M
@689	*	Header.document_abstract	<not_present>	M
@691	*	Header.document_keywords	<not_present>	M
@694	*	Header.languages	<not_present>	M
@697	*	Header.sheet_count	<not_present>	M
@699	*	Header to Header_configuration_with_element_identification (header_configuration)	@721	M
@700	*	Header to Size_characteristics_full_size (size_of_sheet)	<not_present>	M

Table 4 – Application elements for 4UoFPL2 (continued)

Id	V	Application Elements	Value	Req
@705	*	Parts_list_header to Header (common_header)	@1170	M
@721	*	Header_configuration_with_element_identification	#37	M
@722	*	Header_configuration_with_element_identification to Configuration (data_configuration)	@164	M
@723	*	Header_configuration_with_element_identification to Element_identification (identification)	@503.1	M
@726	*	Header to Header_configuration_with_element_identification (header_configuration)	@699	M
@837.1	*	Item	#70	M
@839	*	Item.item_contexts	#48, #52, #68, 'Production'	S
@841	*	Item to Alternate_item (alternates)	<not_present>	M
@844	*	Item to Reference_document_usage (conditions_defined_through_constrained_document)	<not_present>	M
@847	*	Item to Reference_document (conditions_defined_through_simple_reference)	<not_present>	M
@850.1	*	Item to Item_identification (identification)	@869.1	M
@851	*	Item to Configuration (item_configuration)	<not_present>	M
@853	*	Item to Weight (item_weight)	<not_present>	M
@855	*	Item to Notation (notes)	<not_present>	M
@858	*	Item to Special_condition (special_conditions)	<not_present>	M
@867	*	Tdp_element_and_item_association to Item (related_item)	@1598	M
@837.2	*	Item	#71	M
@838	*	Item.item_contexts	<not_present>	M
@850.2	*	Item to Item_identification (identification)	@869.2	M
@861	*	Item_usage to Item (being_defined_for)	@956	M
@869.1	*	Item_identification	#48	M
@870.1	*	Item_identification.identifying_number	#52, 'h1'	S

Table 4 – Application elements for 4UoFPL2 (continued)

Id	V	Application Elements	Value	Req
@873.1	*	Item_identification.nomenclature_or_name	#52, 'hub assembly'	S
@874	*	Item_identification to Alternate_identification_of_item (alternate_identifications)	<not_present>	M
@878	*	Item_identification to Change_identification (change)	@84.2	M
@881.1	*	Item_identification to Item_type (classifications)	@945.1, @945.2	M
@882.1	*	Item_identification to Design_authority (design_activity)	@444.2	M
@883	*	Item_identification to Source_information_type (source_information)	<not_present>	M
@896.1	*	Item to Item_identification (identification)	@850.1	M
@898	*	Item_list to Item_identification (list_for)	@921	M
@869.2	*	Item_identification	#49	M
@870.2	*	Item_identification.identifying_number	#53, 'd1'	S
@873.2	*	Item_identification.nomenclature_or_name	#53, 'disc with holes'	S
@877	*	Item_identification to Change_identification (change)	<not_present>	M
@881.2	*	Item_identification to Item_type (classifications)	@945.1, @945.3	M
@882.2	*	Item_identification to Design_authority (design_activity)	@444.3	M
@896.2	*	Item to Item_identification (identification)	@850.2	M
@910	*	Item_list	#70, #82, #75, 'item list'	M
@915	*	Item_list.type_of_component_list	#83, #76, 'made from component list of one'	M
@918	*	Item_list to Item_usage (component_of)	@953	M
@921	*	Item_list to Item_identification (list_for)	@869.1	M
@923	*	Parts_list_body to Item_list (parts_tabulations)	@1160	M
@945.1	*	Item_type	#58	M
@946.1	*	Item_type.item_code	#58, 'part'	S

Table 4 – Application elements for 4UoFPL2 (continued)

Id	V	Application Elements	Value	Req
@947	*	Item_type.type_of_coding_scheme	<not_present>	M
@949	*	Item_type to Company (code_administrator)	<not_present>	M
@952	*	Item_identification to Item_type (classifications)	@881.1, @881.2	M
@945.2	*	Item_type	#59	M
@946.2	*	Item_type.item_code	#59, 'assembly'	S
@951	*	Item_identification to Item_type (classifications)	@881.1	M
@945.3	*	Item_type	#60	M
@946.3	*	Item_type.item_code	#60, 'detail'	S
@951	*	Item_identification to Item_type (classifications)	@881.2	M
@953	*	Item_usage (as Locally_defined_item)	#86, 'item usage'	M
@956	*	Item_usage to Item (being_defined_for)	@837.2, #71, #84, #78, 'item in list'	M
@957	*	Item_usage to Effectivity (effective_on)	<not_present>	M
@959	*	Item_usage to List_item_usage (list_item)	<not_present>	M
@961	*	Item_usage to Quantity (quantity_used_in_next_higher_assembly)	<not_present>	M
@963	*	Item_usage to Retrofit_usage (retrofit)	<not_present>	M
@965	*	Item_usage to Special_conditions (special_conditions)	<not_present>	M
@968	*	Item_list to Item_usage (component_of)	@918	M
@1011	*	Locally_defined_item (as Assembly)	#84	M
@68	*	Assembly	#84	M
@1285	*	Reference_document (as Other_reference_document)	#47, #51, #54, 'document', #62, #56, 'reference document'	M
@1288	*	Reference_document to Element_identification (document_identification)	@503.2	M
@1119	*	Other_reference_document	#47, #51, #54, 'document', #62, #56, 'reference document'	M

Table 4 – Application elements for 4UoFPL2 (continued)

Id	V	Application Elements	Value	Req
@1128	*	Change_identification to Other_reference_document (revision_authorization_identifications)	@111	M
@1591	*	Tdp_element (as Associated_list)	#46, #50, #54, 'document', #61, #55, 'parts list'	M
@1595	*	Tdp_element_and_item_association to Tdp_element (related_tdp_element)	@1597	M
@71	*	Associated_list (as Parts_list)	#46, #50, #55, 'parts list'	M
@72	*	Associated_list to List_presentation (presentation)	<not_present>	M
@74	*	Associated_list to drawing_or_product_data_set (related_to)	<not_present>	M
@1153	*	Parts_list	#46, #50, #54, 'document', #61, #55, 'parts list'	M
@1154	*	Parts_list to Parts_list_body (list_body)	@1156	M
@1155	*	Parts_list to Parts_list_header (list_header)	@1169	M
@1156	*	Parts_list_body	#72, 'parts list body'	M
@1157	*	Parts_list_body to Notation (list_notes)	<not_present>	M
@1160	*	Parts_list_body to Item_list (parts_tabulations)	@910, #85, 'parts tabulation'	M
@1162	*	Parts_list_body to Tdp_element_list_item (referenced_tdp_elements)	<not_present>	M
@1165	*	Parts_list_body to Revision (revision_history)	<not_present>	M
@1168	*	Parts_list to Parts_list_body (list_body)	@1154	M
@1169	*	Parts_list_header	#37, 'parts list header'	M
@1170	*	Parts_list_header to Header (common_header)	@688	M
@1171	*	Parts_list to Parts_list_header (list_header)	@1155	M
@1172	*	Person	#89	M
@1174	1	Person.first_name	#89, 'Guy'	S
@1176	1	Person.last_name	#89, 'Wire'	S
@1177	*	Person.middle_name	<not_present>	M
@1179	*	Person.title	<not_present>	M

Table 4 – Application elements for 4UoFPL2 (concluded)

Id	V	Application Elements	Value	Req
@1181	*	Person.unique_identifier	#89, '333-004'	S
@1184	*	Design_authority to Person (person_responsible)	@449	M
@1317	*	Release_authentication	#90	M
@1318	*	Release_authentication.authentication	#91, 'approved'	S
@1319	*	Release_authentication to Person (person_responsible)	<not_present>	M
@1321	*	Release_authentication to Company (release_authority)	@134.1, #92, #93, 'release authentication'	M
@1322	*	Release_authentication to Company_code (release_authority_code)	<not_present>	M
@1324	*	Release_authentication to Date (release_date)	@397, #94, #24, #27, 'release authentication'	M
@1325	*	Configuration to Release_authentication (release_authorizations)	@176	M
@1597	*	Tdp_element_and_item_association	#88	M
@1598	*	Tdp_element_and_item_association to Item (related_item)	@837	M
@1599	*	Tdp_element_and_item_association to Tdp_element (related_tdp_element)	@1595	M

6.4.1.3 Verdict criteria

The following general verdict criteria apply: gvc1, gvc2, and gvc3.

The verdict criteria derivable from the application elements with non-blank entries in the V column of the preprocessor input specification table apply.

The following preprocessor-specific verdict criteria apply:

vc1: One of person.last_name or person.first_name must be present, but both attributes do not have to be present at the same time.

6.4.1.4 Constraints on values

The following constraints apply as referenced in the input specification table:

c1: The value 'A' is suggested; all other attribute values are mandatory.

c2: The value 'unlimited' is suggested; all other attribute values are mandatory.

6.4.2 Postprocessor

6.4.2.1 Test purpose coverage

The following general test purposes are covered: g1, g4, and g5.

The following other test purposes are covered: other2, other5, and other6.

In the preprocessor input specification table of this test case, the numbers in the Id column (ignoring the part beyond the decimal point, if any) whose rows are not empty in the V column identify the AE test purposes that are covered by this test case.

6.4.2.2 Input specification

The postprocessor input specification is provided in electronic form only. See annex C.

6.4.2.3 Verdict criteria

The following general verdict criteria apply: gvc1, gvc4, and gvc5.

The verdict criteria derivable from the application elements with non-blank entries in the V column of the preprocessor input specification table apply.

The following specific verdict criteria apply: none apply.

6.5 4SMPL_initial

The purpose of this test case is to create the type of Parts List called a Supplier Module Parts List (SMPL) with representation of each type of object that can occur in the SMPL. Application object `Parts_list_body` has three instances of `Item_list` in its `parts_tabulations` attribute. Two of these instances represent design and manufacturing life cycle stage views, respectively, of the parts tabulation. These two instances select the subject Item of the parts list in the `list_for` attribute, satisfying domain test purpose other42. The third instance of `Item_list` is a tabulation of parts contained on a drawing identified as the `Item_list_drawing` in the `list_for` attribute, providing a test for domain test purpose other43.

NOTE See Figures E.7 through E.14 for instance diagrams of the application elements.

6.5.1 Preprocessor

6.5.1.1 Test purposes covered

In the preprocessor input specification table of this test case, the numbers in the Id column (ignoring the part beyond the decimal point, if any), whose rows are not empty in the V column identify the AE test purposes that are covered by this test case.

The following general test purposes are covered: g1, g2, and g3.

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The following other test purposes are covered: other1, other9, other14, other21, other34, other42, other43, other45, and other48.

6.5.1.2 Input specification

Table 5 – Application elements for 4SMPL_initial

Id	V	Application Elements	Value	Req
@12	*	Alternate_element_identification	#259, #282, #270, 'document'	M
@13	*	Alternate_element_identification.identifying_number	#282, '616MODPAM900#0000001A'	S
@14	*	Alternate_element_identification.title	<not_present>	M
@16	*	Alternate_element_identification to Change_identification (change_status)	<not_present>	M
@18	*	Alternate_element_identification to Design_authority (design_activity)	@444.1	M
@20	*	Alternate_element_identification to Element_type (element_classifications)	@550.2	M
@22	*	Alternate_element_identification to Other_reference_document (outstanding_changes)	<not_present>	M
@25	*	Element_identification to Alternate_element_identification (alternate_identifications)	@5062	M
@42.1	*	Alternate_item	#289	M
@44.1	*	Alternate_item.type_of_alternate	#16, #13, 'SUBSTITUTION'	S
@45	*	Alternate_item.usage_conditions	<not_present>	M
@50.1	*	Alternate_item to Item (interchange_item)	@837.6	M
@52	*	Item to Alternate_item (alternates)	@843.4	M
@42.2	*	Alternate_item	#289	M
@44.2	*	Alternate_item.type_of_alternate	#17, #14, 'SUBSTITUTION'	S
@50.2	*	Alternate_item to Item (interchange_item)	@837.7	M
@52	*	Item to Alternate_item (alternates)	@842.5	M
@42.3	*	Alternate_item	#291	M
@44.3	*	Alternate_item.type_of_alternate	#18, #15, 'SPARES INTERCHANGEABILITY'	S

Table 5 – Application elements for 4SMPL_initial (continued)

Id	V	Application Elements	Value	Req
@48	*	Alternate_item.usage_conditions	#18, '616EGPPAE902 IS AN ATA CODE 2 – Two way interchangeable REPLACEMENT FOR 616EGPPAE900. CONDITION DESCRIPTION GOES HERE'	S
@50.3	*	Alternate_item to Item (interchange_item)	@837.8	M
@52		Item to Alternate_item (alternates)	@843.4	M
@84.1	*	Change_identification	#206, 'change identification'	M
@91.1	*	Change_identification.change_code	#206 'revision with change'	M
@92	*	Change_identification.change_description	<not_present>	M
@95.1	*	Change_identification.change_level	#192, 'change identification level', #197, ('1', 'change')	C1
@96	*	Change_identification.issue_level	<not_present>	M
@99	*	Change_identification.revision_authorization_identifications	#204, '1234-1234'	S
@101	*	Change_identification.revision_description	<not_present>	M
@104.1	*	Change_identification.revision_level	#191, 'change identification level', #196, ('A', 'revision'), #201, #167, #188, 'change identification', #256, 'A'	C2
@105	*	Change_identification to Status (action_status)	<not_present>	M
@107	*	Change_identification to Date (change_date)	<not_present>	M
@109	*	Change_identification to Date (issue_date)	<not_present>	M
@113	*	Change_identification to Date (revision_date)	<not_present>	M
@119	*	Element_identification to Change_identification (change_status)	@508	M
@84.2	*	Change_identification	#205, 'change identification'	M
@91.2	*	Change_identification.change_code	#205, 'revision with change'	M
@93	*	Change_identification.change_description	#209, 'THIS IS THE MANUFACTURING	S

Table 5 – Application elements for 4SMPL_initial (continued)

Id	V	Application Elements	Value	Req
@95.2	*	Change_identification.change_level	CHANGE LEVEL DESCRIPTION FIELD' #194, 'change identification level', #199, ('1', 'change')	C1
@104.2	*	Change_identification.revision_level	#193, 'change identification level', #198, ('A', 'revision'), #202, #169, #188, 'change identification', #255, 'A'	C2
@106	*	Change_identification to Status (action_status)	@1480	M
@108	*	Change_identification to Date (change_date)	@397	M
@111	*	Change_identification to Other_reference_document (revision_authorization_identifications)	@1119.1, #177, #170, #190, 'revision authorization identification', #173. #117, #250	M
@123	*	Item_identification to Change_identification (change)	@878	M
@84.9	*	Change_identification	#207, 'change identification'	M
@90.9	*	Change_identification.change_code	#207 'revision'	M
@94	*	Change_identification.change_level	<not_present>	M
@98	*	Change_identification.revision_authorization_identifications	<not_present>	M
@104.9	*	Change_identification.revision_level	#195, 'change identification level', #200, ('B', 'revision'), #203, #171, #188, 'change identification', #254, 'B'	C3
@119		Element_identification to Change_identification (change_status)	@508.99	M
@134.1	*	Company	#222	M
@136	*	Company.address	#214, ('Headquarters', 'Drizzle', 'WA', '99999')	S
@137.1	*	Company.name	#222, 'The Errorspace Company'	S
@144.1	*	Design_authority to Company (design_activity_identification)	@445.1	M

Table 5 – Application elements for 4SMPL_initial (continued)

Id	V	Application Elements	Value	Req
@148	*	Release_authentication to Company (release_authority)	@1321	M
@134.2	*	Company	#223	M
@135	*	Company.address	<not_present>	M
@137.2	*	Company.name	#223, 'The Errorspace Company'	S
@144.2	*	Design_authority to Company (design_activity_identification)	@445.2	M
@134.3	*	Company	#224	M
@137.3	*	Company.name	#224, 'The Errorspace Company'	S
@144.3	*	Design_authority to Company (design_activity_identification)	@445.3	M
@152.1	*	Company_code	#222	M
@153.1	*	Company_code.code	#215, '99999'	S
@155.1	*	Company_code.type_of_code	#217, ('alias id', 'CAGE')	M
@156	*	Company_code to Company (code_administrator)	<not_present>	M
@158.1	*	Design_authority to Company_code (design_activity_code)	@447.1	M
@152.2	*	Company_code	#223	M
@153.2	*	Company_code.code	#216, 'P3124'	S
@155.2	*	Company_code.type_of_code	#218, ('alias id', 'Work Group.Group Code')	C4
@158.2	*	Design_authority to Company_code (design_activity_code)	@447.2	M
@164	*	Configuration	#140	M
@165	*	Configuration.data_usage_rights	<not_present>	M
@167	*	Configuration to Distribution_notice (distribution_authorizations)	<not_present>	M
@171	*	Configuration to Product_configuration (end_item_system_designation)	@1205	M

Table 5 – Application elements for 4SMPL_initial (continued)

Id	V	Application Elements	Value	Req
@172	*	Configuration to Contract (preparing_contracts)	<not_present>	M
@176	*	Configuration to Release_authentication (release_authorizations)	@1317, #139, #1711, #189, 'release_authentication'	M
@179	*	Configuration to Security_classification (security_identifications)	@1360	M
@181	*	Header_configuration_with_element_identification to Configuration (data_configuration)	@722	M
@397	*	Date	#185	M
@399	*	Date.day	#185, 02	S
@401	*	Date.month	#185, 11	S
@402	*	Date.week	<not_present>	M
@404	*	Date.year	#185, 2000	S
@406	*	Date to Time (specific_time)	@1640	M
@409	*	Change_identification to Date (change_date)	@108	M
@423	*	Release_authentication to Date (release_date)	@1324	M
@444.1	*	Design_authority	#219, #2191	M
@4442	*	Design_authority.role	#221, 'id owner', #2211, 'creator'	M
@445.1	*	Design_authority to Company (design_activity_identification)	@134.1	M
@447.1	*	Design_authority to Company_code (design_activity_code)	@152.1	M
@448	*	Design_authority to Person (person_responsible)	<not_present>	M
@450	*	Alternate_element_identification to Design_authority (design_activity)	@18	M
@454	*	Element_identification to Design_authority (design_activities)	@509.1	M
@456	*	Item_identification to Design_authority (design_activity)	@882.2	M
@444.2	*	Design_authority	#210, #2101	M

Table 5 – Application elements for 4SMPL_initial (continued)

Id	V	Application Elements	Value	Req
@4442		Design_authority.role	#213, 'id owner', #2131, 'creator'	M
@445.2	*	Design_authority to Company (design_activity_identification)	@134.2	M
@447.2	*	Design_authority to Company_code (design_activity_code)	@152.2	M
@449	*	Design_authority to Person (person_responsible)	@1172	M
@455	*	Element_identification to Design_authority (design_activities)	@509.2, @509.3	M
@456		Item_identification to Design_authority (design_activity)	@882.1	M
@444.3	*	Design_authority	#220, #2201	M
@4442		Design_authority.role	#221, 'id owner', #2211, 'creator'	M
@445.3	*	Design_authority to Company (design_activity_identification)	@134.3	M
@446	*	Design_authority to Company_code (design_activity_code)	<not_present>	M
@455		Element_identification to Design_authority (design_activities)	@509.4, @509.5, @509.6, @509.9	M
@457	*	Item_identification to Design_authority (design_activity)	@882.3 - @882.6	M
@503.1	*	Element_identification	#256, #281, #270, 'document'	M
@504.1	*	Element_identification.identifying_number	#281, '616SCPPAM100,616MODP AM900'	S
@506.1	*	Element_identification.title	#281, 'THIS IS THE TITLE FIELD FOR A MODULE'	S
@5062	*	Element_identification to Alternate_element_identification (alternate_identifications)	@12, #248, 'alternate element identification'	M
@508.1	*	Element_identification to Change_identification (change_status)	@84.1	M

Table 5 – Application elements for 4SMPL_initial (continued)

Id	V	Application Elements	Value	Req
@509.1	*	Element_identification to Design_authority (design_activities)	@444.1	M
@511.1	*	Element_identification to Element_type (element_classifications)	@550.1	M
@513	*	Element_identification to Other_reference_document (outstanding_changes)	<not_present>	M
@526	*	Header_configuration_with_element_identification to Element_identification (identification)	@723	M
@503.2	*	Element_identification	#250, #284, #270, 'document'	M
@504.2	*	Element_identification.identifying_number	#284, '23340'	S
@506.2	*	Element_identification.title	#284, 'Change Identifier.Change Number'	S
@5061	*	Element_identification to Alternate_element_identification (alternate_identifications)	<not_present>	M
@507	*	Element_identification to Change_identification (change_status)	<not_present>	M
@509.2	*	Element_identification to Design_authority (design_activities)	@444.2	M
@512.2	*	Element_identification to Element_type (element_classifications)	@550.3, @550.4	M
@514	*	Element_identification to Other_reference_document (outstanding_changes)	@1119.2, #249, 'outstanding changes'	M
@520	*	Reference_document to Element_identification (document_identification)	@1288.1	M
@503.3	*	Element_identification	#251, #285, #270, 'document'	M
@504.3	*	Element_identification.identifying_number	#285, '123456'	S
@505	*	Element_identification.title	<not_present>	M
@509.3	*	Element_identification to Design_authority (design_activities)	@444.2	M
@511.3	*	Element_identification to Element_type (element_classifications)	@550.8	M

Table 5 – Application elements for 4SMPL_initial (continued)

Id	V	Application Elements	Value	Req
@520		Reference_document to Element_identification (document_identification)	@1288.2	M
@503.4	*	Element_identification	#252, #287, #270, 'document'	M
@504.4	*	Element_identification.identifying_number	#287, '616PSTBAB100,1'	S
@509.4	*	Element_identification to Design_authority (design_activities)	@444.3	M
@511.4	*	Element_identification to Element_type (element_classifications)	@550.5	M
@524	*	Item_list_drawing to Element_identification (drawing_number)	@928	M
@536	*	Notation to Element_identification (referenced_document_in_note)	@1045.11	M
@503.5	*	Element_identification	#253, #288, #270, 'document'	M
@504.5	*	Element_identification.identifying_number	#288, '616EGDBAB100'	S
@509.5	*	Element_identification to Design_authority (design_activities)	@444.3	M
@511.5	*	Element_identification to Element_type (element_classifications)	@550.6	M
@536		Notation to Element_identification (referenced_document_in_note)	@1045.14	M
@503.6	*	Element_identification	#261, #290, #270, 'document'	M
@504.6	*	Element_identification.identifying_number	#290, 'EF6160004'	S
@509.6	*	Element_identification to Design_authority (design_activities)	@444.3	M
@511.6	*	Element_identification to Element_type (element_classifications)	@550.7	M
@536		Notation to Element_identification (referenced_document_in_note)	@1045.17	M
@503.9	*	Element_identification	#254, #293, #270, 'document'	M
@504.9	*	Element_identification.identifying_number	#293, 'EDS-1057_SMPL'	S
@508.9	*	Element_identification to Change_identification (change_status)	@84.9	M

Table 5 – Application elements for 4SMPL_initial (continued)

Id	V	Application Elements	Value	Req
@509.9	*	Element_identification to Design_authority (design_activities)	@444.3	M
@510	*	Element_identification to Element_type (element_classifications)	<not_present>	M
@536		Notation to Element_identification (referenced_document_in_note)	@1045.99	M
@550.1	*	Element_type	#272	M
@551.1	*	Element_type.element_code	#272, 'Supplier Module Parts List'	S
@553.1	*	Element_type.type_of_coding_scheme	#272, 'Distribution Product'	S
@554	*	Element_type to Company (code_administrator)	<not_present>	M
@558	*	Element_identification to Element_type (element_classifications)	@511.1	M
@550.2	*	Element_type	#273	M
@551.2	*	Element_type.element_code	#273, 'SMPL IDENTIFIER'	S
@552	*	Element_type.type_of_coding_scheme	<not_present>	M
@556	*	Alternate_element_identification to Element_type (element_classifications)	@22	M
@550.3	*	Element_type	#276	M
@551.3	*	Element_type.element_code	#276, 'PRR'	S
@553.3	*	Element_type.type_of_coding_scheme	#276, 'Change Identifier.Change Type'	S
@558		Element_identification to Element_type (element_classifications)	@511.2	M
@550.4	*	Element_type	#277	M
@551.4	*	Element_type.element_code	#277, 'NA'	S
@553.4	*	Element_type.type_of_coding_scheme	#277, 'Change Identifier.Customer Variable'	S
@558		Element_identification to Element_type (element_classifications)	@511.2	M
@550.5	*	Element_type	#279	M

Table 5 – Application elements for 4SMPL_initial (continued)

Id	V	Application Elements	Value	Req
@551.5	*	Element_type.element_code	#279, 'drawing'	S
@558		Element_identification to Element_type (element_classifications)	@511.4	M
@550.6	*	Element_type	#280	M
@551.6	*	Element_type.element_code	#280, 'product data set'	S
@558		Element_identification to Element_type (element_classifications)	@511.5	M
@550.7	*	Element_type	#2801	M
@551.7	*	Element_type.element_code	#2801, 'function'	S
@558		Element_identification to Element_type (element_classifications)	@511.6	M
@550.8	*	Element_type	#2771	M
@551.8	*	Element_type.element_code	#2771, 'Reference Number'	S
@558		Element_identification to Element_type (element_classifications)	@511.3	M
@688	*	Header	#140	M
@689	*	Header.document_abstract	<not_present>	M
@691	*	Header.document_keywords	<not_present>	M
@694	*	Header.languages	<not_present>	M
@697	*	Header.sheet_count	<not_present>	M
@699	*	Header to Header_configuration_with_element_identification (header_configuration)	@721	M
@700	*	Header to Size_characteristics_full_size (size_of_sheet)	<not_present>	M
@705	*	Parts_list_header to Header (common_header)	@1170	M
@721	*	Header_configuration_with_element_identification	#140	M
@722	*	Header_configuration_with_element_identification to Configuration (data_configuration)	@164	M

Table 5 – Application elements for 4SMPL_initial (continued)

Id	V	Application Elements	Value	Req
@723	*	Header_configuration_with_element_identification to Element_identification (identification)	@503.1	M
@726	*	Header to Header_configuration_with_element_identification (header_configuration)	@699	M
@837.1	*	Item	#226	M
@839.1	*	Item.item_contexts	#255, #283, #295, 'Production'	S
@841	*	Item to Alternate_item (alternates)	<not_present>	M
@844	*	Item to Reference_document_usage (conditions_defined_through_constrained_document)	<not_present>	M
@847	*	Item to Reference_document (conditions_defined_through_simple_reference)	<not_present>	M
@850.1	*	Item to Item_identification (identification)	@869.1	M
@851	*	Item to Configuration (item_configuration)	<not_present>	M
@853	*	Item to Weight (item_weight)	<not_present>	M
@857	*	Item to Notation (notes)	@1032.1, @1032.2	M
@858	*	Item to Special_condition (special_conditions)	<not_present>	M
@867	*	Tdp_element_and_item_association to Item (related_item)	@1598	M
@837.2	*	Item	#236	M
@838	*	Item.item_contexts	<not_present>	M
@850.2	*	Item to Item_identification (identification)	@869.3	M
@855	*	Item to Notation (notes)	<not_present>	M
@861	*	Item_usage to Item (being_defined_for)	@956.1	M
@837.3	*	Item	#237	M
@850.3	*	Item to Item_identification (identification)	@869.3	M
@861	*	Item_usage to Item (being_defined_for)	@956.2	M
@837.4	*	Item	#230	M
@843.4	*	Item to Alternate_item (alternates)	@42.1, @42.3	M

Table 5 – Application elements for 4SMPL_initial (continued)

Id	V	Application Elements	Value	Req
@850.4	*	Item to Item_identification (identification)	@869.4	M
@862	*	Item_usage to Item (being_defined_for)	@956.3, @956.5	M
@837.5	*	Item	#231	M
@842.5	*	Item to Alternate_item (alternates)	@42.2	M
@850.5	*	Item to Item_identification (identification)	@869.4	M
@861		Item_usage to Item (being_defined_for)	@956.4	M
@837.6	*	Item	#233	M
@850.6	*	Item to Item_identification (identification)	@869.5	M
@8621	*	Alternate_item to Item (interchange_item)	@50.1	M
@837.7	*	Item	#234	M
@850.7	*	Item to Item_identification (identification)	@869.5	M
@8621		Alternate_item to Item (interchange_item)	@50.2	M
@837.8	*	Item	#235	M
@850.8	*	Item to Item_identification (identification)	@869.6	M
@8621		Alternate_item to Item (interchange_item)	@50.3	M
@869.1	*	Item_identification	#255	M
@870.1	*	Item_identification.identifying_number	#283, '616MODPAM900'	S
@872	*	Item_identification.nomenclature_or_name	<not_present>	M
@874	*	Item_identification to Alternate_identification_of_item (alternate_identifications)	<not_present>	M
@878	*	Item_identification to Change_identification (change)	@84.2	M
@881	*	Item_identification to Item_type (classifications)	@945.1, @945.2	M
@882.1	*	Item_identification to Design_authority (design_activity)	@444.2	M
@883	*	Item_identification to Source_information_type (source_information)	<not_present>	M
@896	*	Item to Item_identification (identification)	@850.1	M

Table 5 – Application elements for 4SMPL_initial (continued)

Id	V	Application Elements	Value	Req
@899	*	Item_list to Item_identification (list_for)	@921.1, @921.2	M
@869.2	*	Item_identification	#2551	M
@870.2	*	Item_identification.identifying_number	#2831, '616SCPPAM100'	S
@877	*	Item_identification to Change_identification (change)	<not_present>	M
@880.2	*	Item_identification to Item_type (classifications)	@945.3	M
@882.2	*	Item_identification to Design_authority (design_activity)	@444.1	M
@8921	*	Product_configuration to Item_identification (design_item)	@12092	M
@869.3	*	Item_identification	#258	M
@870.3	*	Item_identification.identifying_number	#292, '616STPPAE900'	S
@873.3	*	Item_identification.nomenclature_or_name	#292, 'DESCRIPTION FIELD FOR STANDARD PART'	S
@880.3	*	Item_identification to Item_type (classifications)	@945.4	M
@882.3	*	Item_identification to Design_authority (design_activity)	@444.3	M
@897	*	Item to Item_identification (identification)	@850.2, @850.3	M
@869.4	*	Item_identification	#257	M
@870.4	*	Item_identification.identifying_number	#286, '616EGPPAE900'	S
@873.4	*	Item_identification.nomenclature_or_name	#286, 'DESCRIPTION FIELD FOR ENGINEERING PART'	S
@880.4	*	Item_identification to Item_type (classifications)	@945.4	M
@882.4	*	Item_identification to Design_authority (design_activity)	@444.3	M
@897	*	Item to Item_identification (identification)	@850.4, @850.5	M
@869.5	*	Item_identification	#260	M
@870.5	*	Item_identification.identifying_number	#289, '616EGPPAE90001'	S
@873.5	*	Item_identification.nomenclature_or_name	#289, 'DESCRIPTION FIELD FOR SUBSTITUTE ENGINEERING PART'	S

Table 5 – Application elements for 4SMPL_initial (continued)

Id	V	Application Elements	Value	Req
@880.5	*	Item_identification to Item_type (classifications)	@945.4	M
@882.5	*	Item_identification to Design_authority (design_activity)	@444.3	M
@897		Item to Item_identification (identification)	@850.6, @850.7	M
@869.6	*	Item_identification	#262	M
@870.6	*	Item_identification.identifying_number	#291, '616EGPPAE902'	S
@873.6	*	Item_identification.nomenclature_or_name	#291, 'DESCRIPTION FIELD FOR ENGINEERING PART'	S
@880.6	*	Item_identification to Item_type (classifications)	@945.4	M
@882.6	*	Item_identification to Design_authority (design_activity)	@444.3	M
@896		Item to Item_identification (identification)	@850.8	M
@910.1	*	Item_list	#228, #87, #241, 'item list'	M
@911.1	*	Item_list.type_of_component_list	#88, #242, 'module components list'	S
@919.1	*	Item_list to Item_usage (component_of)	@953.1, @953.3	M
@921.1	*	Item_list to Item_identification (list_for)	@869.1	M
@923	*	Parts_list_body to Item_list (parts_tabulations)	@1160	M
@910.2	*	Item_list	#227, #85, #241, 'item list'	M
@911.2	*	Item_list.type_of_component_list	#86, #242, 'module components list'	S
@919.2	*	Item_list to Item_usage (component_of)	@953.2, @953.4	M
@921.2	*	Item_list to Item_identification (list_for)	@869.1	M
@923	*	Parts_list_body to Item_list (parts_tabulations)	@1160	M
@910.3	*	Item_list	#232, #93, #241, 'item list'	M
@913	*	Item_list.type_of_component_list	#94, #247, 'installation drawing component list'	M
@918	*	Item_list to Item_usage (component_of)	@953.5	M
@922	*	Item_list to Item_list_drawing (list_for)	@925	M

Table 5 – Application elements for 4SMPL_initial (continued)

Id	V	Application Elements	Value	Req
@923		Parts_list_body to Item_list (parts_tabulations)	@1160	M
@925	*	Item_list_drawing	#252, #287, #270, 'document'	M
@926	*	Item_list_drawing to Item_identification (assembly_item_list_applies_to)	<not_present>	M
@928	*	Item_list_drawing to Element_identification (drawing_number)	@503.4	M
@929	*	Item_list to Item_list_drawing (list_for)	@922	M
@945.1	*	Item_type	#274	M
@946.1	*	Item_type.item_code	#274, 'module'	S
@947	*	Item_type.type_of_coding_scheme	<not_present>	M
@949	*	Item_type to Company (code_administrator)	<not_present>	M
@951	*	Item_identification to Item_type (classifications)	@881	M
@945.2	*	Item_type	#2741	M
@946.2	*	Item_type.item_code	#2741, '1'	S
@948	*	Item_type.type_of_coding_scheme	#2741, 'TAILORED BUSINESS STREAM'	S
@951		Item_identification to Item_type (classifications)	@881	M
@945.3	*	Item_type	#2772	M
@946.3	*	Item_type.item_code	#2772, 'supplier custom part'	S
@951		Item_identification to Item_type (classifications)	@880.2	M
@945.4	*	Item_type	#278	M
@946.4	*	Item_type.item_code	#278, 'part'	S
@952	*	Item_identification to Item_type (classifications)	@880.3 - @880.6	M
@953.1	*	Item_usage	#133, 'item usage'	M
@956.1	*	Item_usage to Item (being_defined_for)	@837.2, #236, #98, #244, 'item in list'	M
@958.1	*	Item_usage to Effectivity (effective_on)	@492.1	M
@959	*	Item_usage to List_item_usage (list_item)	<not_present>	M

Table 5 – Application elements for 4SMPL_initial (continued)

Id	V	Application Elements	Value	Req
@962	*	Item_usage to Quantity (quantity_used_in_next_higher_assembly)	@1251	M
@963	*	Item_usage to Retrofit_usage (retrofit)	<not_present>	M
@965	*	Item_usage to Special_conditions (special_conditions)	<not_present>	M
@968	*	Item_list to Item_usage (component_of)	@919.1	M
@953.2	*	Item_usage	#134, 'item usage'	M
@956.2	*	Item_usage to Item (being_defined_for)	@837.3, #237, #99, #244, 'item in list'	M
@958.2	*	Item_usage to Effectivity (effective_on)	@492.2	M
@961	*	Item_usage to Quantity (quantity_used_in_next_higher_assembly)	<not_present>	M
@968		Item_list to Item_usage (component_of)	@919.2	M
@953.3	*	Item_usage	#131, 'item usage'	M
@956.3	*	Item_usage to Item (being_defined_for)	@837.4, #230, #91, #244, 'item in list'	M
@958.3	*	Item_usage to Effectivity (effective_on)	@492.3	M
@960.3	*	Item_usage to List_item_usage (list_item)	@971.1	M
@968		Item_list to Item_usage (component_of)	@919.1	M
@953.4	*	Item_usage	#132, 'item usage'	M
@956.4	*	Item_usage to Item (being_defined_for)	@837.5, #231, #92, #244, 'item in list'	M
@958.4	*	Item_usage to Effectivity (effective_on)	@492.4	M
@968		Item_list to Item_usage (component_of)	@919.2	M
@953.5	*	Item_usage	#19, 'item usage'	M
@956.5	*	Item_usage to Item (being_defined_for)	@837.4, #230, #91, #244, 'item in list'	M
@957	*	Item_usage to Effectivity (effective_on)	<not_present>	M
@960.5	*	Item_usage to List_item_usage (list_item)	@971.2	M
@968		Item_list to Item_usage (component_of)	@918	M

Table 5 – Application elements for 4SMPL_initial (continued)

Id	V	Application Elements	Value	Req
@971.1	*	List_item_usage	#131	M
@972	*	List_item_usage.drawing_zones	<not_present>	M
@975	*	List_item_usage.entry_item_change_level	<not_present>	M
@977	*	List_item_usage.find_number	<not_present>	M
@979	*	List_item_usage.item_type	<not_present>	M
@981	*	List_item_usage.reference_designators	<not_present>	M
@986.1	*	List_item_usage to Notation (entry_notes)	@1032.3 - @1032.17	M
@987	*	Item_usage to List_item_usage (list_item)	@960.3	M
@971.2	*	List_item_usage	#19	M
@982	*	List_item_usage.reference_designators	#19, '4125'	S
@984	*	List_item_usage to Notation (entry_notes)	<not_present>	M
@987		Item_usage to List_item_usage (list_item)	@960.5	M
@1032.1	*	Notation	#104, #54, 'notation'	M
@1033.1	*	Notation.note	#104, '1'	S
@1034	*	Notation.note_parameter	<not_present>	M
@1038.1	*	Notation.note_title	#104, 'TAILORED BUSINESS STREAM'	S
@1039	*	Notation.reference_code	<not_present>	M
@1041	*	Notation.type_of_notation	<not_present>	M
@1044	*	Notation to Element_identification (referenced_document_in_note)	<not_present>	M
@1065	*	Item to Notation (notes)	@857	M
@1032.2	*	Notation	#105, #54, 'notation'	M
@1033.2	*	Notation.note	#105, '123456'	S
@1038.2	*	Notation.note_title	#105, 'MATERIAL IDENTIFIER AND TEST REQUIREMENTS CODE'	S
@1065		Item to Notation (notes)	@857	M

Table 5 – Application elements for 4SMPL_initial (continued)

Id	V	Application Elements	Value	Req
@1032.3	1	Notation	#108, #58, 'notation'	M
@1033.3	*	Notation.note	#108, 'TWILIGHT ZONE'	S
@1038.3	*	Notation.note_title	#108, 'AIRPLANE MAINTENANCE ZONE'	S
@1059		List_item_usage to Notation (entry_notes)	@986.1	M
@1032.4	1	Notation	#109, #58, 'notation'	M
@1033.4	*	Notation.note	#109, 'Left Body X = 120A+12.25 Y = -98.133 Z = 118.55'	S
@1038.4	*	Notation.note_title	#109, 'COORDINATE SYSTEM LOCATION'	S
@1059		List_item_usage to Notation (entry_notes)	@986.1	M
@1032.5	1	Notation	#110, #58, 'notation'	M
@1033.5	*	Notation.note	#110, 'FIND NUMBER 12'	S
@1038.5	*	Notation.note_title	#110, 'FIND NUMBER'	S
@1059		List_item_usage to Notation (entry_notes)	@986.1	M
@1032.6	1	Notation	#111, #58, 'notation'	M
@1033.6	*	Notation.note	#111, '989'	S
@1038.6	*	Notation.note_title	#111, 'FLAG MARKER'	S
@1059		List_item_usage to Notation (entry_notes)	@986.1	M
@1032.7	1	Notation	#112, #58, 'notation'	M
@1033.7	*	Notation.note	#112, '600'	S
@1038.7	*	Notation.note_title	#112, 'INSTALLATION NUMBER'	S
@1059		List_item_usage to Notation (entry_notes)	@986.1	M
@1032.8	1	Notation	#113, #58, 'notation'	M
@1033.8	*	Notation.note	#113, '4125'	S

Table 5 – Application elements for 4SMPL_initial (continued)

Id	V	Application Elements	Value	Req
@1038.8	*	Notation.note_title	#113, 'LOCATOR NUMBER'	S
@1059		List_item_usage to Notation (entry_notes)	@986.1	M
@1032.9	1	Notation	#114, #58, 'notation'	M
@1033.9	*	Notation.note	#114, 'ABC'	S
@1038.9	*	Notation.note_title	#114, 'MISCELLANEOUS LOCATION'	S
@1059		List_item_usage to Notation (entry_notes)	@986.1	M
@1032.10	1	Notation	#115, #58, 'notation'	M
@1033.10	*	Notation.note	#115, '99D15'	S
@1038.10	*	Notation.note_title	#115, 'ZONE'	S
@1059		List_item_usage to Notation (entry_notes)	@986.1	M
@1032.11	1	Notation	#101, #58, 'notation'	M
@1033.11	*	Notation.note	#101, '616PSTBAB100 SHEET 1'	S
@1038.11	*	Notation.note_title	#101, 'DRAWING'	S
@1045.11	*	Notation to Element_identification (referenced_document_in_note)	@503.4	M
@1059		List_item_usage to Notation (entry_notes)	@986.1	M
@1032.12	2	Notation	#1091, #57, 'notation'	M
@1033.12	*	Notation.note	#1091, 'LEFT BODY X = 110A+11.25 Y = -88.133 Z = 108.55'	S
@1038.12	*	Notation.note_title	#1091, 'COORDINATE SYSTEM LOCATION'	S

Table 5 – Application elements for 4SMPL_initial (continued)

Id	V	Application Elements	Value	Req
@1059		List_item_usage to Notation (entry_notes)	@986.1	M
@1032.1 3	2	Notation	#1131, #57, 'notation'	M
@1033.1 3	*	Notation.note	#1131, '4123'	S
@1038.1 3	*	Notation.note_title	#1131, 'LOCATOR NUMBER'	S
@1059		List_item_usage to Notation (entry_notes)	@986.1	M
@1032.1 4	2	Notation	#102, #57, 'notation'	M
@1033.1 4	*	Notation.note	#102, '616EGDBAB100'	S
@1038.1 4	*	Notation.note_title	#102, 'DATASET FILE NAME'	S
@1045.1 4	*	Notation to Element_identification (referenced_document_in_note)	@503.5	M
@1059		List_item_usage to Notation (entry_notes)	@986.1	M
@1032.1 5	3	Notation	#106, #55, 'notation'	M
@1033.1 5	*	Notation.note	#106, 'VALUE ABC per 616MODDOC001 VALUE XYZ'	S
@1038.1 5	*	Notation.note_title	#106, 'DOCUMENT'	S
@1059		List_item_usage to Notation (entry_notes)	@986.1	M
@1032.1 6	3	Notation	#107, #56, 'notation'	M
@1033.1 6	*	Notation.note	#107, 'TEXT FIELD FOR FREE FORM NOTE 1'	S
@1038.1 6	*	Notation.note_title	#107, 'TITLE FIELD FOR FREE FORM NOTE 1'	S
@1059		List_item_usage to Notation (entry_notes)	@986.1	M
@1032.1 7	3	Notation	#116, #59, 'notation'	M

Table 5 – Application elements for 4SMPL_initial (continued)

Id	V	Application Elements	Value	Req
7				
@1033.1 7	*	Notation.note	#116, 'TYPE – function, EQUIPMENT NUMBER EF6160004, DESCRIPTION FIELD FOR EQUIPMENT FUNCTION.'	S
@1038.1 7	*	Notation.note_title	#116, 'FUNCTIONAL LINK'	S
@1045.1 7	*	Notation to Element_identification (referenced_document_in_note)	@503.6	M
@1059		List_item_usage to Notation (entry_notes)	@986.1	M
@1032.9 9	*	Notation	#103, #79, 'notation'	M
@1033.9 9	*	Notation.note	#103, 'NOTICE – THE INFORMATION CONTAINED HEREIN IS PROPRIETARY.'	S
@1037	*	Notation.note_title	<not_present>	M
@1042	*	Notation.type_of_notation	#10, #11, 'type of notation', #12, 'STANDARD NOTES'	C5
@1045.9 9	*	Notation to Element_identification (referenced_document_in_note)	@503.9	M
@1063	*	Parts_list_body to Notation (notes_list)	@1158	M
@1285.1	*	Reference_document (as Other_reference_document)	#250, #284, #270, 'document', #266, #275, 'reference document'	M
@1288.1	*	Reference_document to Element_identification (document_identification)	@503.2	M
@1119.1	*	Other_reference_document	#250, #284, #270, 'document', #229, #243, #297, 'reference document'	M
@1128	*	Change_identification to Other_reference_document (revision_authorization_identifications)	@111	M
@1285.2	*	Reference_document (as Other_reference_document)	#251, #285, #270, 'document', #266, #275, 'reference document'	M

Table 5 – Application elements for 4SMPL_initial (continued)

Id	V	Application Elements	Value	Req
@1288.2	*	Reference_document to Element_identification (document_identification)	document' @503.3	M
@1119.2	*	Other_reference_document	#251, #285, #270, 'document', #2291, #243, #297, 'reference document'	M
@1126	*	Element_identification to Other_reference_document (outstanding_changes)	@514	M
@1591	*	Tdp_element (as Associated_list)	#256, #281, #270, 'document', #263, #271, 'parts list'	M
@1595	*	Tdp_element_and_item_association to Tdp_element (related_tdp_element)	@1597	M
@71	*	Associated_list (as Parts_list)	#256, #281, #271 'parts list'	M
@72	*	Associated_list to List_presentation (presentation)	<not_present>	M
@74	*	Associated_list to drawing_or_product_data_set (related_to)	<not_present>	M
@1153	*	Parts_list	#256, #281, #270, 'document', #263, #271, 'parts list'	M
@1154	*	Parts_list to Parts_list_body (list_body)	@1156	M
@1155	*	Parts_list to Parts_list_header (list_header)	@1169	M
@1156	*	Parts_list_body	#225, 'parts list body'	M
@1158	*	Parts_list_body to Notation (list_notes)	@1032.99	M
@1161	*	Parts_list_body to Item_list (parts_tabulations)	@910.1, #82, 'parts tabulation', @910.2, #81, 'parts tabulation', @910.3, #84, 'parts tabulation'	M
@1162	*	Parts_list_body to Tdp_element_list_item (referenced_tdp_elements)	<not_present>	M
@1165	*	Parts_list_body to Revision (revision_history)	<not_present>	M
@1168	*	Parts_list to Parts_list_body (list_body)	@1154	M
@1169	*	Parts_list_header	#140, 'parts list header'	M
@1170	*	Parts_list_header to Header (common_header)	@688	M

Table 5 – Application elements for 4SMPL_initial (continued)

Id	V	Application Elements	Value	Req
@1171	*	Parts_list to Parts_list_header (list_header)	@1155	M
@1172	*	Person	#212	M
@1173	*	Person.first_name	<not_present>	M
@1176	*	Person.last_name	#212, 'NULL'	S
@1177	*	Person.middle_name	<not_present>	M
@1179	*	Person.title	<not_present>	M
@1181	*	Person.unique_identifier	#212, 'Warren Peace'	S
@1184	*	Design_authority to Person (person_responsible)	@449	M
@1205	*	Product_configuration	#126	M
@1206	*	Product_configuration.configuration_id	#126, '616SCPPAM100'	S
@1207	*	Product_configuration to Approval (approval_of_configuration)	<not_present>	M
@12092	*	Product_configuration to Item_identification (design_item)	@869.2	M
@1210	*	Product_configuration to Product_model (product_name)	@1238	M
@1211	*	Configuration to Product_configuration (end_item_system_designation)	@171	M
@1214	*	Effectivity to Product_configuration (product)	@498.1 - @498.4	M
@1238	*	Product_model	#127	M
@1239	*	Product_model.model_name	#127, '737'	S
@1240	*	Product_configuration to Product_model (product_name)	@1210	M
@1251	*	Quantity	#72	M
@1255	*	Quantity.quantity_accuracy	#73, 'quantity accuracy', #74, 'as required'	M
@1258	*	Quantity.value	#72, 'as required'	M
@1261	*	Item_usage to Quantity (quantity_used_in_next_higher_assembly)	@962	M
@1317	*	Release_authentication	#182	M

Table 5 – Application elements for 4SMPL_initial (continued)

Id	V	Application Elements	Value	Req
@1318	*	Release_authentication.authentication	#181, 'PDM'	S
@1319	*	Release_authentication to Person (person_responsible)	<not_present>	M
@1321	*	Release_authentication to Company (release_authority)	@134.1, #137, #138, 'release authentication'	M
@1322	*	Release_authentication to Company_code (release_authority_code)	<not_present>	M
@1324	*	Release_authentication to Date (release_date)	@397, #187, #168, #189, 'release authentication'	M
@1325	*	Configuration to Release_authentication (release_authorizations)	@176	M
@1360	*	Security_classification	#135	M
@1361	*	Security_classification.item_classification	#135, 'item security classification', #136, 'PROPRIETARY'	C6
@1362	*	Security_classification.title_security_classification	<not_present>	M
@1364	*	Security_classification to Date (classification_date)	<not_present>	M
@1366	*	Security_classification to Date (declassification_date)	<not_present>	M
@1368	*	Configuration to Security_classification (security_identifications)	@179	M
@492.1	*	Effectivity (as Sequence_effectivity)	#26	M
@494.1	*	Effectivity.description	#22, 'availability'	S
@495	*	Effectivity to Approval (effectivity_approvals)	<not_present>	M
@498.1	*	Effectivity to Product_configuration (product)	@1205	M
@501	*	Item_usage to Effectivity (effective_on)	@958.1	M
@1372.1	*	Sequence_effectivity	#26	M
@1373.1	*	Sequence_effectivity.from_effectivity_id	#26, '100'	S
@1374	*	Sequence_effectivity.quantity_unit_of_measure	<not_present>	M
@1377.1	*	Sequence_effectivity.thru_effectivity_id	#26, '99999'	S

Table 5 – Application elements for 4SMPL_initial (continued)

Id	V	Application Elements	Value	Req
@1378	*	Sequence_effectivity to Quantity (total_component_quantity_in_product_configuration)	<not_present>	M
@492.2	*	Effectivity (as Sequence_effectivity)	#27	M
@494.2	*	Effectivity.description	#23, 'availability'	S
@498.2	*	Effectivity to Product_configuration (product)	@1205	M
@501		Item_usage to Effectivity (effective_on)	@958.2	M
@1372.2	*	Sequence_effectivity	#27	M
@1373.2	*	Sequence_effectivity.from_effectivity_id	#27, '100'	S
@1377.2	*	Sequence_effectivity.thru_effectivity_id	#27, '99999'	S
@492.3	*	Effectivity (as Sequence_effectivity)	#24	M
@494.3	*	Effectivity.description	#20, 'availability'	S
@498.3	*	Effectivity to Product_configuration (product)	@1205	M
@501		Item_usage to Effectivity (effective_on)	@958.3	M
@1372.3	*	Sequence_effectivity	#24	M
@1373.3	*	Sequence_effectivity.from_effectivity_id	#24, '100'	S
@1377.3	*	Sequence_effectivity.thru_effectivity_id	#24, '99999'	S
@492.4	*	Effectivity (as Sequence_effectivity)	#25	M
@494.4	*	Effectivity.description	#21, 'availability'	S
@498.4	*	Effectivity to Product_configuration (product)	@1205	M
@501		Item_usage to Effectivity (effective_on)	@958.4	M
@1372.4	*	Sequence_effectivity	#25	M
@1373.4	*	Sequence_effectivity.from_effectivity_id	#25, '100'	S
@1377.4	*	Sequence_effectivity.thru_effectivity_id	#25, '99999'	S
@1480	*	Status	#123	M
@1481	*	Status.status_code	#123, 'Approved'	S

Table 5 – Application elements for 4SMPL_initial (concluded)

Id	V	Application Elements	Value	Req
@1482	*	Status.status_code_basis	<not_present>	M
@1484	*	Change_identification to Status (action_status)	@106	M
@1597	*	Tdp_element_and_item_association	#129	M
@1598	*	Tdp_element_and_item_association to Item (related_item)	@837.1	M
@1599	*	Tdp_element_and_item_association to Tdp_element (related_tdp_element)	@1595	M
@1640	*	Time	#184	M
@1641	*	Time.hour	#184, 21	S
@1643	*	Time.minute	#184, 42	S
@1645	*	Time.second	#184, 15.296	S
@1646	*	Time.zone	#183, -8	S
@1647	*	Date to Time (specific_time)	@406	M

6.5.1.3 Verdict criteria

The following general verdict criteria apply: gvc1, gvc2, and gvc3.

The verdict criteria derivable from the application elements with non-blank entries in the V column of the preprocessor input specification table apply.

The following preprocessor-specific verdict criteria apply:

vc1: The instances of descriptive_representation_item that correspond to @1032.3 through @1032.11 are all referenced by the items attribute of the same instance of representation.

vc2: The instances of descriptive_representation_item that correspond to @1032.12 through @1032.14 are all referenced by the items attribute of the same instance of representation.

vc3: The instance of descriptive_representation_item that corresponds to @1032.<n> is referenced by the items attribute of a unique instance of representation.

6.5.1.4 Constraints on values

The following constraints apply as referenced in the input specification table:

c1: The value '1' is suggested; all other attribute values are mandatory.

c2: The value 'A'; is suggested; all other attribute values are mandatory.

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c3: The value 'B'; is suggested; all other attribute values are mandatory.

c4: The value 'Work Group.Group Code'; is suggested; all other attribute values are mandatory.

c5: The value 'STANDARD NOTES'; is suggested; all other attribute values are mandatory.

c6: The value 'PROPRIETARY'; is suggested; all other attribute values are mandatory.

6.5.2 Postprocessor

6.5.2.1 Test purpose coverage

The following general test purposes are covered: g1, g4, and g5.

The following other test purposes are covered: other2, other5, and other6.

In the preprocessor input specification table of this test case, the numbers in the Id column (ignoring the part beyond the decimal point, if any) whose rows are not empty in the V column identify the AE test purposes that are covered by this test case.

6.5.2.2 Input specification

The postprocessor input specification is provided in electronic form only. See annex C.

6.5.2.3 Verdict criteria

The following general verdict criteria apply: gvc1, gvc4, and gvc5.

The verdict criteria derivable from the application elements with non-blank entries in the V column of the preprocessor input specification table apply.

The following specific verdict criteria apply: none apply.

6.6 4SMPL_revised

The purpose of this test case is to create the type of Parts List called a Supplier Module Parts List (SMPL) with representation of two or more of each type of object that can occur in the SMPL. The SMPL in this test case is a revision of the SMPL from test case 4SMPL_initial. This test case includes net change information (test purpose ae916) relative to the earlier test case. In addition, this test case creates instances of Notation applied to both design view and manufacturing view of Item_list and related List_item_usage. The view perspective does not occur explicitly in the ARM of AP232; this information occurs only in the exchange structure provided for the postprocessor test.

NOTE See Figures E.15 through E.26 and E.7 for instance diagrams of the application elements.

6.6.1 Preprocessor

6.6.1.1 Test purposes covered

In the preprocessor input specification table of this test case, the numbers in the Id column (ignoring the part beyond the decimal point, if any), whose rows are not empty in the V column identify the AE test purposes that are covered by this test case.

The following general test purposes are covered: g1, g2, and g3.

The following other test purposes are covered: other1, other8, other9, other14, other21, other34, other41, other43, other45, other47, and other48.

6.6.1.2 Input specification

Table 6 – Application elements for 4SMPL_revised

Id	V	Application Elements	Value	Req
@12	*	Alternate_element_identification	#270, #296, #282, 'document'	M
@13	*	Alternate_element_identification.identifying_number	#296, '616MODPAM900#0000002 B'	S
@18		Alternate_element_identification to Design_authority (design_activity)	@444.1	M
@20		Alternate_element_identification to Element_type (element_classifications)	@550.2	M
@25		Element_identification to Alternate_element_identification (alternate_identifications)	@5062	M
@27	*	Alternate_identification_of_item	#268	M
@28	*	Alternate_identification_of_item.identifying_number	#311, 'ATNSUP00001'	S
@30	*	Alternate_identification_of_item.nomenclature_or_name	<not_present>	M
@32	*	Alternate_identification_of_item to Change_identification (change)	<not_present>	M
@35	*	Alternate_identification_of_item to Item_type (classifications)	@945.5	M
@37	*	Alternate_identification_of_item to Design_authority (design_activity)	@444.3	M
@38	*	Alternate_identification_of_item to Source_information_type (source_information)	<not_present>	M

Table 6 – Application elements for 4SMPL_revised (continued)

Id	V	Application Elements	Value	Req
@40	*	Item_identification to Alternate_identification_of_item (alternate_identifications)	@875	M
@42.1	*	Alternate_item	#306	M
@44.1	*	Alternate_item.type_of_alternate	#1310, 'SUBSTITUTION'	S
@51.1	*	Alternate_item to Item_usage (interchange_item)	@953.3	M
@52	*	Item to Alternate_item (alternates)	@843.2	M
@42.2	*	Alternate_item	#307	M
@44.2	*	Alternate_item.type_of_alternate	#1410, 'SUBSTITUTION'	S
@51.2	*	Alternate_item to Item_usage (interchange_item)	@953.4	M
@52	*	Item to Alternate_item (alternates)	@843.2	M
@42.3	*	Alternate_item	#308	M
@44.3	*	Alternate_item.type_of_alternate	#19, #15, 'SPARES INTERCHANGEABILITY'	S
@48.3	*	Alternate_item.usage_conditions	#19, '616EGPPAE902 IS AN ATA CODE 2 – Two way interchangeable REPLACEMENT FOR 616EGPPAE900. CONDITION DESCRIPTION GOES HERE'	S
@50.3	*	Alternate_item to Item (interchange_item)	@837.6	M
@52	*	Item to Alternate_item (alternates)	@843.2	M
@42.4	*	Alternate_item	#309	M
@44.4	*	Alternate_item.type_of_alternate	#20, #16, 'SPARES INTERCHANGEABILITY'	S
@48.4	*	Alternate_item.usage_conditions	#20, '616EGPPAE90201 IS AN ATA CODE 1 – One way interchangeable REPLACEMENT FOR 616EGPPAE900. WHERE CONDITION DESCRIPTION GOES	S

Table 6 – Application elements for 4SMPL_revised (continued)

Id	V	Application Elements	Value	Req
@50.4	*	Alternate_item to Item (interchange_item)	HERE'	M
@52		Item to Alternate_item (alternates)	@837.7	M
@84.1	*	Change_identification	@843.2	M
@91.1		Change_identification.change_code	#203, 'change identification'	M
@95.1	*	Change_identification.change_level	#203, 'revision with change'	M
@99		Change_identification.revision_authorization_identifications	#179, 'change identification level'; #186, ('1', 'change')	C1
@104.1	*	Change_identification.revision_level	#201, '1234-1234'	S
@119		Element_identification to Change_identification (change_status)	#178, 'change identification level'; #185, ('B', 'revision'), #190, #142, #174, 'change identification', #261, 'B'	C2
@84.2	*	Change_identification	@508	M
@91.2		Change_identification.change_code	#202, 'change identification'	M
@93		Change_identification.change_description	#202, 'revision with change'	M
@95.2	*	Change_identification.change_level	#207, 'THIS IS THE MANUFACTURING CHANGE LEVEL DESCRIPTION FIELD'	S
@102	*	Change_identification.revision_description	#181, 'change identification level'; #188, ('1', 'change')	C1
@104.2	*	Change_identification.revision_level	#206, 'THIS IS THE REVISION DESCRIPTION FIELD'	S
@106		Change_identification to Status (action_status)	#180, 'change identification level'; #187, ('B', 'revision'), #191, #144, #174, 'change identification', #260, 'B'	C2
@108		Change_identification to Date (change_date)	@1480	M
@112	*	Change_identification to Other_reference_document (revision_authorization_identifications)	@397	M
			@1119.1, #159, #145, #176, 'revision authorization identification', #151, #115, #252 @1119 2 #160 #146	M

Table 6 – Application elements for 4SMPL_revised (continued)

Id	V	Application Elements	Value	Req
@123		Item_identification to Change_identification (change)	#252, @1119.2, #160, #146, #176, 'revision authorization identification', #152, #116, #253 @878	M
@84.9		Change_identification	#204, 'change identification'	M
@90.9		Change_identification.change_code	#204, 'revision'	M
@104.9		Change_identification.revision_level	#182, 'change identification level', #189, ('B', 'revision'), #194, #149, #174, 'change identification'	C3
@119		Element_identification to Change_identification (change_status)	@508.99	M
@134.1		Company	#222	M
@136		Company.address	#214, ('Headquarters', 'Drizzle', 'WA', '99999')	S
@137.1		Company.name	#222, 'The Errorspace Company'	S
@144		Design_authority to Company (design_activity_identification)	@445.1	M
@148		Release_authentication to Company (release_authority)	@1321	M
@134.2		Company	#223	M
@137.2		Company.name	#223, 'The Errorspace Company'	S
@144		Design_authority to Company (design_activity_identification)	@445.2	M
@134.3		Company	#224	M
@137.3		Company.name	#224, 'The Errorspace Company'	S
@144		Design_authority to Company (design_activity_identification)	@445.3	M
@152.1		Company_code	#222	M

Table 6 – Application elements for 4SMPL_revised (continued)

Id	V	Application Elements	Value	Req
@153.1		Company_code.code	#215, '99999'	S
@155.1		Company_code.type_of_code	#217, ('alias id', 'CAGE')	M
@158		Design_authority to Company_code (design_activity_code)	@447.1	M
@152.2		Company_code	#223	M
@153.2		Company_code.code	#216, 'P3124'	S
@155.2		Company_code.type_of_code	#218, ('alias id', 'Work Group.Group Code')	C4
@158		Design_authority to Company_code (design_activity_code)	@447.2	M
@164		Configuration	#138	M
@171		Configuration to Product_configuration (end_item_system_designation)	@1205	M
@176		Configuration to Release_authentication (release_authorizations)	@1317, #137, #1431, #175, 'release authentication'	M
@179		Configuration to Security_classification (security_identifications)	@1360	M
@181		Header_configuration_with_element_identification to Configuration (data_configuration)	@722	M
@397		Date	#171	M
@399		Date.day	#171, 02	S
@401		Date.month	#171, 11	S
@404		Date.year	#171, 2000	S
@406		Date to Time (specific_time)	@1640	M
@409		Change_identification to Date (change_date)	@108	M
@423		Release_authentication to Date (release_date)	@1324	M
@444.1		Design_authority	#219, #2191	M
@4442		Design_authority.role	#221, 'id owner', #2211, 'creator'	M
@445.1		Design_authority to Company (design_activity_identification)	@134.1	M

Table 6 – Application elements for 4SMPL_revised (continued)

Id	V	Application Elements	Value	Req
@447.1		Design_authority to Company_code (design_activity_code)	@152.1	M
@450		Alternate_element_identification to Design_authority (design_activity)	@18	M
@454		Element_identification to Design_authority (design_activities)	@509.1	M
@456		Item_identification to Design_authority (design_activity)	@882.2	M
@444.2		Design_authority	#210, #2101	M
@4442		Design_authority.role	#213, 'id owner', #2131, 'creator'	M
@445.2		Design_authority to Company (design_activity_identification)	@134.2	M
@447.2		Design_authority to Company_code (design_activity_code)	@152.2	M
@449		Design_authority to Person (person_responsible)	@1172	M
@454		Element_identification to Design_authority (design_activities)	@509.2	M
@456		Item_identification to Design_authority (design_activity)	@882.1	M
@444.3	*	Design_authority	#220, #2201	M
@4442		Design_authority.role	#221, 'id owner', #2211, 'creator'	M
@445.3		Design_authority to Company (design_activity_identification)	@134.3	M
@452	*	Alternate_identification_of_item to Design_authority (design_activity)	@37	M
@455		Element_identification to Design_authority (design_activities)	@509.4 - @509.99	M
@457		Item_identification to Design_authority (design_activity)	@882.3 - @882.9	M
@503.1	*	Element_identification	#261, #295, #282, 'document'	M
@504.1	*	Element_identification.identifying_number	#295, '616SCPPAM100,616MODP	S

Table 6 – Application elements for 4SMPL_revised (continued)

Id	V	Application Elements	Value	Req
@506		Element_identification.title	AM900' #295, 'THIS IS THE TITLE FIELD FOR A MODULE'	S
@5062		Element_identification to Alternate_element_identification (alternate_identifications)	@12, #251, 'alternate element identification'	M
@508		Element_identification to Change_identification (change_status)	@84.1	M
@509.1		Element_identification to Design_authority (design_activities)	@444.1	M
@511.1		Element_identification to Element_type (element_classifications)	@550.1	M
@526		Header_configuration_with_element_identification to Element_identification (identification)	@723	M
@503.2	*	Element_identification	#252, #298, #282, 'document'	M
@504.2	*	Element_identification.identifying_number	#298, '23341'	S
@509.2		Element_identification to Design_authority (design_activities)	@444.2	M
@512.2		Element_identification to Element_type (element_classifications)	@550.3, @550.4	M
@520		Reference_document to Element_identification (document_identification)	@1288.1	M
@503.3	*	Element_identification	#254, #301, #282, 'document'	M
@504.3	*	Element_identification.identifying_number	#301, '616PSTBAB100,1'	S
@509.3	*	Element_identification to Design_authority (design_activities)	@444.3	M
@511.3	*	Element_identification to Element_type (element_classifications)	@550.5	M
@524	*	Item_list_drawing to Element_identification (drawing_number)	@928	M
@536	*	Notation to Element_identification (referenced_document_in_note)	@1045.11	M
@503.4	*	Element_identification	#255, #302, #282, 'document'	M

Table 6 – Application elements for 4SMPL_revised (continued)

Id	V	Application Elements	Value	Req
@504.4	*	Element_identification.identifying_number	#302, '616EGDBAB100'	S
@509.4	*	Element_identification to Design_authority (design_activities)	@444.3	M
@511.4	*	Element_identification to Element_type (element_classifications)	@550.6	M
@536		Notation to Element_identification (referenced_document_in_note)	@1045.14	M
@503.5	*	Element_identification	#256, #303, #282, 'document'	M
@504.5	*	Element_identification.identifying_number	#303, '616ARABAB100'	S
@509.5	*	Element_identification to Design_authority (design_activities)	@444.3	M
@511.5	*	Element_identification to Element_type (element_classifications)	@550.5	M
@536		Notation to Element_identification (referenced_document_in_note)	@1045.15	M
@503.6	*	Element_identification	#257, #304, #282, 'document'	M
@504.6	*	Element_identification.identifying_number	#304, 'EF6160004'	S
@509.6	*	Element_identification to Design_authority (design_activities)	@444.3	M
@511.6	*	Element_identification to Element_type (element_classifications)	@550.7	M
@536		Notation to Element_identification (referenced_document_in_note)	@1045.27	M
@503.7	*	Element_identification	#258, #305, #282, 'document'	M
@504.7	*	Element_identification.identifying_number	#305, 'EEF6160004'	S
@509.7	*	Element_identification to Design_authority (design_activities)	@444.3	M
@511.7	*	Element_identification to Element_type (element_classifications)	@550.7	M
@536		Notation to Element_identification (referenced_document_in_note)	@1045.28	M
@503.8	*	Element_identification	#253, #299, #282, 'document'	M

Table 6 – Application elements for 4SMPL_revised (continued)

Id	V	Application Elements	Value	Req
@504.8	*	Element_identification.identifying_number	#299, '23342'	S
@509.8	*	Element_identification to Design_authority (design_activities)	@444.2	M
@512.8	*	Element_identification to Element_type (element_classifications)	@550.3, @550.4	M
@520		Reference_document to Element_identification (document_identification)	@1288.2	M
@503.9	*	Element_identification	#259, #313, #282, 'document'	M
@504.9	*	Element_identification.identifying_number	#313, 'EDS-1057_SMPL'	S
@508.9	*	Element_identification to Change_identification (change_status)	@84.9	M
@509.9	*	Element_identification to Design_authority (design_activities)	@444.3	M
@536		Notation to Element_identification (referenced_document_in_note)	@1045.99	M
@550.1		Element_type	#284	M
@551.1		Element_type.element_code	#284, 'Supplier Module Parts List'	S
@553.1		Element_type.type_of_coding_scheme	#284, 'Distribution Product'	S
@558		Element_identification to Element_type (element_classifications)	@511.1	M
@550.2		Element_type	#285	M
@551.2		Element_type.element_code	#285, 'SMPL IDENTIFIER'	S
@556		Alternate_element_identification to Element_type (element_classifications)	@22	M
@550.3	*	Element_type	#288	M
@551.3	*	Element_type.element_code	#288, 'PRR'	S
@553.3		Element_type.type_of_coding_scheme	#288, 'Change Identifier.Change Type'	S
@559	*	Element_identification to Element_type (element_classifications)	@512.2, @512.8	M

Table 6 – Application elements for 4SMPL_revised (continued)

Id	V	Application Elements	Value	Req
@550.4	*	Element_type	#289	M
@551.4	*	Element_type.element_code	#289, 'NA'	S
@553.4		Element_type.type_of_coding_scheme	#289, 'Change Identifier.Customer Variable'	S
@559		Element_identification to Element_type (element_classifications)	@512.2, @512.8	M
@550.5		Element_type	#292	M
@551.5		Element_type.element_code	#292, 'drawing'	S
@559		Element_identification to Element_type (element_classifications)	@511.3, @511.5	M
@550.6		Element_type	#293	M
@551.6		Element_type.element_code	#293, 'product data set'	S
@558		Element_identification to Element_type (element_classifications)	@511.4	M
@550.7		Element_type	#294	M
@551.7		Element_type.element_code	#294, 'function'	S
@559		Element_identification to Element_type (element_classifications)	@511.6, @511.7	M
@688		Header	#138	M
@699		Header to Header_configuration_with_element_identification (header_configuration)	@721	M
@705		Parts_list_header to Header (common_header)	@1170	M
@721		Header_configuration_with_element_identification	#138	M
@722		Header_configuration_with_element_identification to Configuration (data_configuration)	@164	M
@723		Header_configuration_with_element_identification to Element_identification (identification)	@503.1	M
@726		Header to Header_configuration_with_element_identification (header_configuration)	@699	M

Table 6 – Application elements for 4SMPL_revised (continued)

Id	V	Application Elements	Value	Req
@837.1	*	Item	#226	M
@839.1		Item.item_contexts	#260, #297, #315, 'Production'	S
@850.1		Item to Item_identification (identification)	@869.1	M
@857.1		Item to Notation (notes)	@1032.1, @1032.2	M
@867		Tdp_element_and_item_association to Item (related_item)	@1598	M
@837.2	*	Item	#230	M
@843.2	*	Item to Alternate_item (alternates)	@42.1 - @42.4	M
@850.2	*	Item to Item_identification (identification)	@869.3	M
@861	*	Item_usage to Item (being_defined_for)	@956.1	M
@837.3	*	Item	#231	M
@850.3	*	Item to Item_identification (identification)	@869.3	M
@862	*	Item_usage to Item (being_defined_for)	@956.2, @956.11	M
@837.4	*	Item	#233	M
@850.4	*	Item to Item_identification (identification)	@869.4	M
@861		Item_usage to Item (being_defined_for)	@956.3	M
@837.5	*	Item	#234	M
@850.5	*	Item to Item_identification (identification)	@869.5	M
@861		Item_usage to Item (being_defined_for)	@956.4	M
@837.6	*	Item	#235	M
@850.6	*	Item to Item_identification (identification)	@869.6	M
@8621	*	Alternate_item to Item (interchange_item)	@50.3	M
@837.7	*	Item	#236	M
@850.7	*	Item to Item_identification (identification)	@869.7	M
@8621		Alternate_item to Item (interchange_item)	@50.4	M
@837.8	*	Item	#237	M
@850.8	*	Item to Item_identification (identification)	@869.8	M

Table 6 – Application elements for 4SMPL_revised (continued)

Id	V	Application Elements	Value	Req
@862		Item_usage to Item (being_defined_for)	@956.6, @956.8	M
@837.9	*	Item	#238	M
@850.9	*	Item to Item_identification (identification)	@869.8	M
@862		Item_usage to Item (being_defined_for)	@956.7, @956.9	M
@837.10	*	Item	#240	M
@850.10	*	Item to Item_identification (identification)	@869.9	M
@861		Item_usage to Item (being_defined_for)	@956.10	M
@869.1	*	Item_identification	#260	M
@870.1	*	Item_identification.identifying_number	#297, '616MODPAM900'	S
@878		Item_identification to Change_identification (change)	@84.2	M
@881		Item_identification to Item_type (classifications)	@945.1, @945.2	M
@882.1		Item_identification to Design_authority (design_activity)	@444.2	M
@896		Item to Item_identification (identification)	@850.1	M
@899		Item_list to Item_identification (list_for)	@921.1, @921.2, @921.4	M
@869.2	*	Item_identification	#2601	M
@870.2	*	Item_identification.identifying_number	#2971, '616SCPPAM100'	S
@877	*	Item_identification to Change_identification (change)	<not_present>	M
@880.2	*	Item_identification to Item_type (classifications)	@945.3	M
@882.2	*	Item_identification to Design_authority (design_activity)	@444.1	M
@8921	*	Product_configuration to Item_identification (design_item)	@12092	M
@869.3	*	Item_identification	#262	M
@870.3	*	Item_identification.identifying_number	#300, '616EGPPAE900'	S
@873.3	*	Item_identification.nomenclature_or_name	#300, 'DESCRIPTION FIELD FOR ENGINEERING PART'	S

Table 6 – Application elements for 4SMPL_revised (continued)

Id	V	Application Elements	Value	Req
@880.3	*	Item_identification to Item_type (classifications)	@945.4	M
@882.3	*	Item_identification to Design_authority (design_activity)	@444.3	M
@897	*	Item to Item_identification (identification)	@850.2, @850.3	M
@869.4	*	Item_identification	#263	M
@870.4	*	Item_identification.identifying_number	#306, '616EGPPAE90001'	S
@873.4	*	Item_identification.nomenclature_or_name	#306, 'DESCRIPTION FIELD FOR SUBSTITUTE ENGINEERING PART'	S
@880.4	*	Item_identification to Item_type (classifications)	@945.4	M
@882.4	*	Item_identification to Design_authority (design_activity)	@444.3	M
@896		Item to Item_identification (identification)	@850.4	M
@869.5	*	Item_identification	#264	M
@870.5	*	Item_identification.identifying_number	#307, '616EGPPAE90002'	S
@873.5	*	Item_identification.nomenclature_or_name	#307, 'DESCRIPTION FIELD FOR SUBSTITUTE ENGINEERING PART'	S
@880.5	*	Item_identification to Item_type (classifications)	@945.4	M
@882.5	*	Item_identification to Design_authority (design_activity)	@444.3	M
@896		Item to Item_identification (identification)	@850.5	M
@869.6	*	Item_identification	#265	M
@870.6	*	Item_identification.identifying_number	#308, '616EGPPAE902'	S
@873.6	*	Item_identification.nomenclature_or_name	#308, 'DESCRIPTION FIELD FOR ENGINEERING PART'	S
@880.6	*	Item_identification to Item_type (classifications)	@945.4	M
@882.6	*	Item_identification to Design_authority (design_activity)	@444.3	M
@896		Item to Item_identification (identification)	@850.6	M

Table 6 – Application elements for 4SMPL_revised (continued)

Id	V	Application Elements	Value	Req
@869.7	*	Item_identification	#266	M
@870.7	*	Item_identification.identifying_number	#309, '616EGPPAE90201'	S
@873.7	*	Item_identification.nomenclature_or_name	#309, 'DESCRIPTION FIELD FOR ENGINEERING PART'	S
@880.7	*	Item_identification to Item_type (classifications)	@945.4	M
@882.7	*	Item_identification to Design_authority (design_activity)	@444.3	M
@896		Item to Item_identification (identification)	@850.7	M
@869.8	*	Item_identification	#267	M
@870.8	*	Item_identification.identifying_number	#310, '616SUPPAE900'	S
@873.8	*	Item_identification.nomenclature_or_name	#310, 'DESCRIPTION FIELD FOR SUPPLIED PART'	S
@875	*	Item_identification to Alternate_identification_of_item (alternate_identifications)	@27, #316, 'alternate part identification', #311	M
@880.8	*	Item_identification to Item_type (classifications)	@945.4	M
@882.8	*	Item_identification to Design_authority (design_activity)	@444.3	M
@897		Item to Item_identification (identification)	@850.8, @850.9	M
@869.9	*	Item_identification	#269	M
@870.9	*	Item_identification.identifying_number	#312, '616STPPAE100'	S
@880.9	*	Item_identification to Item_type (classifications)	@945.4	M
@882.9	*	Item_identification to Design_authority (design_activity)	@444.3	M
@896		Item to Item_identification (identification)	@850.10	M
@910.1	*	Item_list	#227, #73, #244, 'item list'	M
@911.1	*	Item_list.type_of_component_list	#74, #247, 'module components list'	S
@919.1	*	Item_list to Item_usage (component_of)	@953.1, @953.6	M
@921.1	*	Item_list to Item_identification (list_for)	@869.1	M

Table 6 – Application elements for 4SMPL_revised (continued)

Id	V	Application Elements	Value	Req
@923	*	Parts_list_body to Item_list (parts_tabulations)	@1160	M
@910.2	*	Item_list	#228, #76, #244, 'item list'	M
@911.2	*	Item_list.type_of_component_list	#77, #247, 'module components list'	S
@919.2	*	Item_list to Item_usage (component_of)	@953.2, @953.7	M
@921.2	*	Item_list to Item_identification (list_for)	@869.1	M
@923		Parts_list_body to Item_list (parts_tabulations)	@1160	M
@910.3	*	Item_list	#232, #79, #244, 'item list'	M
@913	*	Item_list.type_of_component_list	#80, #250, 'installation drawing component list'	M
@918	*	Item_list to Item_usage (component_of)	@953.8	M
@922	*	Item_list to Item_list_drawing (list_for)	@925	M
@923		Parts_list_body to Item_list (parts_tabulations)	@1160	M
@910.4	*	Item_list	#229, #71, #244, 'item list'	M
@916	*	Item_list.type_of_component_list	#72, #245, 'net change list'	M
@919.4	*	Item_list to Item_usage (component_of)	@953.9 - @953.11	M
@921.4	*	Item_list to Item_identification (list_for)	@869.1	M
@923		Parts_list_body to Item_list (parts_tabulations)	@1160	M
@925	*	Item_list_drawing	#254, #301, #282, 'document'	M
@926	*	Item_list_drawing to Item_identification (assembly_item_list_applies_to)	<not_present>	M
@928	*	Item_list_drawing to Element_identification (drawing_number)	@503.3	M
@929	*	Item_list to Item_list_drawing (list_for)	@922	M
@945.1		Item_type	#286	M
@946.1		Item_type.item_code	#286, 'module'	S
@951		Item_identification to Item_type (classifications)	@881	M
@945.2	*	Item_type	#290	M

Table 6 – Application elements for 4SMPL_revised (continued)

Id	V	Application Elements	Value	Req
@946.2	*	Item_type.item_code	#290, '1'	S
@948	*	Item_type.type_of_coding_scheme	#prpc, 'TAILORED BUSINESS STREAM'	S
@951		Item_identification to Item_type (classifications)	@881	M
@945.3		Item_type	#2911	M
@946.3		Item_type.item_code	#2911, 'supplier custom part'	S
@951		Item_identification to Item_type (classifications)	@880.2	M
@945.4		Item_type	#291	M
@946.4		Item_type.item_code	#291, 'part'	S
@952		Item_identification to Item_type (classifications)	@880.3 - @880.9	M
@945.5	*	Item_type	#2912	M
@946.5	*	Item_type.item_code	#2912, 'administrative tracking number'	S
@9501	*	Alternate_identification_of_item to Item_type (classifications)	@35	M
@953.1	*	Item_usage	#197, 'item usage'	M
@956.1	*	Item_usage to Item (being_defined_for)	@837.2, #230, #75, #246, 'item in list'	M
@958.1	*	Item_usage to Effectivity (effective_on)	@492.1	M
@960.1	*	Item_usage to List_item_usage (list_item)	@971.1	M
@962.1	*	Item_usage to Quantity (quantity_used_in_next_higher_assembly)	@1251.1	M
@968	*	Item_list to Item_usage (component_of)	@919.1	M
@953.2	*	Item_usage	#198, 'item usage'	M
@956.2	*	Item_usage to Item (being_defined_for)	@837.3, #231, #78, #246, 'item in list'	M
@958.2	*	Item_usage to Effectivity (effective_on)	@492.2	M
@960.2	*	Item_usage to List_item_usage (list_item)	@971.2	M
@962.2	*	Item_usage to Quantity (quantity_used_in_next_higher_assembly)	@1251.2	M

Table 6 – Application elements for 4SMPL_revised (continued)

Id	V	Application Elements	Value	Req
@968		Item_list to Item_usage (component_of)	@919.2	M
@953.3	*	Item_usage	#17, 'substitution'	M
@956.3	*	Item_usage to Item (being_defined_for)	@837.4, #233, #81, #246, 'item in list'	M
@962.3	*	Item_usage to Quantity (quantity_used_in_next_higher_assembly)	@1251.3	M
@969	*	Alternate_item to Item_usage (interchange_item)	@51.1	M
@953.4	*	Item_usage	#18, 'substitution'	M
@956.4	*	Item_usage to Item (being_defined_for)	@837.5, #234, #82, #246, 'item in list'	M
@962.4	*	Item_usage to Quantity (quantity_used_in_next_higher_assembly)	@1251.4	M
@969		Alternate_item to Item_usage (interchange_item)	@51.2	M
@953.6	*	Item_usage	#199, 'item usage'	M
@956.6	*	Item_usage to Item (being_defined_for)	@837.8, #237, #85, #246, 'item in list'	M
@958.6	*	Item_usage to Effectivity (effective_on)	@492.3	M
@962.6	*	Item_usage to Quantity (quantity_used_in_next_higher_assembly)	@1251.4	M
@968		Item_list to Item_usage (component_of)	@919.1	M
@953.7	*	Item_usage	#200, 'item usage'	M
@956.7	*	Item_usage to Item (being_defined_for)	@837.9, #238, #86, #246, 'item in list'	M
@958.7	*	Item_usage to Effectivity (effective_on)	@492.4	M
@960.7	*	Item_usage to List_item_usage (list_item)	@971.3	M
@962.7	*	Item_usage to Quantity (quantity_used_in_next_higher_assembly)	@1251.2	M
@968		Item_list to Item_usage (component_of)	@919.2	M
@953.8	*	Item_usage	#21, 'item usage'	M
@956.8	*	Item_usage to Item (being_defined_for)	@837.4, #237, #85, #246, 'item in list'	M

Table 6 – Application elements for 4SMPL_revised (continued)

Id	V	Application Elements	Value	Req
@960.8	*	Item_usage to List_item_usage (list_item)	'item in list'	M
@968		Item_list to Item_usage (component_of)	@918	M
@953.9	*	Item_usage	#195, 'item usage'	M
@956.9	*	Item_usage to Item (being_defined_for)	@837.9, #238, #86, #246, 'item in list'	M
@964.9	*	Item_usage to Retrofit_usage (retrofit)	@1327.1	M
@968		Item_list to Item_usage (component_of)	@919.4	M
@953.10	*	Item_usage	#196, 'item usage'	M
@956.10	*	Item_usage to Item (being_defined_for)	@837.10, #240, #88, #246, 'item in list'	M
@964.10	*	Item_usage to Retrofit_usage (retrofit)	@1327.2	M
@968		Item_list to Item_usage (component_of)	@919.4	M
@953.11	*	Item_usage	#1961, 'item usage'	M
@956.11	*	Item_usage to Item (being_defined_for)	@837.3, #231, #78, #246, 'item in list'	M
@964.11	*	Item_usage to Retrofit_usage (retrofit)	@1327.3	M
@968		Item_list to Item_usage (component_of)	@919.4	M
@971.1	*	List_item_usage	#197	M
@986.1	*	List_item_usage to Notation (entry_notes)	@1032.3 - @1032.22	M
@987	*	Item_usage to List_item_usage (list_item)	@960.1	M
@971.2	*	List_item_usage	#198	M
@986.2	*	List_item_usage to Notation (entry_notes)	@1032.23 - @1032.28	M
@987		Item_usage to List_item_usage (list_item)	@960.2	M
@971.3	*	List_item_usage	#21	M
@982	*	List_item_usage.reference_designators	#21, '4125'	S

Table 6 – Application elements for 4SMPL_revised (continued)

Id	V	Application Elements	Value	Req
@984	*	List_item_usage to Notation (entry_notes)	<not_present>	M
@987		Item_usage to List_item_usage (list_item)	@960.8	M
@1032.1	*	Notation	#96, #48, 'notation'	M
@1033.1	*	Notation.note	#96, '1'	S
@1038.1	*	Notation.note_title	#96, 'TAILORED BUSINESS STREAM'	S
@1065	*	Item to Notation (notes)	@857.1	M
@1032.2	*	Notation	#97, #48, 'notation'	M
@1033.2	*	Notation.note	#97, '123456'	S
@1038.2	*	Notation.note_title	#97, 'MATERIAL IDENTIFIER AND TEST REQUIREMENTS CODE'	S
@1065		Item to Notation (notes)	@857.1	M
@1032.3	1	Notation	#106, #57, 'notation'	M
@1033.3	*	Notation.note	#106, 'TWILIGHT ZONE'	S
@1038.3	*	Notation.note_title	#106, 'AIRPLANE MAINTENANCE ZONE'	S
@1059	*	List_item_usage to Notation (entry_notes)	@986.1	M
@1032.4	1	Notation	#107, #57, 'notation'	M
@1033.4	*	Notation.note	#107, 'Left Body X = 120A+12.25 Y = -98.133 Z = 118.55'	S
@1038.4	*	Notation.note_title	#107, 'COORDINATE SYSTEM LOCATION'	S
@1059		List_item_usage to Notation (entry_notes)	@986.1	M
@1032.5	1	Notation	#108, #57, 'notation'	M
@1033.5	*	Notation.note	#108, 'FIND NUMBER 12'	S
@1038.5	*	Notation.note_title	#108, 'FIND NUMBER'	S

Table 6 – Application elements for 4SMPL_revised (continued)

Id	V	Application Elements	Value	Req
@1059		List_item_usage to Notation (entry_notes)	@986.1	M
@1032.6	1	Notation	#109, #57, 'notation'	M
@1033.6	*	Notation.note	#109, '989'	S
@1038.6	*	Notation.note_title	#109, 'FLAG MARKER'	S
@1059		List_item_usage to Notation (entry_notes)	@986.1	M
@1032.7	1	Notation	#110, #57, 'notation'	M
@1033.7	*	Notation.note	#110, '600'	S
@1038.7	*	Notation.note_title	#110, 'INSTALLATION NUMBER'	S
@1059		List_item_usage to Notation (entry_notes)	@986.1	M
@1032.8	1	Notation	#111, #57, 'notation'	M
@1033.8	*	Notation.note	#111, '4125'	S
@1038.8	*	Notation.note_title	#111, 'LOCATOR NUMBER'	S
@1059		List_item_usage to Notation (entry_notes)	@986.1	M
@1032.9	1	Notation	#112, #57, 'notation'	M
@1033.9	*	Notation.note	#112, 'ABC'	S
@1038.9	*	Notation.note_title	#112, 'MISCELLANEOUS LOCATION'	S
@1059		List_item_usage to Notation (entry_notes)	@986.1	M
@1032.10	1	Notation	#113, #57, 'notation'	M
@1033.10	*	Notation.note	#113, '99D15'	S
@1038.10	*	Notation.note_title	#113, 'ZONE'	S
@1059		List_item_usage to Notation (entry_notes)	@986.1	M
@1032.11	1	Notation	#90, #57, 'notation'	M
@1033.11	*	Notation.note	#90, '616PSTBAB100 SHEET 1'	S

Table 6 – Application elements for 4SMPL_revised (continued)

Id	V	Application Elements	Value	Req
1			SHEET 1'	
@1038.1 1	*	Notation.note_title	#90, 'DRAWING'	S
@1045.1 1	*	Notation to Element_identification (referenced_document_in_note)	@503.3	M
@1059		List_item_usage to Notation (entry_notes)	@986.1	M
@1032.1 2	2	Notation	#1071, #58, 'notation'	M
@1033.1 2	*	Notation.note	#1071, 'Left Body X = 110A+11.25 Y = -88.133 Z = 108.55'	S
@1038.1 2	*	Notation.note_title	#1071, 'COORDINATE SYSTEM LOCATION'	S
@1059		List_item_usage to Notation (entry_notes)	@986.1	M
@1032.1 3	2	Notation	#1111, #58, 'notation'	M
@1033.1 3	*	Notation.note	#1111, '4123'	S
@1038.1 3	*	Notation.note_title	#1111, 'LOCATOR NUMBER'	S
@1059		List_item_usage to Notation (entry_notes)	@986.1	M
@1032.1 4	2	Notation	#91, #58, 'notation'	M
@1033.1 4	*	Notation.note	#91, '616EGDBAB100'	S
@1038.1 4	*	Notation.note_title	#91, 'DATASET FILE NAME'	S
@1045.1 4	*	Notation to Element_identification (referenced_document_in_note)	@503.4	M
@1059		List_item_usage to Notation (entry_notes)	@986.1	M
@1032.1 5	4	Notation	#98, #49, 'notation'	M

Table 6 – Application elements for 4SMPL_revised (continued)

Id	V	Application Elements	Value	Req
5				
@1033.1 5	*	Notation.note	#98, 'VALUE ABC per 616MODDOC001VALUE XYZ'	S
@1038.1 5	*	Notation.note_title	#98, 'DOCUMENT'	S
@1059		List_item_usage to Notation (entry_notes)	@986.1	M
@1032.1 6	4	Notation	#99, #50, 'notation'	M
@1033.1 6	*	Notation.note	#99, 'TEXT FIELD FOR FREE FORM NOTE 1'	S
@1038.1 6	*	Notation.note_title	#99, 'TITLE FIELD FOR FREE FORM NOTE 1'	S
@1059		List_item_usage to Notation (entry_notes)	@986.1	M
@1032.1 7	4	Notation	#103, #54, 'notation'	M
@1033.1 7	*	Notation.note	#103, '616ICD00001'	S
@1038.1 7	*	Notation.note_title	#103, 'INTERFACE CONTROL DATABASE NUMBER'	S
@1059		List_item_usage to Notation (entry_notes)	@986.1	M
@1032.1 8	4	Notation	#100, #51, 'notation'	M
@1033.1 8	*	Notation.note	#100, 'VALUE PS1 PER 616PROCSPEC001 VALUE PS2'	S
@1038.1 8	*	Notation.note_title	#100, 'PROCESS SPECIFICATION'	S
@1059		List_item_usage to Notation (entry_notes)	@986.1	M
@1032.1 9	4	Notation	#102, #53, 'notation'	M
@1033.1 9	*	Notation.note	#102, 'TEXT FIELD FOR STRUCTURED NOTE 1'	S

Table 6 – Application elements for 4SMPL_revised (continued)

Id	V	Application Elements	Value	Req
@1038.1 9	*	Notation.note_title	#102, 'TITLE FIELD FOR STRUCTURED NOTE 1 VALUE 1 VALUE 2'	S
@1059		List_item_usage to Notation (entry_notes)	@986.1	M
@1032.2 0	4	Notation	#104, #55, 'notation'	M
@1033.2 0	*	Notation.note	#104, '616FIN00001 DESCRIPTION FIELD FOR FINISH NOTE COLOR DEFINITION GOES HERE APPLICATION INFORMATION GOES HERE FINISH LOCATION GOES HERE'	S
@1038.2 0	*	Notation.note_title	#104, 'FINISH – SEQUENCE 1'	S
@1059		List_item_usage to Notation (entry_notes)	@986.1	M
@1032.2 1	4	Notation	#93, #63, 'notation'	M
@1033.2 1	*	Notation.note	#93, 'TYPE – Fulfills Function, EQUIPMENT NUMBER EF6160004, DESCRIPTION FIELD FOR EQUIPMENT FUNCTION.'	S
@1038.2 1	*	Notation.note_title	#93, 'FUNCTIONAL LINK'	S
@1045.2 1	*	Notation to Element_identification (referenced_document_in_note)	@503.6	M
@1059		List_item_usage to Notation (entry_notes)	@986.1	M
@1032.2 2	4	Notation	#94, #64, 'notation'	M
@1033.2 2	*	Notation.note	#94, 'TYPE – Fulfills Function, EQUIPMENT NUMBER EEF6160004, WIRS MODEL NUMBER 737, DESCRIPTION FIELD FOR ELECTRICAL EQUIPMENT FUNCTION.'	S

Table 6 – Application elements for 4SMPL_revised (continued)

Id	V	Application Elements	Value	Req
@1038.2 2	*	Notation.note_title	#94, 'FUNCTIONAL LINK'	S
@1045.2 2	*	Notation to Element_identification (referenced_document_in_note)	@503.7	M
@1059		List_item_usage to Notation (entry_notes)	@986.1	M
@1032.2 3	4	Notation	#1141, #61, 'notation'	M
@1033.2 3	*	Notation.note	#1141, 'SUBKIT FOR 616ECPPAE900, ENGINEERING PART. THIS IS THE TITLE FIELD FOR INSTALLATION PLAN'	S
@1038.2 3	*	Notation.note_title	#1141, 'INSTALLATION PLAN'	S
@1059		List_item_usage to Notation (entry_notes)	@986.2	M
@1032.2 4	4	Notation	#1142, #62, 'notation'	M
@1033.2 4	*	Notation.note	#1142, 'SUBKIT FOR 616ECPPAE900, ENGINEERING PART. THIS IS THE TITLE FIELD FOR SECOND INSTALLATION PLAN'	S
@1038.2 4	*	Notation.note_title	#1142, 'INSTALLATION PLAN'	S
@1059		List_item_usage to Notation (entry_notes)	@986.2	M
@1032.2 5	3	Notation	#92, #59, 'notation'	M
@1033.2 5	*	Notation.note	#92, '616ARABAB100'	S
@1038.2 5	*	Notation.note_title	#92, 'DRAWING'	S
@1045.2 5	*	Notation to Element_identification (referenced_document_in_note)	@503.5	M
@1059		List_item_usage to Notation (entry_notes)	@986.2	M

Table 6 – Application elements for 4SMPL_revised (continued)

Id	V	Application Elements	Value	Req
@1032.2 6	3	Notation	#114, #59, 'notation'	M
@1033.2 6	*	Notation.note	#114, '123'	S
@1038.2 6	*	Notation.note_title	#114, 'ROUTING AREA CODE'	S
@1059		List_item_usage to Notation (entry_notes)	@986.2	M
@1032.2 7	4	Notation	#101, #52, 'notation'	M
@1033.2 7	*	Notation.note	#101, 'TEXT FIELD FOR FREE FORM NOTE 2'	S
@1038.2 7	*	Notation.note_title	#101, 'TITLE FIELD FOR FREE FORM NOTE 2'	S
@1059		List_item_usage to Notation (entry_notes)	@986.2	M
@1032.2 8	4	Notation	#105, #56, 'notation'	M
@1033.2 8	*	Notation.note	#105, 'TEXT FIELD FOR STRUCTURED NOTE 2'	S
@1038.2 8	*	Notation.note_title	#105, 'TITLE FIELD FOR STRUCTURED NOTE 2 VALUE 1 VALUE 2'	S
@1059		List_item_usage to Notation (entry_notes)	@986.2	M
@1032.9 9		Notation	#95, #65, 'notation'	M
@1033.9 9		Notation.note	#95, 'NOTICE – THE INFORMATION CONTAINED HEREIN IS PROPRIETARY.'	S
@1037		Notation.note_title	<not_present>	M
@1042		Notation.type_of_notation	#10, #11, 'type of notation', #12, 'STANDARD NOTES'	C5
@1045.9 9		Notation to Element_identification (referenced_document_in_note)	@503.9	M
@1063		Parts_list_body to Notation (notes_list)	@1158	M

Table 6 – Application elements for 4SMPL_revised (continued)

Id	V	Application Elements	Value	Req
@1285.1		Reference_document (as Other_reference_document)	#252, #298, #282, 'document', #274, #287, 'reference document'	M
@1288.1		Reference_document to Element_identification (document_identification)	@503.2	M
@1119.1		Other_reference_document	#252, #298, #282, 'document', #2401, #2403, #317, 'reference document'	M
@1128		Change_identification to Other_reference_document (revision_authorization_identifications)	@112	M
@1285.2		Reference_document (as Other_reference_document)	#253, #299, #282, 'document', #274, #287, 'reference document'	M
@1288.2		Reference_document to Element_identification (document_identification)	@503.8	M
@1119.2		Other_reference_document	#253, #299, #282, 'document', #2402, #2403, #317, 'reference document'	M
@1128		Change_identification to Other_reference_document (revision_authorization_identifications)	@112	M
@1591		Tdp_element (as Associated_list)	#261, #295, #282, 'document', #271, #283, 'parts list'	M
@1595		Tdp_element_and_item_association to Tdp_element (related_tdp_element)	@1597	M
@71		Associated_list (as Parts_list)	#261, #295, #283, 'parts list'	M
@1153	*	Parts_list	#261, #295, #282, 'document', #271, #283, 'parts list'	M
@1154		Parts_list to Parts_list_body (list_body)	@1156	M
@1155		Parts_list to Parts_list_header (list_header)	@1169	M
@1156	*	Parts_list_body	#225, 'parts list body'	M
@1158		Parts_list_body to Notation (list_notes)	@1032.99	M
@1161		Parts_list_body to Item_list (parts_tabulations)	@910.1, #68, 'parts tabulation', @910.2, #69,	M

Table 6 – Application elements for 4SMPL_revised (continued)

Id	V	Application Elements	Value	Req
@1167	*	Parts_list_body to Revision (revision_history)	'parts tabulation', @910.3, #70, 'parts tabulation', @910.4, #67, 'parts tabulation'	M
@1168		Parts_list to Parts_list_body (list_body)	@1154	M
@1169	*	Parts_list_header	#138, 'parts list header'	M
@1170		Parts_list_header to Header (common_header)	@688	M
@1171		Parts_list to Parts_list_header (list_header)	@1155	M
@1172		Person	#212	M
@1176		Person.last_name	#212, 'NULL'	S
@1181	*	Person.unique_identifier	#212, 'Warren Peace'	S
@1184		Design_authority to Person (person_responsible)	@449	M
@1205	*	Product_configuration	#128	M
@1206	*	Product_configuration.configuration_id	#128, '616SCPPAM100'	S
@12092	*	Product_configuration to Item_identification (design_item)	@869.2	M
@1210		Product_configuration to Product_model (product_name)	@1238	M
@1211		Configuration to Product_configuration (end_item_system_designation)	@171	M
@1214		Effectivity to Product_configuration (product)	@498.1 - @498.4	M
@1238	*	Product_model	#129	M
@1239	*	Product_model.model_name	#129, '737'	S
@1240		Product_configuration to Product_model (product_name)	@1210	M
@1251.1	*	Quantity	#1262	M
@1256.1	*	Quantity.quantity_accuracy	#1263, #1264, 'exact'	M
@1257.1	*	Quantity.value	#1262, 3	S

Table 6 – Application elements for 4SMPL_revised (continued)

Id	V	Application Elements	Value	Req
@1261	*	Item_usage to Quantity (quantity_used_in_next_higher_assembly)	@962.1	M
@1251.2	*	Quantity	#1265	M
@1252	*	Quantity.quantity_accuracy	<not_present>	M
@1257.2	*	Quantity.value	#1265, 2	S
@1262	*	Item_usage to Quantity (quantity_used_in_next_higher_assembly)	@962.2, @962.7	M
@1251.3	*	Quantity	#1262	M
@1256.3	*	Quantity.quantity_accuracy	#1263, #1264, 'exact'	M
@1257.3	*	Quantity.value	#1262, 3	S
@1261		Item_usage to Quantity (quantity_used_in_next_higher_assembly)	@962.3	M
@1251.4	*	Quantity	#1267	M
@1254.4	*	Quantity.quantity_accuracy	#1268, #1269, 'approximate'	M
@1257.4	*	Quantity.value	#1267, 2	S
@1262		Item_usage to Quantity (quantity_used_in_next_higher_assembly)	@962.4, @962.6	M
@1317		Release_authentication	#168	M
@1318		Release_authentication.authentication	#167, 'PDM'	S
@1321		Release_authentication to Company (release_authority)	@134.1, #135, #136, 'release authentication'	M
@1324		Release_authentication to Date (release_date)	@397, #173, #143, #175, 'release authentication'	M
@1325		Configuration to Release_authentication (release_authorizations)	@176	M
@1327.1	*	Retrofit_usage	#192, #147, #177, 'retrofit usage'	M
@1328	*	Retrofit_usage.disposition_for	#183, #208, 'add'	M
@1331	*	Retrofit_usage to Other_reference_document (defining_document)	<not_present>	M

Table 6 – Application elements for 4SMPL_revised (continued)

Id	V	Application Elements	Value	Req
@1333	*	Retrofit_usage to Notation (retrofit_description)	<not_present>	M
@1335	*	Item_usage to Retrofit_usage (retrofit)	@964.9	M
@1327.2	*	Retrofit_usage	#193, #148, #177, 'retrofit usage'	M
@1329	*	Retrofit_usage.disposition_for	#184, #209, 'delete'	M
@1335		Item_usage to Retrofit_usage (retrofit)	@964.10	M
@1327.3	*	Retrofit_usage	#1931, #1481, #177, 'retrofit usage'	M
@1330	*	Retrofit_usage.disposition_for	#1841, #2091, 'modify'	M
@1335		Item_usage to Retrofit_usage (retrofit)	@964.11	M
@1337.1	*	Revision	#2031, 'change identification'	M
@1338	*	Revision.revision_description	<not_present>	M
@1340.1	*	Revision.revision_level	#1812, 'change identification level', #1881, ('A', 'revision')	S
@1341	*	Revision to Other_reference_document (authorizing_documents)	<not_present>	M
@1344	*	Revision to Person_and_organization (revision_approval)	<not_present>	M
@1346	*	Revision to Date (revision_date)	<not_present>	M
@1358	*	Parts_list_body to Revision (revision_history)	@1167	M
@1337.2	*	Revision	#2031, 'change identification'	M
@1340.2	*	Revision.revision_level	#1813, 'change identification level', #1882, ('1', 'change')	S
@1358		Parts_list_body to Revision (revision_history)	@1167	M
@1360		Security_classification	#133	M
@1361		Security_classification.item_classification	#133, 'item security classification', #134, 'PROPRIETARY'	C6
@1368		Configuration to Security_classification (security_identifications)	@179	M

Table 6 – Application elements for 4SMPL_revised (continued)

Id	V	Application Elements	Value	Req
@492.1	*	Effectivity (as Sequence_effectivity)	#26	M
@494.1	*	Effectivity.description	#22, 'availability'	S
@498.1	*	Effectivity to Product_configuration (product)	@1205	M
@501	*	Item_usage to Effectivity (effective_on)	@958.1	M
@1372.1	*	Sequence_effectivity	#26	M
@1373.1	*	Sequence_effectivity.from_effectivity_id	#26, '110'	S
@1377.1	*	Sequence_effectivity.thru_effectivity_id	#26, '99999'	S
@492.2		Effectivity (as Sequence_effectivity)	#27	M
@494.2		Effectivity.description	#23, 'availability'	S
@498.2		Effectivity to Product_configuration (product)	@1205	M
@501		Item_usage to Effectivity (effective_on)	@958.2	M
@1372.2		Sequence_effectivity	#27	M
@1373.2		Sequence_effectivity.from_effectivity_id	#27, '120'	S
@1377.2		Sequence_effectivity.thru_effectivity_id	#27, '99999'	S
@492.3		Effectivity (as Sequence_effectivity)	#28	M
@494.3		Effectivity.description	#24, 'availability'	S
@498.3		Effectivity to Product_configuration (product)	@1205	M
@501		Item_usage to Effectivity (effective_on)	@958.6	M
@1372.3		Sequence_effectivity	#28	M
@1373.3		Sequence_effectivity.from_effectivity_id	#28, '110'	S
@1377.3		Sequence_effectivity.thru_effectivity_id	#28, '99999'	S
@492.4		Effectivity (as Sequence_effectivity)	#29	M
@494.4		Effectivity.description	#25, 'availability'	S
@498.4		Effectivity to Product_configuration (product)	@1205	M
@501		Item_usage to Effectivity (effective_on)	@958.7	M
@1372.4		Sequence_effectivity	#29	M

Table 6 – Application elements for 4SMPL_revised (concluded)

Id	V	Application Elements	Value	Req
@1373.4		Sequence_effectivity.from_effectivity_id	#29, '120'	S
@1377.4		Sequence_effectivity.thru_effectivity_id	#29, '99999'	S
@1480	*	Status	#125	M
@1481	*	Status.status_code	#125, 'Approved'	S
@1484		Change_identification to Status (action_status)	@106	M
@1597		Tdp_element_and_item_association	#131	M
@1598		Tdp_element_and_item_association to Item (related_item)	@837.1	M
@1599		Tdp_element_and_item_association to Tdp_element (related_tdp_element)	@1595	M
@1640		Time	#170	M
@1641		Time.hour	#170, 21	S
@1643		Time.minute	#170, 42	S
@1645		Time.second	#170, 15.296	S
@1646		Time.zone	#169, -8	S
@1647		Date to Time (specific_time)	@406	M

6.6.1.3 Verdict criteria

The following general verdict criteria apply: gvc1, gvc2, and gvc3.

The verdict criteria derivable from the application elements with non-blank entries in the V column of the preprocessor input specification table apply.

The following preprocessor-specific verdict criteria apply:

vc1: The instances of descriptive_representation_item that correspond to @1032.3 through @1032.11 are all referenced by the items attribute of the same instance of representation.

vc2: The instances of descriptive_representation_item that correspond to @1032.12 through @1032.14 are all referenced by the items attribute of the same instance of representation.

vc3: The instances of descriptive_representation_item that correspond to @1032.25 and @1032.26 are both referenced by the items attribute of the same instance of representation.

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vc4: The instance of `descriptive_representation_item` that corresponds to `@1032.n` is referenced by the `items` attribute of a unique instance of `representation`.

6.6.1.4 Constraints on values

The following constraints apply as referenced in the input specification table:

- c1: The value '1' is suggested; all other attribute values are mandatory.
- c2: The value 'B'; is suggested; all other attribute values are mandatory.
- c3: The value 'B'; is suggested; all other attribute values are mandatory.
- c4: The value 'Work Group.Group Code'; is suggested; all other attribute values are mandatory.
- c5: The value 'STANDARD NOTES'; is suggested; all other attribute values are mandatory.
- c6: The value 'PROPRIETARY'; is suggested; all other attribute values are mandatory.

6.6.1.5 Execution sequence

Test cases `4SMPL_initial` and `6SCML_initial` must be completed before this test case can be performed.

6.6.2 Postprocessor

6.6.2.1 Test purpose coverage

The following general test purposes are covered: `g1`, `g4`, and `g5`.

The following other test purposes are covered: `other2`, `other5`, and `other6`.

In the preprocessor input specification table of this test case, the numbers in the `Id` column (ignoring the part beyond the decimal point, if any) whose rows are not empty in the `V` column identify the AE test purposes that are covered by this test case.

6.6.2.2 Input specification

The postprocessor input specification is provided in electronic form only. See annex C.

6.6.2.3 Verdict criteria

The following general verdict criteria apply: `gvc1`, `gvc4`, and `gvc5`.

The verdict criteria derivable from the application elements with non-blank entries in the `V` column of the preprocessor input specification table apply.

The following specific verdict criteria apply: none apply.

6.6.2.4 Execution sequence

Test cases 4SMPL_initial and 6SCML_initial must be completed before this test case can be performed.

6.7 4SMPL_em

The purpose of this test case is to create the type of Parts List called a Supplier Module Parts List (SMPL) for an Exception Module. The main characteristics of the test case are the absence of design revision identification and the presentation of life_cycle_stage 'manufacturing' data only.

NOTE See Figures E.27 through E.30 and E.7 for instance diagrams of the application elements.

6.7.1 Preprocessor

6.7.1.1 Test purposes covered

In the preprocessor input specification table of this test case, the numbers in the Id column (ignoring the part beyond the decimal point, if any), whose rows are not empty in the V column identify the AE test purposes that are covered by this test case.

The following general test purposes are covered: g1, g2, and g3.

The following other test purposes are covered: other1, other21, other34, other43, and other48.

6.7.1.2 Input specification

Table 7 – Application elements for 4SMPL_em

Id	V	Application Elements	Value	Req
@12	*	Alternate_element_identification	#143, #160, #149, 'document'	M
@13	*	Alternate_element_identification.identifying_number	#160, '616EMODPAM900#0000001A'	S
@18		Alternate_element_identification to Design_authority (design_activity)	@444.1	M
@20		Alternate_element_identification to Element_type (element_classifications)	@550.2	M
@25		Element_identification to Alternate_element_identification (alternate_identifications)	@5062	M
@84.1	*	Change_identification	#102, 'change identification'	M
@86.1	*	Change_identification.change_code	#102, 'change'	M

Table 7 – Application elements for 4SMPL_em (continued)

Id	V	Application Elements	Value	Req
@95.1	*	Change_identification.change_level	#88, 'change identification level', #93, ('1', 'change')	C1
@99	*	Change_identification.revision_authorization_identifications	#100, '1234-1234'	S
@103	*	Change_identification.revision_level	<not_present>	M
@119		Element_identification to Change_identification (change_status)	@508	M
@84.2	*	Change_identification	#101, 'change identification'	M
@86.2	*	Change_identification.change_code	#101, 'change'	M
@93		Change_identification.change_description	#105, 'DESCRIPTION FIELD FOR MANUFACTURING CHANGE LEVEL DESCRIPTION'	S
@95.2	*	Change_identification.change_level	#90, 'change identification level', #95, ('1', 'change')	C1
@106		Change_identification to Status (action_status)	@1480	M
@108		Change_identification to Date (change_date)	@397	M
@111		Change_identification to Other_reference_document (revision_authorization_identifications)	@1119, #74, #68, #86, 'revision authorization identification', #71, #42, #137	M
@123		Item_identification to Change_identification (change)	@878	M
@84.9		Change_identification	#103, 'change identification'	M
@90.9		Change_identification.change_code	#103, 'revision'	M
@104.9		Change_identification.revision_level	#91, 'change identification level', #96, ('B', 'revision'), #99, #69, #84, 'change identification', #139, 'B'	C2
@119		Element_identification to Change_identification (change_status)	@508.99	M
@134.1		Company	#118	M
@136		Company.address	#110, ('Headquarters', 'Drizzle', 'WA', '99999')	S

Table 7 – Application elements for 4SMPL_em (continued)

Id	V	Application Elements	Value	Req
@137.1		Company.name	#118, 'The Errorspace Company'	S
@144.1		Design_authority to Company (design_activity_identification)	@445.1	M
@148		Release_authentication to Company (release_authority)	@1321	M
@134.2		Company	#119	M
@137.2		Company.name	#119, 'The Errorspace Company'	S
@144.2		Design_authority to Company (design_activity_identification)	@445.2	M
@134.3		Company	#120	M
@137.3		Company.name	#120, 'The Errorspace Company'	S
@144.3		Design_authority to Company (design_activity_identification)	@445.3	M
@152.1		Company_code	#118	M
@153.1		Company_code.code	#111, '99999'	S
@155.1		Company_code.type_of_code	#113, ('alias id', 'CAGE')	M
@158.1		Design_authority to Company_code (design_activity_code)	@447.1	M
@152.2		Company_code	#119	M
@153.2		Company_code.code	#112, 'P3124'	S
@155.2		Company_code.type_of_code	#114, ('alias id', 'Work Group.Group Code')	C3
@158.2		Design_authority to Company_code (design_activity_code)	@447.2	M
@164		Configuration	#62	M
@171		Configuration to Product_configuration (end_item_system_designation)	@1205	M
@176		Configuration to Release_authentication (release_authorizations)	@1317, #61, #661, #85, 'release authentication'	M

Table 7 – Application elements for 4SMPL_em (continued)

Id	V	Application Elements	Value	Req
@179		Configuration to Security_classification (security_identifications)	@1360	M
@181		Header_configuration_with_element_identification to Configuration (data_configuration)	@722	M
@397		Date	#81	M
@399		Date.day	#81, 02	S
@401		Date.month	#81, 11	S
@404		Date.year	#81, 2000	S
@406		Date to Time (specific_time)	@1640	M
@409		Change_identification to Date (change_date)	@108	M
@423		Release_authentication to Date (release_date)	@1324	M
@444.1		Design_authority	#115, #1151	M
@4442		Design_authority.role	#117, 'id owner', #1171, 'creator'	M
@445.1		Design_authority to Company (design_activity_identification)	@134.1	M
@447.1		Design_authority to Company_code (design_activity_code)	@152.1	M
@450		Alternate_element_identification to Design_authority (design_activity)	@18	M
@454		Element_identification to Design_authority (design_activities)	@509.1	M
@456		Item_identification to Design_authority (design_activity)	@882.2	M
@444.2		Design_authority	#106, #107	M
@4442		Design_authority.role	#117, 'id owner', #1171, 'creator'	M
@445.2		Design_authority to Company (design_activity_identification)	@134.2	M
@447.2		Design_authority to Company_code (design_activity_code)	@152.2	M

Table 7 – Application elements for 4SMPL_em (continued)

Id	V	Application Elements	Value	Req
@454		Element_identification to Design_authority (design_activities)	@509.2	M
@456		Item_identification to Design_authority (design_activity)	@882.1	M
@444.3		Design_authority	#116, #1161	M
@4442		Design_authority.role	#117, 'id owner', #1171, 'creator'	M
@445.3		Design_authority to Company (design_activity_identification)	@134.3	M
@455		Element_identification to Design_authority (design_activities)	@509.3, @509.9	M
@456		Item_identification to Design_authority (design_activity)	@882.3	M
@489	*	Effectivity	#50	M
@493	*	Effectivity.description	<not_present>	M
@498		Effectivity to Product_configuration (product)	@1205	M
@501		Item_usage to Effectivity (effective_on)	@958	M
@503.1	*	Element_identification	#141, #159, #149, 'document'	M
@504.1	*	Element_identification.identifying_number	#159, '616SCPPAM100,616EMOD PAM900'	S
@506.1	*	Element_identification.title	#159, 'THIS IS THE TITLE FIELD FOR AN EXCEPTION MODULE – Exception Module, Affects 616MODPAM900'	S
@5062		Element_identification to Alternate_element_identification (alternate_identifications)	@12, #136, 'alternate element identification'	M
@508.1		Element_identification to Change_identification (change_status)	@84.1, #97, #65, #84, 'change identification'	M
@509.1		Element_identification to Design_authority (design_activities)	@444.1	M

Table 7 – Application elements for 4SMPL_em (continued)

Id	V	Application Elements	Value	Req
@511.1		Element_identification to Element_type (element_classifications)	@550.1	M
@526		Header_configuration_with_element_identification to Element_identification (identification)	@723	M
@503.2	*	Element_identification	#137, #162, #149, 'document'	M
@504.2	*	Element_identification.identifying_number	#162, '23341'	S
@506.2		Element_identification.title	#162, 'Change Identifier.Change Number'	S
@509.2		Element_identification to Design_authority (design_activities)	@444.2	M
@512.2		Element_identification to Element_type (element_classifications)	@550.3, @550.4	M
@520		Reference_document to Element_identification (document_identification)	@1288	M
@503.3	*	Element_identification	#138, #164, #149, 'document'	M
@504.3	*	Element_identification.identifying_number	#164, '616PSTBAB100,1'	S
@509.3	*	Element_identification to Design_authority (design_activities)	@444.3	M
@511.3	*	Element_identification to Element_type (element_classifications)	@550.5	M
@536	*	Notation to Element_identification (referenced_document_in_note)	@1045.8	M
@503.9	*	Element_identification	#139, #165, #149, 'document'	M
@504.9	*	Element_identification.identifying_number	#165, 'EDS-1057_SMPL'	S
@508.9	*	Element_identification to Change_identification (change_status)	@84.9	M
@509.9	*	Element_identification to Design_authority (design_activities)	@444.3	M
@536		Notation to Element_identification (referenced_document_in_note)	@1045.99	M
@550.1		Element_type	#151	M

Table 7 – Application elements for 4SMPL_em (continued)

Id	V	Application Elements	Value	Req
@551.1		Element_type.element_code	#151, 'Supplier Module Parts List'	S
@553.1		Element_type.type_of_coding_scheme	#151, 'Distribution Product'	S
@558		Element_identification to Element_type (element_classifications)	@511.1	M
@550.2		Element_type	#152	M
@551.2		Element_type.element_code	#152, 'SMPL IDENTIFIER'	S
@556		Alternate_element_identification to Element_type (element_classifications)	@22	M
@550.3		Element_type	#155	M
@551.3		Element_type.element_code	#155, 'PRR'	S
@553.3		Element_type.type_of_coding_scheme	#155, 'Change Identifier.Change Type'	S
@558		Element_identification to Element_type (element_classifications)	@511.2	M
@550.4		Element_type	#156	M
@551.4		Element_type.element_code	#156, 'NA'	S
@553.4		Element_type.type_of_coding_scheme	#156, 'Change Identifier .Customer Variable'	S
@558		Element_identification to Element_type (element_classifications)	@511.2	M
@550.5		Element_type	#158	M
@551.5		Element_type.element_code	#158, 'drawing'	S
@558		Element_identification to Element_type (element_classifications)	@511.3	M
@688		Header	#62	M
@699		Header to Header_configuration_with_element_identification (header_configuration)	@721	M
@705		Parts_list_header to Header (common_header)	@1170	M
@721		Header_configuration_with_element_identification	#62	M

Table 7 – Application elements for 4SMPL_em (continued)

Id	V	Application Elements	Value	Req
@722		Header_configuration_with_element_identification to Configuration (data_configuration)	@164	M
@723		Header_configuration_with_element_identification to Element_identification (identification)	@503.1	M
@726		Header to Header_configuration_with_element_identification (header_configuration)	@699	M
@837.1	*	Item	#122	M
@839		Item.item_contexts	#140, #161, #167, 'Production'	S
@850.1		Item to Item_identification (identification)	@869.1	M
@867		Tdp_element_and_item_association to Item (related_item)	@1598	M
@837.2	*	Item	#125	M
@850.2	*	Item to Item_identification (identification)	@869.2	M
@861	*	Item_usage to Item (being_defined_for)	@956	M
@869.1	*	Item_identification	#140	M
@870.1	*	Item_identification.identifying_number	#161, '616EMODPAM900'	S
@878		Item_identification to Change_identification (change)	@84.2, #98, #67, #84, 'change identification'	M
@880.1		Item_identification to Item_type (classifications)	@945.1	M
@882.1		Item_identification to Design_authority (design_activity)	@444.2	M
@896		Item to Item_identification (identification)	@850.1	M
@898		Item_list to Item_identification (list_for)	@921	M
@869.2	*	Item_identification	#1401	M
@870.2	*	Item_identification.identifying_number	#1611, '616SCPPAM100'	S
@880.2		Item_identification to Item_type (classifications)	@945.2	M
@882.2		Item_identification to Design_authority (design_activity)	@444.1	M
@8921		Product_configuration to Item_identification (design_item)	@12092	M

Table 7 – Application elements for 4SMPL_em (continued)

Id	V	Application Elements	Value	Req
@869.3	*	Item_identification	#142	M
@870.3	*	Item_identification.identifying_number	#163, '616INFPAM900'	S
@873.3	*	Item_identification.nomenclature_or_name	#163, 'DESCRIPTION FIELD FOR INSTALLATION FEATURE'	S
@880.3	*	Item_identification to Item_type (classifications)	@945.3	M
@882.3	*	Item_identification to Design_authority (design_activity)	@444.3	M
@896		Item to Item_identification (identification)	@850.2	M
@910	*	Item_list	#123, #26, #129, 'item list'	M
@911	*	Item_list.type_of_component_list	#27, #132, 'module installation requirements'	S
@918	*	Item_list to Item_usage (component_of)	@953	M
@921	*	Item_list to Item_identification (list_for)	@869.1	M
@923	*	Parts_list_body to Item_list (parts_tabulations)	@1160	M
@945.1	*	Item_type	#153	M
@946.1	*	Item_type.item_code	#153, 'exception module'	S
@951	*	Item_identification to Item_type (classifications)	@880.1	M
@945.2		Item_type	#1531	M
@946.2		Item_type.item_code	#1531, 'supplier custom part'	S
@951		Item_identification to Item_type (classifications)	@880.2	M
@945.3		Item_type	#157	M
@946.3		Item_type.item_code	#157, 'part'	S
@951		Item_identification to Item_type (classifications)	@880.3	M
@953	*	Item_usage	#48, 'item usage'	M
@956	*	Item_usage to Item (being_defined_for)	@837.2, #125, #28, #131, 'item in list'	M
@958	*	Item_usage to Effectivity (effective_on)	@489	M
@960	*	Item_usage to List_item_usage (list_item)	@971	M

Table 7 – Application elements for 4SMPL_em (continued)

Id	V	Application Elements	Value	Req
@968	*	Item_list to Item_usage (component_of)	@918	M
@971	*	List_item_usage	#48	M
@986	*	List_item_usage to Notation (entry_notes)	@1032.3 - @1032.9	M
@987	*	Item_usage to List_item_usage (list_item)	@960	M
@1032.1	*	Notation	#35, #18, 'notation'	M
@1033.1	*	Notation.note	#35, 'TWILIGHT ZONE'	S
@1038.1	*	Notation.note_title	#35, 'AIRPLANE MAINTENANCE ZONE'	S
@1059	*	List_item_usage to Notation (entry_notes)	@986	M
@1032.2	1	Notation	#36, #18, 'notation'	M
@1033.2	*	Notation.note	#36, 'Left Body X = 120A+12.25 Y = -98.133 Z = 118.55'	S
@1038.2	*	Notation.note_title	#36, 'COORDINATE SYSTEM LOCATION'	S
@1059		List_item_usage to Notation (entry_notes)	@986	M
@1032.3	1	Notation	#37, #18, 'notation'	M
@1033.3	*	Notation.note	#37, 'FIND NUMBER 12'	S
@1038.3	*	Notation.note_title	#37, 'FIND NUMBER'	S
@1059		List_item_usage to Notation (entry_notes)	@986	M
@1032.4	1	Notation	#38, #18, 'notation'	M
@1033.4	*	Notation.note	#38, '989'	S
@1038.4	*	Notation.note_title	#38, 'FLAG MARKER'	S
@1059		List_item_usage to Notation (entry_notes)	@986	M
@1032.5	1	Notation	#39, #18, 'notation'	M
@1033.5	*	Notation.note	#39, '600'	S

Table 7 – Application elements for 4SMPL_em (continued)

Id	V	Application Elements	Value	Req
@1038.5	*	Notation.note_title	#39, 'INSTALLATION NUMBER'	S
@1059		List_item_usage to Notation (entry_notes)	@986	M
@1032.6	1	Notation	#40, #18, 'notation'	M
@1033.6	*	Notation.note	#40, 'ABC'	S
@1038.6	*	Notation.note_title	#40, 'MISCELLANEOUS LOCATION'	S
@1059		List_item_usage to Notation (entry_notes)	@986	M
@1032.7	1	Notation	#41, #18, 'notation'	M
@1033.7	*	Notation.note	#41, '99D15'	S
@1038.7	*	Notation.note_title	#41, 'ZONE'	S
@1059		List_item_usage to Notation (entry_notes)	@986	M
@1032.8	1	Notation	#32, #18, 'notation'	M
@1033.8	*	Notation.note	#32, '616PSTBAB100 SHEET 1'	S
@1038.8	*	Notation.note_title	#32, 'DRAWING'	S
@1045.8	*	Notation to Element_identification (referenced_document_in_note)	@503.3	M
@1059		List_item_usage to Notation (entry_notes)	@986	M
@1032.9	2	Notation	#34, #17, 'notation'	M
@1033.9	*	Notation.note	#34, 'TEXT FIELD FOR FREE FORM NOTE 1'	S
@1038.9	*	Notation.note_title	#34, 'TITLE FIELD FOR FREE FORM NOTE 1'	S
@1059		List_item_usage to Notation (entry_notes)	@986.1	M
@1032.9 9		Notation	#33, #19, 'notation'	M
@1033.9 9		Notation.note	#33, 'NOTICE – THE INFORMATION CONTAINED HEREIN IS PROPRIETARY.'	S

Table 7 – Application elements for 4SMPL_em (continued)

Id	V	Application Elements	Value	Req
@1042		Notation.type_of_notation	#10, #11, 'type of notation', #12, 'STANDARD NOTES'	C4
@1045.9		Notation to Element_identification (referenced_document_in_note)	@503.9	M
@1063		Parts_list_body to Notation (notes_list)	@1158	M
@1285		Reference_document (as Other_reference_document)	#137, #162, #149, 'document', #147, #154, 'reference document'	M
@1288		Reference_document to Element_identification (document_identification)	@503.2	M
@1119		Other_reference_document	#137, #162, #149, 'document', #126, #130, #169, 'reference document'	M
@1128		Change_identification to Other_reference_document (revision_authorization_identifications)	@111	M
@1591		Tdp_element (as Associated_list)	#141, #159, #149, 'document', #144, #150, 'parts list'	M
@1595		Tdp_element_and_item_association to Tdp_element (related_tdp_element)	@1597	M
@71		Associated_list (as Parts_list)	#141, #159, #150 'parts list'	M
@1153	*	Parts_list	#141, #159, #149, 'document', #144, #150, 'parts list'	M
@1154		Parts_list to Parts_list_body (list_body)	@1156	M
@1155		Parts_list to Parts_list_header (list_header)	@1169	M
@1156	*	Parts_list_body	#121, 'parts list body'	M
@1158		Parts_list_body to Notation (list_notes)	@1032.99	M
@1160	*	Parts_list_body to Item_list (parts_tabulations)	@910, #22, 'parts tabulation'	M
@1168		Parts_list to Parts_list_body (list_body)	@1154	M
@1169	*	Parts_list_header	#62, 'parts list header'	M
@1170		Parts_list_header to Header (common_header)	@688	M
@1171		Parts_list to Parts_list_header (list_header)	@1155	M

Table 7 – Application elements for 4SMPL_em (continued)

Id	V	Application Elements	Value	Req
@1205	*	Product_configuration	#52	M
@1206	*	Product_configuration.configuration_id	#52, '616SCPPAM100'	S
@12092		Product_configuration to Item_identification (design_item)	@869.2	M
@1210		Product_configuration to Product_model (product_name)	@1238	M
@1211		Configuration to Product_configuration (end_item_system_designation)	@171	M
@1213		Effectivity to Product_configuration (product)	@498	M
@1238	*	Product_model	#53	M
@1239	*	Product_model.model_name	#53, '737'	S
@1240		Product_configuration to Product_model (product_name)	@1210	M
@1317		Release_authentication	#78	M
@1318		Release_authentication.authentication	#77, 'PDM'	S
@1321		Release_authentication to Company (release_authority)	@134.1, #59, #60, 'release authentication'	M
@1324		Release_authentication to Date (release_date)	@397, #83, #66, #85, 'release authentication'	M
@1325		Configuration to Release_authentication (release_authorizations)	@176	M
@1360		Security_classification	#57	M
@1361		Security_classification.item_classification	#57, 'item security classification', #58, 'PROPRIETARY'	C5
@1368		Configuration to Security_classification (security_identifications)	@179	M
@1480	*	Status	#47	M
@1481	*	Status.status_code	#47, 'Approved'	S
@1484		Change_identification to Status (action_status)	@106	M

Table 7 – Application elements for 4SMPL_em (concluded)

Id	V	Application Elements	Value	Req
@1597		Tdp_element_and_item_association	#55	M
@1598		Tdp_element_and_item_association to Item (related_item)	@837.1	M
@1599		Tdp_element_and_item_association to Tdp_element (related_tdp_element)	@1595	M
@1640		Time	#80	M
@1641		Time.hour	#80, 21	S
@1643		Time.minute	#80, 42	S
@1645		Time.second	#80, 15.296	S
@1646		Time.zone	#79, -8	S
@1647		Date to Time (specific_time)	@406	M

6.7.1.3 Verdict criteria

The following general verdict criteria apply: gvc1, gvc2, and gvc3.

The verdict criteria derivable from the application elements with non-blank entries in the V column of the preprocessor input specification table apply.

The following preprocessor-specific verdict criteria apply:

vc1: The instances of descriptive_representation_item that correspond to @1032.2 through @1032.8 are all referenced by the items attribute of the same instance of representation.

vc2: The instance of descriptive_representation_item that corresponds to @1032.9 is referenced by the items attribute of a unique instance of representation.

6.7.1.4 Constraints on values

The following constraints apply as referenced in the input specification table:

c1: The value '1' is suggested; all other attribute values are mandatory.

c2: The value 'B'; is suggested; all other attribute values are mandatory.

c3: The value 'Work Group.Group Code'; is suggested; all other attribute values are mandatory.

c4: The value 'STANDARD NOTES'; is suggested; all other attribute values are mandatory.

c5: The value 'PROPRIETARY'; is suggested; all other attribute values are mandatory.

6.7.2 Postprocessor

6.7.2.1 Test purpose coverage

The following general test purposes are covered: g1, g4, and g5.

The following other test purposes are covered: other2, other5, and other6.

In the preprocessor input specification table of this test case, the numbers in the Id column (ignoring the part beyond the decimal point, if any) whose rows are not empty in the V column identify the AE test purposes that are covered by this test case.

6.7.2.2 Input specification

The postprocessor input specification is provided in electronic form only. See annex C.

6.7.2.3 Verdict criteria

The following general verdict criteria apply: gvc1, gvc4, and gvc5.

The verdict criteria derivable from the application elements with non-blank entries in the V column of the preprocessor input specification table apply.

The following specific verdict criteria apply: none apply.

6.8 4SMPL_instl_rqmts

The purpose of this test case is to create the Installation Requirements section of the type of Parts List called a Supplier Module Parts List. This Supplier Module Parts List has two kinds of Item_list instances, as identified by attribute type_of_component_list. The Installation Requirements section is identified by type_of_component_list = "module installation requirements". The second kind of Item_list instance is identified by type_of_component_list = "module components list".

NOTE See Figures E.31 through E.38 and E.7 for instance diagrams of the application elements.

6.8.1 Preprocessor

6.8.1.1 Test purposes covered

In the preprocessor input specification table of this test case, the numbers in the Id column (ignoring the part beyond the decimal point, if any), whose rows are not empty in the V column identify the AE test purposes that are covered by this test case.

The following general test purposes are covered: g1, g2, and g3.

The following other test purposes are covered: other1, other14, other21, other34, other42, other44, other45, and other48.

6.8.1.2 Input specification

Table 8 – Application elements for 4SMPL_instl_rqmts

Id	V	Application Elements	Value	Req
@12	*	Alternate_element_identification	#227, #254, #240, 'document'	M
@13	*	Alternate_element_identification.identifying_number	#254, '616MODPAM100#0000017B'	S
@18		Alternate_element_identification to Design_authority (design_activity)	@444.1	M
@20		Alternate_element_identification to Element_type (element_classifications)	@550.2	M
@25		Element_identification to Alternate_element_identification (alternate_identifications)	@5062	M
@84.1	*	Change_identification	#169, 'change identification'	M
@91.1		Change_identification.change_code	#169, 'revision with change'	M
@95.1	*	Change_identification.change_level	#155, 'change identification level', #160, ('1', 'change')	C1
@99		Change_identification.Revision_authorization_identifications	#167, '1234-1234'	S
@104.1	*	Change_identification.revision_level	#154, 'change identification level', #159, ('A', 'revision'), #164, #123, #151, 'change identification', #223, 'A'	C2
@119	*	Element_identification to Change_identification (change_status)	@508	M
@84.2	*	Change_identification	#168, 'change identification'	M
@91.2		Change_identification.change_code	#168, 'revision with change'	M
@93		Change_identification.change_description	#172, 'THIS IS THE MANUFACTURING CHANGE LEVEL DESCRIPTION FIELD'	M
@95.2	*	Change_identification.change_level	#157, 'change identification level', #162, ('1', 'change')	C1

Table 8 – Application elements for 4SMPL_instl_rqmts (continued)

Id	V	Application Elements	Value	Req
@104.2	*	Change_identification.revision_level	#156, 'change identification level', #161, ('A', 'revision'), #165, #126, #151, 'change identification', #222, 'A'	C2
@106		Change_identification to Status (action_status)	@1480	M
@108		Change_identification to Date (change_date)	@397	M
@111		Change_identification to Other_reference_document (revision_authorization_identifications)	@1119, #137, #127, #153, 'revision authorization identification', #130, #90, #213	M
@123		Item_identification to Change_identification (change)	@878	M
@84.9		Change_identification	#170, 'change identification'	M
@90		Change_identification.change_code	#170 'revision'	M
@104.9		Change_identification.revision_level	#158, 'change identification level', #163, ('B', 'revision'), #166, #128, #151, 'change identification', #221, 'B'	C3
@119		Element_identification to Change_identification (change_status)	@508.9	M
@134.1		Company	#185	M
@136		Company.address	#177, ('Headquarters', 'Drizzle', 'WA', '99999')	S
@137.1		Company.name	#185, 'The Errorspace Company'	S
@144		Design_authority to Company (design_activity_identification)	@445.1	M
@148		Release_authentication to Company (release_authority)	@1321	M
@134.2		Company	#186	M
@137.2		Company.name	#186, 'The Errorspace Company'	S
@144		Design_authority to Company (design_activity_identification)	@445.2	M

Table 8 – Application elements for 4SMPL_instl_rqmts (continued)

Id	V	Application Elements	Value	Req
@134.3		Company	#187	M
@137.3		Company.name	#187, 'The Errorspace Company'	S
@144		Design_authority to Company (design_activity_identification)	@445.3	M
@152.1		Company_code	#185	M
@153.1		Company_code.code	#178, '99999'	S
@155.1		Company_code.type_of_code	#180, ('alias id', 'CAGE')	M
@158		Design_authority to Company_code (design_activity_code)	@447.1	M
@152.2		Company_code	#186	M
@153.2		Company_code.code	#179, 'P3124'	S
@155.2		Company_code.type_of_code	#181, ('alias id', 'Work Group.Group Code')	C4
@158		Design_authority to Company_code (design_activity_code)	@447.2	M
@164		Configuration	#118	M
@171		Configuration to Product_configuration (end_item_system_designation)	@1205	M
@176		Configuration to Release_authentication (release_authorizations)	@1317, #117, #125, #152, 'release authentication'	M
@179		Configuration to Security_classification (security_identifications)	@1360	M
@181		Header_configuration_with_element_identification to Configuration (data_configuration)	@722	M
@397		Date	#148	M
@399		Date.day	#148, 2	S
@401		Date.month	#148, 12	S
@404		Date.year	#148, 2000	S
@406		Date to Time (specific_time)	@1640	M
@409		Change_identification to Date (change_date)	@108	M

Table 8 – Application elements for 4SMPL_instl_rqmts (continued)

Id	V	Application Elements	Value	Req
@423		Release_authentication to Date (release_date)	@1324	M
@444.1		Design_authority	#182, #1821	M
@4442		Design_authority.role	#184, 'id owner', #1841, 'creator'	M
@445.1		Design_authority to Company (design_activity_identification)	@134.1	M
@447.1		Design_authority to Company_code (design_activity_code)	@152.1	M
@450		Alternate_element_identification to Design_authority (design_activity)	@18	M
@454		Element_identification to Design_authority (design_activities)	@509.1	M
@456		Item_identification to Design_authority (design_activity)	@882.2	M
@444.2		Design_authority	#173	M
@4442		Design_authority.role	#176, 'id owner', #1761, 'creator'	M
@445.2		Design_authority to Company (design_activity_identification)	@134.2	M
@447.2		Design_authority to Company_code (design_activity_code)	@152.2	M
@449		Design_authority to Person (person_responsible)	@1172	M
@454		Element_identification to Design_authority (design_activities)	@509.2	M
@456		Item_identification to Design_authority (design_activity)	@882.1	M
@444.3		Design_authority	#183, #1831	M
@4442		Design_authority.role	#184, 'id owner', #1841, 'creator'	M
@445.3		Design_authority to Company (design_activity_identification)	@134.3	M
@455		Element_identification to Design_authority (design_activities)	@509.3 - @509.6, @509.9	M

Table 8 – Application elements for 4SMPL_instl_rqmts (continued)

Id	V	Application Elements	Value	Req
@457		Item_identification to Design_authority (design_activity)	@882.3 - @882.5	M
@503.1	*	Element_identification	#223, #253, #240, 'document'	M
@504.1	*	Element_identification.identifying_number	#253, '616SCPPAM100,616MODP AM100'	S
@506.1		Element_identification.title	#253, 'THIS IS THE TITLE FIELD FOR A MODULE'	S
@5062		Element_identification to Alternate_element_identification (alternate_identifications)	@12, #211, 'alternate element identification'	M
@508		Element_identification to Change_identification (change_status)	@84.1	M
@509.1		Element_identification to Design_authority (design_activities)	@444.1	M
@511.1		Element_identification to Element_type (element_classifications)	@550.1	M
@526		Header_configuration_with_element_identification to Element_identification (identification)	@723	M
@503.2	*	Element_identification	#213, #256, #240, 'document'	M
@504.2	*	Element_identification.identifying_number	#256, '23343'	S
@506.2		Element_identification.title	#256, 'Change Identifier.Change Number'	S
@509.2		Element_identification to Design_authority (design_activities)	@444.2	M
@512.2		Element_identification to Element_type (element_classifications)	@550.3, @550.4	M
@520		Reference_document to Element_identification (document_identification)	@1288	M
@503.3	*	Element_identification	#217, #262, #240, 'document'	M
@504.3	*	Element_identification.identifying_number	#262, '616PSTBAB200,1'	S
@509.3	*	Element_identification to Design_authority (design_activities)	@444.3	M

Table 8 – Application elements for 4SMPL_instl_rqmts (continued)

Id	V	Application Elements	Value	Req
@511.3	*	Element_identification to Element_type (element_classifications)	@550.5	M
@524	*	Item_list_drawing to Element_identification (drawing_number)	@928	M
@536	*	Notation to Element_identification (referenced_document_in_note)	@1045.2	M
@503.4	*	Element_identification	#218, #264, #240, 'document'	M
@504.4	*	Element_identification.identifying_number	#264, '616EGDBAB200'	S
@509.4	*	Element_identification to Design_authority (design_activities)	@444.3	M
@511.4	*	Element_identification to Element_type (element_classifications)	@550.6	M
@536		Notation to Element_identification (referenced_document_in_note)	@1045.11	M
@503.5	*	Element_identification	#219, #265, #240, 'document'	M
@504.5	*	Element_identification.identifying_number	#265, '616ARABAB200'	S
@509.5	*	Element_identification to Design_authority (design_activities)	@444.3	M
@511.5	*	Element_identification to Element_type (element_classifications)	@550.5	M
@536		Notation to Element_identification (referenced_document_in_note)	@1045.14	M
@503.6	*	Element_identification	#220, #266, #240, 'document'	M
@504.6	*	Element_identification.identifying_number	#266, 'EEF6160004'	S
@509.6	*	Element_identification to Design_authority (design_activities)	@444.3	M
@511.6	*	Element_identification to Element_type (element_classifications)	@550.7	M
@536		Notation to Element_identification (referenced_document_in_note)	@1045.18	M
@503.9	*	Element_identification	#221, #267, #240, 'document'	M
@504.9	*	Element_identification.identifying_number	#267, 'EDS-1057_SMPL'	S

Table 8 – Application elements for 4SMPL_instl_rqmts (continued)

Id	V	Application Elements	Value	Req
@508.9	*	Element_identification to Change_identification (change_status)	@84.9	M
@509.9	*	Element_identification to Design_authority (design_activities)	@444.3	M
@510	*	Element_identification to Element_type (element_classifications)	<not_present>	M
@536		Notation to Element_identification (referenced_document_in_note)	@1045.99	M
@550.1		Element_type	#242	M
@551.1		Element_type.element_code	#242, 'Supplier Module Parts List'	S
@553.1		Element_type.type_of_coding_scheme	#242, 'Distribution Product'	S
@558		Element_identification to Element_type (element_classifications)	@511.1	M
@550.2		Element_type	#243	M
@551.2		Element_type.element_code	#243, 'SMPL IDENTIFIER'	S
@556		Alternate_element_identification to Element_type (element_classifications)	@22	M
@550.3		Element_type	#246	M
@551.3		Element_type.element_code	#246, 'PRR'	S
@553.3		Element_type.type_of_coding_scheme	#246, 'Change Identifier.Change Type'	S
@558		Element_identification to Element_type (element_classifications)	@511.2	M
@550.4		Element_type	#247	M
@551.4		Element_type.element_code	#247, 'NA'	S
@553.4		Element_type.type_of_coding_scheme	#247, 'Change Identifier.Customer Variable'	S
@558		Element_identification to Element_type (element_classifications)	@511.2	M
@550.5		Element_type	#250	M

Table 8 – Application elements for 4SMPL_instl_rqmts (continued)

Id	V	Application Elements	Value	Req
@551.5		Element_type.element_code	#250, 'drawing'	S
@559		Element_identification to Element_type (element_classifications)	@511.3, @511.5	M
@550.6		Element_type	#251	M
@551.6		Element_type.element_code	#251, 'product data set'	S
@558		Element_identification to Element_type (element_classifications)	@511.4	M
@550.7		Element_type	#252	M
@551.7		Element_type.element_code	#252, 'function'	S
@558		Element_identification to Element_type (element_classifications)	@511.6	M
@688		Header	#118	M
@699		Header to Header_configuration_with_element_identification (header_configuration)	@721	M
@705		Parts_list_header to Header (common_header)	@1170	M
@721		Header_configuration_with_element_identification	#118	M
@722		Header_configuration_with_element_identification to Configuration (data_configuration)	@164	M
@723		Header_configuration_with_element_identification to Element_identification (identification)	@503.1	M
@726		Header to Header_configuration_with_element_identification (header_configuration)	@699	M
@837.1	*	Item	#189	M
@839		Item.item_contexts	#222, #255, #269, 'Production'	S
@850.1		Item to Item_identification (identification)	@869.1	M
@856		Item to Notation (notes)	@1032.1	M
@867		Tdp_element_and_item_association to Item (related_item)	@1598	M
@837.2	*	Item	#197	M

Table 8 – Application elements for 4SMPL_instl_rqmts (continued)

Id	V	Application Elements	Value	Req
@850.2	*	Item to Item_identification (identification)	@869.3	M
@862	*	Item_usage to Item (being_defined_for)	@956.1, @956.6	M
@837.3	*	Item	#1941	M
@850.3	*	Item to Item_identification (identification)	@869.3	M
@861	*	Item_usage to Item (being_defined_for)	@956.2	M
@837.4	*	Item	#194	M
@850.4	*	Item to Item_identification (identification)	@869.4	M
@862		Item_usage to Item (being_defined_for)	@956.3, @956.7	M
@837.5	*	Item	#191	M
@850.5	*	Item to Item_identification (identification)	@869.5	M
@861		Item_usage to Item (being_defined_for)	@956.4	M
@837.6	*	Item	#193	M
@850.6	*	Item to Item_identification (identification)	@869.5	M
@861		Item_usage to Item (being_defined_for)	@956.5	M
@869.1	*	Item_identification	#222	M
@870.1	*	Item_identification.identifying_number	#255, '616MODPAM100'	S
@878		Item_identification to Change_identification (change)	@84.2	M
@881		Item_identification to Item_type (classifications)	@945.1, @945.2	M
@882.1		Item_identification to Design_authority (design_activity)	@444.2	M
@896		Item to Item_identification (identification)	@850.1	M
@899		Item_list to Item_identification (list_for)	@921.1 - @921.4	M
@869.2	*	Item_identification	#2221	M
@870.2	*	Item_identification.identifying_number	#257, '616SCPPAM100'	S
@880.2	*	Item_identification to Item_type (classifications)	@945.3	M
@882.2	*	Item_identification to Design_authority (design_activity)	@444.1	M

Table 8 – Application elements for 4SMPL_instl_rqmts (continued)

Id	V	Application Elements	Value	Req
@8921	*	Product_configuration to Item_identification (design_item)	@12092	M
@869.3	*	Item_identification	#226	M
@870.3	*	Item_identification.identifying_number	#263, '616PSCCPAE900'	S
@873.3	*	Item_identification.nomenclature_or_name	#263, 'DESCRIPTION FIELD FOR PICTURE SHEET CONTROLLED COMPONENT PART'	S
@880.3	*	Item_identification to Item_type (classifications)	@945.4	M
@882.3	*	Item_identification to Design_authority (design_activity)	@444.3	M
@897	*	Item to Item_identification (identification)	@850.2, @850.3	M
@869.4	*	Item_identification	#225	M
@870.4	*	Item_identification.identifying_number	#261, '616INFPAM900'	S
@873.4	*	Item_identification.nomenclature_or_name	#261, 'THIS IS THE DESCRIPTION FIELD FOR INSTALLATION FEATURE PART'	S
@880.4	*	Item_identification to Item_type (classifications)	@945.4	M
@882.4	*	Item_identification to Design_authority (design_activity)	@444.3	M
@896	*	Item to Item_identification (identification)	@850.4	M
@869.5	*	Item_identification	#224	M
@870.5	*	Item_identification.identifying_number	#260, '616STPPAE100'	S
@873.5	*	Item_identification.nomenclature_or_name	#260, 'DESCRIPTION FIELD FOR STANDARD PART'	S
@880.5	*	Item_identification to Item_type (classifications)	@945.4	M
@882.5	*	Item_identification to Design_authority (design_activity)	@444.3	M
@897	*	Item to Item_identification (identification)	@850.5, @850.6	M
@910.1	*	Item_list	#198, #37, #203, 'Item list'	M

Table 8 – Application elements for 4SMPL_instl_rqmts (continued)

Id	V	Application Elements	Value	Req
@911.1	*	Item_list.type_of_component_list	#38, #208, 'module installation requirements'	S
@919.1	*	Item_list to Item_usage (component_of)	@953.1, @953.2	M
@921	*	Item_list to Item_identification (list_for)	@869.1	M
@923	*	Parts_list_body to Item_list (parts_tabulations)	@1160	M
@910.2	*	Item_list	#195, #32, #203, 'item list'	M
@911.2	*	Item_list.type_of_component_list	#33, #208, 'module installation requirements'	S
@918.2	*	Item_list to Item_usage (component_of)	@953.3	M
@921.2	*	Item_list to Item_identification (list_for)	@869.1	M
@923	*	Parts_list_body to Item_list (parts_tabulations)	@1160	M
@910.3	*	Item_list	#190, #25, #203, 'item list'	M
@911.3	*	Item_list.type_of_component_list	#26, #204, 'module components list'	M
@918.3	*	Item_list to Item_usage (component_of)	@953.4	M
@921.3	*	Item_list to Item_identification (list_for)	@869.1	M
@923	*	Parts_list_body to Item_list (parts_tabulations)	@1160	M
@910.4	*	Item_list	#192, #29, #203, 'item list'	M
@911.4	*	Item_list.type_of_component_list	#30, #204, 'module components list'	M
@918.4	*	Item_list to Item_usage (component_of)	@953.5	M
@921.4	*	Item_list to Item_identification (list_for)	@869.1	M
@923	*	Parts_list_body to Item_list (parts_tabulations)	@1160	M
@910.5	*	Item_list	#199, #39, #203, 'item list'	M
@913.5	*	Item_list.type_of_component_list	#40, #209, 'installation drawing component list'	M
@918.5	*	Item_list to Item_usage (component_of)	@953.6	M
@922.5	*	Item_list to Item_list_drawing (list_for)	@925	M
@923	*	Parts_list_body to Item_list (parts_tabulations)	@1160	M

Table 8 – Application elements for 4SMPL_instl_rqmts (continued)

Id	V	Application Elements	Value	Req
@910.6	*	Item_list	#196, #34, #203, 'item list'	M
@913.6	*	Item_list.type_of_component_list	#35, #209, 'installation drawing component list'	M
@918.6	*	Item_list to Item_usage (component_of)	@953.7	M
@922.6	*	Item_list to Item_list_drawing (list_for)	@925	M
@923		Parts_list_body to Item_list (parts_tabulations)	@1160	M
@925	*	Item_list_drawing	#217, #262, #240, 'document'	M
@928	*	Item_list_drawing to Element_identification (drawing_number)	@503.3	M
@930	*	Item_list to Item_list_drawing (list_for)	@922.3, @922.4	M
@945.1		Item_type	#244	M
@946.1		Item_type.item_code	#244, 'module'	S
@951.1		Item_identification to Item_type (classifications)	@881	M
@945.2	*	Item_type	#248	M
@946.2	*	Item_type.item_code	#248, '2A'	S
@948	*	Item_type.type_of_coding_scheme	#248, 'TAILORED BUSINESS STREAM'	S
@951.2	*	Item_identification to Item_type (classifications)	@881	M
@945.3		Item_type	#2441	M
@946.3		Item_type.item_code	#2441, 'supplier custom part'	S
@951		Item_identification to Item_type (classifications)	@880.2	M
@945.4		Item_type	#249	M
@946.4		Item_type.item_code	#249, 'part'	S
@952		Item_identification to Item_type (classifications)	@880.3 - @880.5	M
@953.1	*	Item_usage	#109, 'item usage'	M
@956.1	*	Item_usage to Item (being_defined_for)	@837.2, #197, #36, #202, 'item in list'	M
@958.1	*	Item_usage to Effectivity (effective_on)	@492.1	M

Table 8 – Application elements for 4SMPL_instl_rqmts (continued)

Id	V	Application Elements	Value	Req
@960.1	*	Item_usage to List_item_usage (list_item)	@971.1	M
@968	*	Item_list to Item_usage (component_of)	@919.1	M
@953.2	*	Item_usage	#110, 'item usage'	M
@956.2	*	Item_usage to Item (being_defined_for)	@837.3, #1941, #311, #202, 'item in list'	M
@958.2	*	Item_usage to Effectivity (effective_on)	@492.2	M
@968		Item_list to Item_usage (component_of)	@919.1	M
@953.3	*	Item_usage	#108, 'item usage'	M
@956.3	*	Item_usage to Item (being_defined_for)	@837.4, #194, #31, #202, 'item in list'	M
@958.3	*	Item_usage to Effectivity (effective_on)	@492.3	M
@960.3	*	Item_usage to List_item_usage (list_item)	@971.2	M
@968		Item_list to Item_usage (component_of)	@919.2	M
@953.4	*	Item_usage	#111, 'item usage'	M
@956.4	*	Item_usage to Item (being_defined_for)	@837.5, #191, #27, #202, 'item in list'	M
@958.4	*	Item_usage to Effectivity (effective_on)	@492.4	M
@968		Item_list to Item_usage (component_of)	@919.3	M
@953.5	*	Item_usage	#112, 'item usage'	M
@956.5	*	Item_usage to Item (being_defined_for)	@837.6, #193, #30, #202, 'item in list'	M
@958.5	*	Item_usage to Effectivity (effective_on)	@492.5	M
@968		Item_list to Item_usage (component_of)	@919.4	M
@953.6	*	Item_usage	#14, 'item usage'	M
@956.4	*	Item_usage to Item (being_defined_for)	@837.2, #197, #36, #202, 'item in list'	M
@960.4	*	Item_usage to List_item_usage (list_item)	@971.3	M
@968		Item_list to Item_usage (component_of)	@919.5	M
@953.7	*	Item_usage	#13, 'item usage'	M

Table 8 – Application elements for 4SMPL_instl_rqmts (continued)

Id	V	Application Elements	Value	Req
@956.5	*	Item_usage to Item (being_defined_for)	@837.3, #194, #31, #202, 'item in list'	M
@960.5	*	Item_usage to List_item_usage (list_item)	@971.6	M
@968		Item_list to Item_usage (component_of)	@919.3	M
@971.1	*	List_item_usage	#109	M
@986.1	*	List_item_usage to Notation (entry_notes)	@1032.2 - @1032.18	M
@987	*	Item_usage to List_item_usage (list_item)	@960.1	M
@971.2	*	List_item_usage	#108	M
@986.2	*	List_item_usage to Notation (entry_notes)	@1032.2 - @1032.5, @1032.8 - @1032.10, @1032.19 - @1032.22	M
@987		Item_usage to List_item_usage (list_item)	@960.2	M
@971.3	*	List_item_usage	#14	M
@982.3	*	List_item_usage.reference_designators	#14, '4133'	S
@987		Item_usage to List_item_usage (list_item)	@960.4	M
@971.4	*	List_item_usage	#13	M
@982.4	*	List_item_usage.reference_designators	#13, '4133'	S
@987		Item_usage to List_item_usage (list_item)	@960.5	M
@1032.1	*	Notation	#70, #53, 'notation'	M
@1033.1	*	Notation.note	#70, '2A'	S
@1038.1	*	Notation.note_title	#70, 'TAILORED BUSINESS STREAM'	S
@1065	*	Item to Notation (notes)	@856	M
@1032.2	1 2	Notation	#65, #60, 'notation', #56, 'notation'	M
@1033.2	*	Notation.note	#65, '616PSTBAB200 SHEET 1'	S
@1038.2	*	Notation.note_title	#65, 'DRAWING'	S
@1045.2	*	Notation to Element_identification (referenced document in note)	@503.3	M

Table 8 – Application elements for 4SMPL_instl_rqmts (continued)

Id	V	Application Elements	Value	Req
@1060	*	(referenced_document_in_note) List_item_usage to Notation (entry_notes)	@986.1, @986.2	M
@1032.3	1 2	Notation	#74, #60, 'notation', #56, 'notation'	M
@1033.3	*	Notation.note	#74, 'TWILIGHT ZONE'	S
@1038.3	*	Notation.note_title	#74, 'AIRPLANE MAINTENANCE ZONE'	S
@1060		List_item_usage to Notation (entry_notes)	@986.1, @986.2	M
@1032.4	1 2	Notation	#75, #60, 'notation', #56, 'notation'	M
@1033.4	*	Notation.note	#75, 'Left Body' X = 150A+12.25 Y = -58.133 Z = 116.55'	S
@1038.4	*	Notation.note_title	#75, 'COORDINATE SYSTEM LOCATION'	S
@1060		List_item_usage to Notation (entry_notes)	@986.1, @986.2	M
@1032.5	1 2	Notation	#76, #60, 'notation', #56, 'notation'	M
@1033.5	*	Notation.note	#76, 'FIND NUMBER 15'	S
@1038.5	*	Notation.note_title	#76, 'FIND NUMBER'	S
@1060		List_item_usage to Notation (entry_notes)	@986.1, @986.2	M
@1032.6	1	Notation	#86, #60, 'notation'	M
@1033.6	*	Notation.note	#86, '989'	S
@1038.6	*	Notation.note_title	#86, 'FLAG MARKER'	S
@1059	*	List_item_usage to Notation (entry_notes)	@986.1	M
@1032.7	1	Notation	#87, #60, 'notation'	M
@1033.7	*	Notation.note	#87, '500'	S
@1038.7	*	Notation.note_title	#87, 'INSTALLATION NUMBER'	S

Table 8 – Application elements for 4SMPL_instl_rqmts (continued)

Id	V	Application Elements	Value	Req
@1059		List_item_usage to Notation (entry_notes)	NUMBER' @986.1	M
@1032.8	1 2	Notation	#79, #60, 'notation', #56, 'notation'	M
@1033.8	*	Notation.note	#79, '4133'	S
@1038.8	*	Notation.note_title	#79, 'LOCATOR NUMBER'	S
@1060		List_item_usage to Notation (entry_notes)	@986.1, @986.2	M
@1032.9	1 2	Notation	#80, #60, 'notation', #56, 'notation'	M
@1033.9	*	Notation.note	#80, 'ABC'	S
@1038.9	*	Notation.note_title	#80, 'MISCELLANEOUS LOCATION'	S
@1060		List_item_usage to Notation (entry_notes)	@986.1, @986.2	M
@1032.1 0	1 2	Notation	#81, #60, 'notation', #56, 'notation'	M
@1033.1 0	*	Notation.note	#81, '99D20'	S
@1038.1 0	*	Notation.note_title	#81, 'ZONE'	S
@1060		List_item_usage to Notation (entry_notes)	@986.1, @986.2	M
@1032.1 1	3	Notation	#66, #59, 'notation'	M
@1033.1 1	*	Notation.note	#66, '616EGDBAB200'	S
@1038.1 1	*	Notation.note_title	#66, 'DATASET FILE NAME'	S
@1045.1 1	*	Notation to Element_identification (referenced_document_in_note)	@503.4	M
@1059		List_item_usage to Notation (entry_notes)	@986.1	M
@1032.1 2	3	Notation	#84, #59, 'notation'	M
@1033.1 2	*	Notation.note	#84, 'Left Body'	S

Table 8 – Application elements for 4SMPL_instl_rqmts (continued)

Id	V	Application Elements	Value	Req
2			X = 140A+11.25 Y = -68.133 Z = 138.55'	
@1038.1 2	*	Notation.note_title	#84, 'COORDINATE SYSTEM LOCATION'	S
@1059		List_item_usage to Notation (entry_notes)	@986.1	M
@1032.1 3	3	Notation	#85, #59, 'notation'	M
@1033.1 3	*	Notation.note	#85, '4130'	S
@1038.1 3	*	Notation.note_title	#85, 'LOCATOR NUMBER'	S
@1059		List_item_usage to Notation (entry_notes)	@986.1	M
@1032.1 4	4	Notation	#67, #61, 'notation'	M
@1033.1 4	*	Notation.note	#67, '616ARABAB200'	S
@1038.1 4	*	Notation.note_title	#67, 'DRAWING'	S
@1045.1 4	*	Notation to Element_identification (referenced_document_in_note)	@503.5	M
@1059		List_item_usage to Notation (entry_notes)	@986.1	M
@1032.1 5	4	Notation	#89, #61, 'notation'	M
@1033.1 5	*	Notation.note	#89, '222'	S
@1038.1 5	*	Notation.note_title	#89, 'ROUTING AREA CODE'	S
@1059		List_item_usage to Notation (entry_notes)	@986.1	M
@1032.1 6	5	Notation	#83, #58, 'notation'	M
@1033.1 6	*	Notation.note	#83, 'ABC per 616DOC0002 XYZ'	S

Table 8 – Application elements for 4SMPL_instl_rqmts (continued)

Id	V	Application Elements	Value	Req
6			XYZ'	
@1038.1 6	*	Notation.note_title	#83, 'DOCUMENT'	S
@1059		List_item_usage to Notation (entry_notes)	@986.1	M
@1032.1 7	5	Notation	#82, #57, 'notation'	M
@1033.1 7	*	Notation.note	#82, 'TEXT FIELD FOR FREE FORM NOTE 3'	S
@1038.1 7	*	Notation.note_title	#82, 'TITLE FIELD FOR FREE FORM NOTE 3'	S
@1059		List_item_usage to Notation (entry_notes)	@986.1	M
@1032.1 8	5	Notation	#68, #62, 'notation'	M
@1033.1 8	*	Notation.note	#68, 'TYPE – Fulfills Function, EQUIPMENT NUMBER EEF6160004, WIRS MODEL NUMBER 737, DESCRIPTION FIELD FOR ELECTRICAL EQUIPMENT FUNCTION.'	S
@1038.1 8	*	Notation.note_title	#68, 'FUNCTIONAL LINK'	S
@1045.1 8	*	Notation to Element_identification (referenced_document_in_note)	@503.6	M
@1059		List_item_usage to Notation (entry_notes)	@986.1	M
@1032.1 9	2	Notation	#77, #56, 'notation'	M
@1033.1 9	*	Notation.note	#77, '789'	S
@1038.1 9	*	Notation.note_title	#77, 'FLAG MARKER'	S
@1059		List_item_usage to Notation (entry_notes)	@986.2	M
@1032.2 0	2	Notation	#78, #56, 'notation'	M

Table 8 – Application elements for 4SMPL_instl_rqmts (continued)

Id	V	Application Elements	Value	Req
@1033.2 0	*	Notation.note	#78, '505'	S
@1038.2 0	*	Notation.note_title	#78, 'INSTALLATION NUMBER'	S
@1059		List_item_usage to Notation (entry_notes)	@986.2	M
@1032.2 1	5	Notation	#72, #54, 'notation'	M
@1033.2 1	*	Notation.note	#72, 'TEXT FIELD FOR FREE FORM NOTE 4'	S
@1038.2 1	*	Notation.note_title	#72, 'TITLE FIELD FOR FREE FORM NOTE 4'	S
@1059		List_item_usage to Notation (entry_notes)	@986.2	M
@1032.2 2	5	Notation	#73, #55, 'notation'	M
@1033.2 2	*	Notation.note	#73, 'TEXT FIELD FOR STRUCTURED NOTE 4 VALUE SN1 VALUE SN2'	S
@1038.2 2	*	Notation.note_title	#73, 'TITLE FIELD FOR STRUCTURED NOTE 4'	S
@1059		List_item_usage to Notation (entry_notes)	@986.2	M
@1032.9 9		Notation	#69, #63, 'notation'	M
@1033.9 9		Notation.note	#69, 'NOTICE – THE INFORMATION CONTAINED HEREIN IS PROPRIETARY.'	S
@1042		Notation.type_of_notation	#10, #11, 'type of notation', #12, 'STANDARD NOTES'	C5
@1045.9 9		Notation to Element_identification (referenced_document_in_note)	@503.9	M
@1063		Parts_list_body to Notation (notes_list)	@1158	M
@1285		Reference_document (as Other_reference_document)	#213, #256, #240, 'document', #231, #245, 'reference document'	M

Table 8 – Application elements for 4SMPL_instl_rqmts (continued)

Id	V	Application Elements	Value	Req
@1288		Reference_document to Element_identification (document_identification)	@503.2	M
@1119		Other_reference_document	#213, #256, #240, 'document', #1991, #1992, #271, 'reference document'	M
@1128		Change_identification to Other_reference_document (revision_authorization_identifications)	@111	M
@1591		Tdp_element (as Associated_list)	#223, #253, #240, 'document', #228, #241, 'parts list'	M
@1595		Tdp_element_and_item_association to Tdp_element (related_tdp_element)	@1597	M
@71		Associated_list (as Parts_list)	#223, #253, #241 'parts list'	M
@1153	*	Parts_list	#223, #253, #240, 'document', #228, #241, 'parts list'	M
@1154		Parts_list to Parts_list_body (list_body)	@1156	M
@1155		Parts_list to Parts_list_header (list_header)	@1169	M
@1156	*	Parts_list_body	#188, 'parts list body'	M
@1158		Parts_list_body to Notation (list_notes)	@1032.99	M
@1161		Parts_list_body to Item_list (parts_tabulations)	@910.1, #23, 'parts tabulation', @910.2, #21, 'parts tabulation', @910.5, #19, 'parts tabulation', @910.6, #20, 'parts tabulation'	M
@1168		Parts_list to Parts_list_body (list_body)	@1154	M
@1169	*	Parts_list_header	#118, 'parts list header'	M
@1170		Parts_list_header to Header (common_header)	@688	M
@1171		Parts_list to Parts_list_header (list_header)	@1155	M
@1172		Person	#175	M
@1176		Person.last_name	#175, 'NULL'	S
@1181	*	Person.unique_identifier	#175, 'Sandi Beach'	S
@1184		Design_authority to Person (person_responsible)	@449	M

Table 8 – Application elements for 4SMPL_instl_rqmts (continued)

Id	V	Application Elements	Value	Req
@1205	*	Product_configuration	#104	M
@1206	*	Product_configuration.configuration_id	#104, '616SCPPAM100'	S
@12092		Product_configuration to Item_identification (design_item)	@869.2	M
@1210		Product_configuration to Product_model (product_name)	@1238	M
@1211		Configuration to Product_configuration (end_item_system_designation)	@171	M
@1214		Effectivity to Product_configuration (product)	@498.1 - @498.5	M
@1238	*	Product_model	#105	M
@1239	*	Product_model.model_name	#105, '737'	S
@1240		Product_configuration to Product_model (product_name)	@1210	M
@1317		Release_authentication	#145	M
@1318		Release_authentication.authentication	#144, 'PDM'	S
@1321		Release_authentication to Company (release_authority)	@134.1, #115, #116, 'release authentication'	M
@1324		Release_authentication to Date (release_date)	@397, #150, #124, #152, 'release authentication'	M
@1325		Configuration to Release_authentication (release_authorizations)	@176	M
@1360		Security_classification	#113	M
@1361		Security_classification.item_classification	#113, 'item security classification', #114, 'PROPRIETARY'	C6
@1368		Configuration to Security_classification (security_identifications)	@179	M
@492.1	*	Effectivity (as Sequence_effectivity)	#4	M
@494.1	*	Effectivity.description	#1, 'availability'	S
@498.1	*	Effectivity to Product_configuration (product)	@1205	M
@501	*	Item_usage to Effectivity (effective_on)	@958.1	M

Table 8 – Application elements for 4SMPL_instl_rqmts (continued)

Id	V	Application Elements	Value	Req
@1372.1	*	Sequence_effectivity	#4	M
@1373.1	*	Sequence_effectivity.from_effectivity_id	#4, '200'	S
@1377.1	*	Sequence_effectivity.thru_effectivity_id	#4, '99999'	S
@1378	*	Sequence_effectivity to Quantity (total_component_quantity_in_product_configuration)	<not_present>	M
@492.2		Effectivity (as Sequence_effectivity)	#5	M
@494.2		Effectivity.description	#2, 'availability'	S
@498.2		Effectivity to Product_configuration (product)	@1205	M
@501		Item_usage to Effectivity (effective_on)	@958.2	M
@1372.2		Sequence_effectivity	#5	M
@1373.2		Sequence_effectivity.from_effectivity_id	#5, '200'	S
@1377.2		Sequence_effectivity.thru_effectivity_id	#5, '99999'	S
@492.3		Effectivity (as Sequence_effectivity)	#6	M
@494.3		Effectivity.description	#3, 'availability'	S
@498.3		Effectivity to Product_configuration (product)	@1205	M
@501		Item_usage to Effectivity (effective_on)	@958.3	M
@1372.3		Sequence_effectivity	#6	M
@1373.3		Sequence_effectivity.from_effectivity_id	#6, '200'	S
@1377.3		Sequence_effectivity.thru_effectivity_id	#6, '99999'	S
@492.4		Effectivity (as Sequence_effectivity)	#17	M
@494.4		Effectivity.description	#15, 'availability'	S
@498.4		Effectivity to Product_configuration (product)	@1205	M
@501		Item_usage to Effectivity (effective_on)	@958.4	M
@1372.4		Sequence_effectivity	#17	M
@1373.4		Sequence_effectivity.from_effectivity_id	#17, '200'	S
@1377.4		Sequence_effectivity.thru_effectivity_id	#17, '99999'	S

Table 8 – Application elements for 4SMPL_instl_rqmts (concluded)

Id	V	Application Elements	Value	Req
@492.5		Effectivity (as Sequence_effectivity)	#18	M
@494.5		Effectivity.description	#16, 'availability'	S
@498.5		Effectivity to Product_configuration (product)	@1205	M
@501		Item_usage to Effectivity (effective_on)	@958.5	M
@1372.5		Sequence_effectivity	#18	M
@1373.5		Sequence_effectivity.from_effectivity_id	#18, '200'	S
@1377.5		Sequence_effectivity.thru_effectivity_id	#18, '99999'	S
@1480	*	Status	#101	M
@1481	*	Status.status_code	#101, 'Approved'	S
@1484		Change_identification to Status (action_status)	@106	M
@1597		Tdp_element_and_item_association	#102	M
@1598		Tdp_element_and_item_association to Item (related_item)	@837.1	M
@1599		Tdp_element_and_item_association to Tdp_element (related_tdp_element)	@1595	M
@1640		Time	#147	M
@1641		Time.hour	#147, 1	S
@1643		Time.minute	#147, 16	S
@1645		Time.second	#147, 42.	S
@1646		Time.zone	#148, -8	S
@1647		Date to Time (specific_time)	@406	M

6.8.1.3 Verdict criteria

The following general verdict criteria apply: gvc1, gvc2, and gvc3.

The verdict criteria derivable from the application elements with non-blank entries in the V column of the preprocessor input specification table apply.

The following preprocessor-specific verdict criteria apply:

vc1: The instances of `descriptive_representation_item` that correspond to @1032.2 through @1032.10 are all referenced by the `items` attribute of the same instance of representation, identified as instance #41 in the exchange structure.

vc2: The instances of `descriptive_representation_item` that correspond to @1032.2 through @1032.5, @1032.8 through @1032.10, and @1032.19 through @1032.20 are all referenced by the `items` attribute of the same instance of representation, identified as instance #46 in the exchange structure.

vc3: The instances of `descriptive_representation_item` that correspond to @1032.11 through @1032.13 are all referenced by the `items` attribute of the same instance of representation.

vc4: The instances of `descriptive_representation_item` that correspond to @1032.14 and @1032.15 are all referenced by the `items` attribute of the same instance of representation.

vc5: The instance of `descriptive_representation_item` that corresponds to @1032.<n> is referenced by the `items` attribute of a unique instance of representation.

6.8.1.4 Constraints on values

The following constraints apply as referenced in the input specification table:

c1: The value '1' is suggested; all other attribute values are mandatory.

c2: The value 'A' is suggested; all other attribute values are mandatory.

c3: The value 'B' is suggested; all other attribute values are mandatory.

c4: The value 'Work Group.Group Code' is suggested; all other attribute values are mandatory.

c5: The value 'STANDARD NOTES' is suggested; all other attribute values are mandatory.

c6: The value 'PROPRIETARY' is suggested; all other attribute values are mandatory.

6.8.2 Postprocessor

6.8.2.1 Test purpose coverage

The following general test purposes are covered: g1, g4, and g5.

The following other test purposes are covered: other2, other5, and other6.

In the preprocessor input specification table of this test case, the numbers in the Id column (ignoring the part beyond the decimal point, if any) whose rows are not empty in the V column identify the AE test purposes that are covered by this test case.

6.8.2.2 Input specification

The postprocessor input specification is provided in electronic form only. See annex C.

6.8.2.3 Verdict criteria

The following general verdict criteria apply: gvc1, gvc4, and gvc5.

The verdict criteria derivable from the application elements with non-blank entries in the V column of the preprocessor input specification table apply.

The following specific verdict criteria apply: none apply.

6.9 4SMPL_developmental

The purpose of this test case is to create the type of Parts List called a Supplier Module Parts List (SMPL) with the Module at Developmental Phase, which means that the second instance of the Change_identification object makes use of optional attribute issue_level.

NOTE See Figures E.39 through E.43 and E.7 for instance diagrams of the application elements.

6.9.1 Preprocessor

6.9.1.1 Test purposes covered

In the preprocessor input specification table of this test case, the numbers in the Id column (ignoring the part beyond the decimal point, if any), whose rows are not empty in the V column identify the AE test purposes that are covered by this test case.

The following general test purposes are covered: g1, g2, and g3.

The following other test purposes are covered: other1, other8, other12, other21, other34, other43, other47, and other48.

6.9.1.2 Input specification

Table 9 – Application elements for 4SMPL_developmental

Id	V	Application Elements	Value	Req
@12	*	Alternate_element_identification	#171, #191, #179, 'document'	M
@13	*	Alternate_element_identification.identifying_number	#191, '616MODPAM200#0000010A'	S
@218		Alternate_element_identification to Design_authority (design_activity)	@444.1	M
@20		Alternate_element_identification to Element_type (element_classifications)	@550.2	M

Table 9 – Application elements for 4SMPL_developmental (continued)

Id	V	Application Elements	Value	Req
@25		Element_identification to Alternate_element_identification (alternate_identifications)	@5062	M
@42	*	Alternate_item	#195	M
@44	*	Alternate_item.type_of_alternate	#14, 'SUBSTITUTION', #15, 'SUBSTITUTION'	S
@51	*	Alternate_item to Item_usage (interchange_item)	@953.3	M
@52	*	Item to Alternate_item (alternates)	@843.2	M
@84.1	*	Change_identification	#125, 'change identification'	M
@91.1		Change_identification.change_code	#125, 'revision with change'	M
@95.1	*	Change_identification.change_level	#109, 'change identification level', #115, ('1', 'change')	C1
@99	*	Change_identification.revision_authorization_identifications	#123, '1234-1234'	S
@104.1	*	Change_identification.revision_level	#108, 'change identification level', #114, ('A', 'revision'), #120, #83, #105, 'change identification', #168, 'A'	C2
@119		Element_identification to Change_identification (change_status)	@508	M
@84.2	*	Change_identification	#124, 'change identification'	M
@91.2		Change_identification.change_code	#124, 'revision with change'	M
@95.2	*	Change_identification.change_level	#111, 'change identification level', #117, ('1', 'change')	C1
@97	*	Change_identification.issue_level	#112, 'change identification level', #118, ('1', 'sequence')	C1
@103.2	*	Change_identification.revision_level	#110, 'change identification level', #116, ('A', 'revision'), #121, #85, #105, 'change identification', #167, 'A'	C2
@106		Change_identification to Status (action_status)	@1480	M
@108		Change_identification to Date (change_date)	@397	M

Table 9 – Application elements for 4SMPL_developmental (continued)

Id	V	Application Elements	Value	Req
@111		Change_identification to Other_reference_document (revision_authorization_identifications)	@1119, #94, #86, #107, 'revision authorization identification', #90, #60, #163	M
@123		Item_identification to Change_identification (change)	@878	M
@84.9		Change_identification	#126, 'change identification'	M
@90.9		Change_identification.change_code	#126, 'revision'	M
@104.9		Change_identification.revision_level	#113, 'change identification level', #119, ('B', 'revision'), #122, #88, #105, 'change identification', #166, 'B'	C3
@119		Element_identification to Change_identification (change_status)	@508.99	M
@134.1		Company	#140	M
@136		Company.address	#132, ('Headquarters', 'Drizzle', 'WA', '99999')	S
@137.1		Company.name	#140, 'The Errorspace Company'	S
@144.1		Design_authority to Company (design_activity_identification)	@445.1	M
@148		Release_authentication to Company (release_authority)	@1321	M
@134.2		Company	#141	M
@137.2		Company.name	#141, 'The Errorspace Company'	S
@144.2		Design_authority to Company (design_activity_identification)	@445.2	M
@134.3		Company	#142	M
@137.3		Company.name	#142, 'The Errorspace Company'	S
@144.3		Design_authority to Company (design_activity_identification)	@445.3	M
@152.1		Company_code	#140	M

Table 9 – Application elements for 4SMPL_developmental (continued)

Id	V	Application Elements	Value	Req
@153.1		Company_code.code	#133, '99999'	S
@155.1		Company_code.type_of_code	#135, ('alias id', 'CAGE')	M
@158.1		Design_authority to Company_code (design_activity_code)	@447.1	M
@152.2		Company_code	#141	M
@153.2		Company_code.code	#134, 'P3124'	S
@155.2		Company_code.type_of_code	#136, ('alias id', 'Work Group.Group Code')	C4
@158.2		Design_authority to Company_code (design_activity_code)	@447.2	M
@164		Configuration	#79	M
@171		Configuration to Product_configuration (end_item_system_designation)	@1205	M
@176		Configuration to Release_authentication (release_authorizations)	@1317, #78, #87, #106, 'release authentication'	M
@179		Configuration to Security_classification (security_identifications)	@1360	M
@181		Header_configuration_with_element_identification to Configuration (data_configuration)	@722	M
@397		Date	#102	M
@399		Date.day	#102, 10	S
@401		Date.month	#102, 9	S
@404		Date.year	#102, 2000	S
@406		Date to Time (specific_time)	@1640	M
@409		Change_identification to Date (change_date)	@108	M
@423		Release_authentication to Date (release_date)	@1324	M
@444.1		Design_authority	#137, #1371	M
@444.2		Design_authority.role	#139, 'id owner', #1391, 'creator'	M
@445.1		Design_authority to Company (design_activity_identification)	@134.1	M

Table 9 – Application elements for 4SMPL_developmental (continued)

Id	V	Application Elements	Value	Req
@447.1		Design_authority to Company_code (design_activity_code)	@152.1	M
@450		Alternate_element_identification to Design_authority (design_activity)	@18	M
@454		Element_identification to Design_authority (design_activities)	@509.1	M
@456		Item_identification to Design_authority (design_activity)	@882.2	M
@444.2		Design_authority	#128, #1281	M
@4442		Design_authority.role	#131, 'id owner', #1311, 'creator'	M
@445.2		Design_authority to Company (design_activity_identification)	@134.2	M
@447.2		Design_authority to Company_code (design_activity_code)	@152.2	M
@449		Design_authority to Person (person_responsible)	@1172	M
@454		Element_identification to Design_authority (design_activities)	@509.2	M
@456		Item_identification to Design_authority (design_activity)	@882.1	M
@444.3		Design_authority	#138, #1381	M
@4442		Design_authority.role	#139, 'id owner', #1391, 'creator'	M
@445.3		Design_authority to Company (design_activity_identification)	@134.3	M
@454		Element_identification to Design_authority (design_activities)	@509.3	M
@457		Item_identification to Design_authority (design_activity)	@882.3 - @882.4	M
@503.1	*	Element_identification	#168, #190, #179, 'document'	M
@504.1	*	Element_identification.identifying_number	#190, '616SCPPAM100,616MODP AM200'	S

Table 9 – Application elements for 4SMPL_developmental (continued)

Id	V	Application Elements	Value	Req
@506		Element_identification.title	#190, 'THIS IS THE TITLE FIELD FOR A MODULE'	S
@5062		Element_identification to Alternate_element_identification (alternate_identifications)	@12, #162, 'alternate element identification'	M
@508.1		Element_identification to Change_identification (change_status)	@84.1	M
@509.1		Element_identification to Design_authority (design_activities)	@444.1	M
@511.1		Element_identification to Element_type (element_classifications)	@550.1	M
@526		Header_configuration_with_element_identification to Element_identification (identification)	@723	M
@503.2	*	Element_identification	#163, #193, #179, 'document'	M
@504.2	*	Element_identification.identifying_number	#193, '23343'	S
@506.2		Element_identification.title	#193, 'Change Identifier.Change Number'	M
@509.2		Element_identification to Design_authority (design_activities)	@444.2	M
@512.2		Element_identification to Element_type (element_classifications)	@550.3, @550.4	M
@520		Reference_document to Element_identification (document_identification)	@1288	M
@503.3	*	Element_identification	#165, #197, #179, 'document'	M
@504.3	*	Element_identification.identifying_number	#197, '616PSTBAB200,1'	S
@509.3	*	Element_identification to Design_authority (design_activities)	@444.3	M
@511.3	*	Element_identification to Element_type (element_classifications)	@550.5	M
@536	*	Notation to Element_identification (referenced_document_in_note)	@1045.2	M
@503.9	*	Element_identification	#166, #198, #179, 'document'	M
@504.9	*	Element_identification.identifying_number	#198, 'EDS-1057_SMPL'	S

Table 9 – Application elements for 4SMPL_developmental (continued)

Id	V	Application Elements	Value	Req
@508.9	*	Element_identification to Change_identification (change_status)	@84.9	M
@509.9	*	Element_identification to Design_authority (design_activities)	@444.3	M
@536		Notation to Element_identification (referenced_document_in_note)	@1045.99	M
@550.1		Element_type	#181	M
@551.1		Element_type.element_code	#181, 'Supplier Module Parts List'	S
@553.1		Element_type.type_of_coding_scheme	#181, 'Distribution Product'	S
@558		Element_identification to Element_type (element_classifications)	@511.1	M
@550.2		Element_type	#182	M
@551.2		Element_type.element_code	#182, 'SMPL IDENTIFIER'	S
@556		Alternate_element_identification to Element_type (element_classifications)	@22	M
@550.3		Element_type	#185	M
@551.3		Element_type.element_code	#185, 'MC'	S
@553.3		Element_type.type_of_coding_scheme	#185, 'Change Identifier.Change Type'	S
@558		Element_identification to Element_type (element_classifications)	@511.2	M
@550.4		Element_type	#186	M
@551.4		Element_type.element_code	#186, 'ABC123'	S
@553.4		Element_type.type_of_coding_scheme	#186, 'Change Identifier.Customer Variable'	S
@558		Element_identification to Element_type (element_classifications)	@511.2	M
@550.5		Element_type	#189	M
@551.5		Element_type.element_code	#186, 'drawing'	S

Table 9 – Application elements for 4SMPL_developmental (continued)

Id	V	Application Elements	Value	Req
@558		Element_identification to Element_type (element_classifications)	@511.3	M
@688		Header	#79	M
@699		Header to Header_configuration_with_element_identification (header_configuration)	@721	M
@705		Parts_list_header to Header (common_header)	@1170	M
@721		Header_configuration_with_element_identification	#79	M
@722		Header_configuration_with_element_identification to Configuration (data_configuration)	@164	M
@723		Header_configuration_with_element_identification to Element_identification (identification)	@503.1	M
@726		Header to Header_configuration_with_element_identification (header_configuration)	@699	M
@837.1	*	Item	#144	M
@839.1	*	Item.item_contexts	#167, #192, #200, 'Developmental'	S
@850.1		Item to Item_identification (identification)	@869.1	M
@856		Item to Notation (notes)	@1032.1	M
@867		Tdp_element_and_item_association to Item (related_item)	@1598	M
@837.2	*	Item	#148	M
@842.2	*	Item to Alternate_item (alternates)	@42	M
@850.2	*	Item to Item_identification (identification)	@869.2	M
@861	*	Item_usage to Item (being_defined_for)	@956.1	M
@837.3	*	Item	#149	M
@850.3	*	Item to Item_identification (identification)	@869.2	M
@861		Item_usage to Item (being_defined_for)	@956.2	M
@837.4	*	Item	#150	M

Table 9 – Application elements for 4SMPL_developmental (continued)

Id	V	Application Elements	Value	Req
@850.4	*	Item to Item_identification (identification)	@869.3	M
@861		Item_usage to Item (being_defined_for)	@956.3	M
@869.1	*	Item_identification	#167	M
@870.1	*	Item_identification.identifying_number	#192, '616MODPAM200'	S
@878		Item_identification to Change_identification (change)	@84.2	M
@881		Item_identification to Item_type (classifications)	@945.1, @945.2	M
@882.1		Item_identification to Design_authority (design_activity)	@444.2	M
@896		Item to Item_identification (identification)	@850.1	M
@899		Item_list to Item_identification (list_for)	@921.1, @921.2	M
@869.2	*	Item_identification	#164	M
@870.2	*	Item_identification.identifying_number	#196, '616SCPPAM100'	S
@880.2	*	Item_identification to Item_type (classifications)	@945.3	M
@882.2	*	Item_identification to Design_authority (design_activity)	@444.1	M
@8921	*	Product_configuration to Item_identification (design_item)	@12092	M
@869.3	*	Item_identification	#169	M
@870.3	*	Item_identification.identifying_number	#194, '616EGPPAE900'	S
@873.3	*	Item_identification.nomenclature_or_name	#194, 'DESCRIPTION FIELD FOR ENGINEERING PART'	S
@880.3	*	Item_identification to Item_type (classifications)	@945.4	M
@882.3	*	Item_identification to Design_authority (design_activity)	@444.3	M
@897	*	Item to Item_identification (identification)	@850.2, @850.3	M
@869.4	*	Item_identification	#162	M
@870.4	*	Item_identification.identifying_number	#195, '616EGPPAE90001'	S

Table 9 – Application elements for 4SMPL_developmental (continued)

Id	V	Application Elements	Value	Req
@873.4	*	Item_identification.nomenclature_or_name	#195, 'DESCRIPTION FIELD FOR SUBSTITUTE ENGINEERING PART'	S
@880.4	*	Item_identification to Item_type (classifications)	@945.4	M
@882.4	*	Item_identification to Design_authority (design_activity)	@444.3	M
@896		Item to Item_identification (identification)	@850.4	M
@910.1	*	Item_list	#145, #39, #155, 'item list'	M
@911.1	*	Item_list.type_of_component_list	#40, #158, 'module components list'	S
@918.1	*	Item_list to Item_usage (component_of)	@953.1	M
@921.1	*	Item_list to Item_identification (list_for)	@869.1	M
@923	*	Parts_list_body to Item_list (parts_tabulations)	@1160	M
@910.2	*	Item_list	#146, #42, #155, 'item list'	M
@911.2	*	Item_list.type_of_component_list	#43, #158, 'module components list'	S
@918.2	*	Item_list to Item_usage (component_of)	@953.2	M
@921.2	*	Item_list to Item_identification (list_for)	@869.1	M
@923		Parts_list_body to Item_list (parts_tabulations)	@1160	M
@945.1		Item_type	#183	M
@946.1		Item_type.item_code	#183, 'module'	S
@951		Item_identification to Item_type (classifications)	@881	M
@945.2	*	Item_type	#187	M
@946.2	*	Item_type.item_code	#187, '2A'	S
@948	*	Item_type.type_of_coding_scheme	#187, 'TAILORED BUSINESS STREAM'	S
@951		Item_identification to Item_type (classifications)	@881	M
@945.3		Item_type	#1831	M
@946.3		Item_type.item_code	#1831, 'supplier custom part'	S

Table 9 – Application elements for 4SMPL_developmental (continued)

Id	V	Application Elements	Value	Req
@951		Item_identification to Item_type (classifications)	@880.2	M
@945.4		Item_type	#188	M
@946.4		Item_type.item_code	#188, 'part'	S
@952		Item_identification to Item_type (classifications)	@880.3 - @880.4	M
@953.1	*	Item_usage	#20, 'item usage'	M
@956.1	*	Item_usage to Item (being_defined_for)	@837.2, #148, #41, #157, 'item in list'	M
@958.1	*	Item_usage to Effectivity (effective_on)	@492.1	M
@960	*	Item_usage to List_item_usage (list_item)	@971	M
@968	*	Item_list to Item_usage (component_of)	@919.1	M
@953.2	*	Item_usage	#21, 'item usage'	M
@956.2	*	Item_usage to Item (being_defined_for)	@837.3, #149, #44, #157, 'item in list'	M
@958.2	*	Item_usage to Effectivity (effective_on)	@492.2	M
@968		Item_list to Item_usage (component_of)	@919.2	M
@953.3	*	Item_usage	#15, 'substitution'	M
@956.3	*	Item_usage to Item (being_defined_for)	@837.4, #150, #46, #157, 'item in list'	M
@962	*	Item_usage to Quantity (quantity_used_in_next_higher_assembly)	@1251	M
@969	*	Alternate_item to Item_usage (interchange_item)	@51	M
@971	*	List_item_usage	#20	M
@986	*	List_item_usage to Notation (entry_notes)	@1032.2 - @1032.4	M
@987	*	Item_usage to List_item_usage (list_item)	@960.3	M
@1032.1	*	Notation	#51, #27, 'notation'	M
@1033.1	*	Notation.note	#51i, '2A'	S
@1038.1	*	Notation.note_title	#51, 'TAILORED BUSINESS STREAM'	S
@1065	*	Item to Notation (notes)	@856	M

Table 9 – Application elements for 4SMPL_developmental (continued)

Id	V	Application Elements	Value	Req
@1032.2	*	Notation	#49, #29, 'notation'	M
@1033.2	*	Notation.note	#49, '616PSTBAB200 SHEET 1'	S
@1038.2	*	Notation.note_title	#49, 'DRAWING'	S
@1045.2	*	Notation to Element_identification (referenced_document_in_note)	@503.3	M
@1059		List_item_usage to Notation (entry_notes)	@986	M
@1032.3	*	Notation	#53, #29, 'notation'	M
@1033.3	*	Notation.note	#53, 'AIRPLANE MAINTENANCE ZONE'	S
@1038.3	*	Notation.note_title	#53, 'TWILIGHT ZONE'	S
@1059		List_item_usage to Notation (entry_notes)	@986	M
@1032.4	*	Notation	#52, #28, 'notation'	M
@1033.4	*	Notation.note	#52, 'TEXT FIELD FOR FREE FORM NOTE 4'	S
@1038.4	*	Notation.note_title	#52, 'TITLE FIELD FOR FREE FORM NOTE 4'	S
@1059		List_item_usage to Notation (entry_notes)	@986	M
@1032.9 9		Notation	#50, #31, 'notation'	M
@1033.9 9		Notation.note	#50, 'NOTICE – THE INFORMATION CONTAINED HEREIN IS PROPRIETARY.'	S
@1042		Notation.type_of_notation	#10, #11, 'type of notation', #12, 'STANDARD NOTES'	C5
@1045.9 9		Notation to Element_identification (referenced_document_in_note)	@503.9	M
@1063		Parts_list_body to Notation (notes_list)	@1158	M
@1285		Reference_document (as Other_reference_document)	#163, #193, #179, 'document', #175, #184, 'reference document'	M

Table 9 – Application elements for 4SMPL_developmental (continued)

Id	V	Application Elements	Value	Req
@1288		Reference_document to Element_identification (document_identification)	@503.2	M
@1119		Other_reference_document	#163, #193, #179, 'document', #147, #156, #202, 'reference document'	M
@1128		Change_identification to Other_reference_document (revision_authorization_identifications)	@111	M
@1591		Tdp_element (as Associated_list)	#168, #190, #179, 'document', #172, #180, 'parts list'	M
@1595		Tdp_element_and_item_association to Tdp_element (related_tdp_element)	@1597	M
@71		Associated_list (as Parts_list)	#168, #190, #180 'parts list'	M
@1153	*	Parts_list	#168, #190, #179, 'document', #172, #180, 'parts list'	M
@1154		Parts_list to Parts_list_body (list_body)	@1156	M
@1155		Parts_list to Parts_list_header (list_header)	@1169	M
@1156	*	Parts_list_body	#143, 'parts list body'	M
@1158		Parts_list_body to Notation (list_notes)	@1032.99	M
@1161		Parts_list_body to Item_list (parts_tabulations)	@910.1, #34, 'parts tabulation', @910.2, #35, 'parts tabulation'	M
@1168		Parts_list to Parts_list_body (list_body)	@1154	M
@1169	*	Parts_list_header	#79, 'parts list header'	M
@1170		Parts_list_header to Header (common_header)	@688	M
@1171		Parts_list to Parts_list_header (list_header)	@1155	M
@1172		Person	#130	M
@1176		Person.last_name	#130, 'NULL'	S
@1181	*	Person.unique_identifier	#130, 'Lou Tenant'	S
@1184		Design_authority to Person (person_responsible)	@449	M
@1205	*	Product_configuration	#69	M

Table 9 – Application elements for 4SMPL_developmental (continued)

Id	V	Application Elements	Value	Req
@1206	*	Product_configuration.configuration_id	#69, '616SCPPAM100'	S
@12092		Product_configuration to Item_identification (design_item)	@869.2	M
@1210		Product_configuration to Product_model (product_name)	@1238	M
@1211		Configuration to Product_configuration (end_item_system_designation)	@171	M
@1214		Effectivity to Product_configuration (product)	@498.1 - @498.2	M
@1238	*	Product_model	#70	M
@1239	*	Product_model.model_name	#70, '737'	S
@1240		Product_configuration to Product_model (product_name)	@1210	M
@1251	*	Quantity	#1503	M
@1255	*	Quantity.quantity_accuracy	#1504, #1505, 'as required'	M
@1258	*	Quantity.value_of	#1503, 'as required'	M
@1261	*	Item_usage to Quantity (quantity_used_in_next_higher_assembly)	@962	M
@1317		Release_authentication	#99	M
@1318		Release_authentication.authentication	#98, 'PDM'	S
@1321		Release_authentication to Company (release_authority)	@134.1, #76, #77, 'release authentication'	M
@1324		Release_authentication to Date (release_date)	@397, #104, #84, #106, 'release authentication'	M
@1325		Configuration to Release_authentication (release_authorizations)	@176	M
@1360		Security_classification	#74	M
@1361		Security_classification.item_classification	#74, 'item security classification', #75, 'PROPRIETARY'	C6
@1368		Configuration to Security_classification (security_identifications)	@179	M

Table 9 – Application elements for 4SMPL_developmental (continued)

Id	V	Application Elements	Value	Req
@492.1	*	Effectivity (as Sequence_effectivity)	#18	M
@494.1	*	Effectivity.description	#16, 'availability'	S
@498.1	*	Effectivity to Product_configuration (product)	@1205	M
@501	*	Item_usage to Effectivity (effective_on)	@958.1	M
@1372.1	*	Sequence_effectivity	#18	M
@1373.1	*	Sequence_effectivity.from_effectivity_id	#18, '300'	S
@1377.1	*	Sequence_effectivity.thru_effectivity_id	#18, '99999'	S
@1378	*	Sequence_effectivity to Quantity (total_component_quantity_in_product_configuration)	<not_present>	M
@492.2		Effectivity (as Sequence_effectivity)	#19	M
@494.2		Effectivity.description	#17, 'availability'	S
@498.2		Effectivity to Product_configuration (product)	@1205	M
@501		Item_usage to Effectivity (effective_on)	@958.2	M
@1372.2		Sequence_effectivity	#19	M
@1373.2		Sequence_effectivity.from_effectivity_id	#19, '300'	S
@1377.2		Sequence_effectivity.thru_effectivity_id	#19, '99999'	S
@1480	*	Status	#65	M
@1481	*	Status.status_code	#65, 'Approved'	S
@1484		Change_identification to Status (action_status)	@106	M
@1597		Tdp_element_and_item_association	#72	M
@1598		Tdp_element_and_item_association to Item (related_item)	@837.1	M
@1599		Tdp_element_and_item_association to Tdp_element (related_tdp_element)	@1595	M
@1640		Time	#101	M
@1641		Time.hour	#101, 18	S
@1643		Time.minute	#101, 49	S

Table 9 – Application elements for 4SMPL_developmental (concluded)

Id	V	Application Elements	Value	Req
@1645		Time.second	#101, 10.	S
@1646		Time.zone	#100, -8	S
@1647		Date to Time (specific_time)	@406	M

6.9.1.3 Verdict criteria

The following general verdict criteria apply: gvc1, gvc2, and gvc3.

The verdict criteria derivable from the application elements with non-blank entries in the V column of the preprocessor input specification table apply.

The following preprocessor-specific verdict criteria apply: none apply.

6.9.1.4 Constraints on values

The following constraints apply as referenced in the input specification table:

c1: The value '1' is suggested; all other attribute values are mandatory.

c2: The value 'A' is suggested; all other attribute values are mandatory.

c3: The value 'B' is suggested; all other attribute values are mandatory.

c4: The value 'Work Group.Group Code' is suggested; all other attribute values are mandatory.

c5: The value 'STANDARD NOTES' is suggested; all other attribute values are mandatory.

c6: The value 'PROPRIETARY' is suggested; all other attribute values are mandatory.

6.9.2 Postprocessor

6.9.2.1 Test purpose coverage

The following general test purposes are covered: g1, g4, and g5.

The following other test purposes are covered: other2, other5, and other6.

In the preprocessor input specification table of this test case, the numbers in the Id column (ignoring the part beyond the decimal point, if any) whose rows are not empty in the V column identify the AE test purposes that are covered by this test case.

6.9.2.2 Input specification

The postprocessor input specification is provided in electronic form only. See annex C.

6.9.2.3 Verdict criteria

The following general verdict criteria apply: gvc1, gvc4, and gvc5.

The verdict criteria derivable from the application elements with non-blank entries in the V column of the preprocessor input specification table apply.

The following specific verdict criteria apply: none apply.

6.10 6UoF_IDL1

The purpose of this test case is to test the UoF `indentured_data_list` with the minimum of information as determined by application element `Indentured_data_list` and its related, nonoptional application elements. The type of indentured data list is indentured list by document, as specified by attribute `method_of_entry_tabulation` of object `Indentured_data_list_tabulation`. The `Indentured_data_list_-entry` instance, through its attribute `enty`, relates to the same instance of `Tdp_indentured_tdp_element` that identifies the top level document for the indentured data list. This construction causes the indentured data list to have an empty list.

NOTE 1 The method of constructing a minimal test requires application object `Configuration` which itself has no required attributes. However, one of the optional attribute must be present. This test case has chosen optional attribute `release_authorizations` and related application object `Release_authentication`.

NOTE 2 See Figure E.44 for an instance diagram of the application elements.

6.10.1 Preprocessor

6.10.1.1 Test purposes covered

In the preprocessor input specification table of this test case, the numbers in the Id column (ignoring the part beyond the decimal point, if any), whose rows are not empty in the V column identify the AE test purposes that are covered by this test case.

The following general test purposes are covered: g1, g2, and g3.

The following other test purposes are covered: other1 and other14.

6.10.1.2 Input specification

Table 10 – Application elements for 6UoF_IDL1

Id	V	Application Elements	Value	Req
@84	*	<code>Change_identification</code>	#10, 'change identification'	M
@90	*	<code>Change_identification.change_code</code>	#10 'revision'	M
@92	*	<code>Change_identification.change_description</code>	<not_present>	M
@94	*	<code>Change_identification.change_level</code>	<not_present>	M

Table 10 – Application elements for 6UoF_IDL1 (continued)

Id	V	Application Elements	Value	Req
@96	*	Change_identification.issue_level	<not_present>	M
@98	*	Change_identification.revision_authorization_identifications	<not_present>	M
@101	*	Change_identification.revision_description	<not_present>	M
@103	*	Change_identification.revision_level	#12, 'change identification level', #13, ('A', 'revision'), #14, #15, #19, 'change identification', #28, 'A'	C1
@105	*	Change_identification to Status (action_status)	<not_present>	M
@107	*	Change_identification to Date (change_date)	<not_present>	M
@109	*	Change_identification to Date (issue_date)	<not_present>	M
@113	*	Change_identification to Date (revision_date)	<not_present>	M
@119	*	Element_identification to Change_identification (change_status)	@508.1	M
@134	*	Company	#22	M
@135	*	Company.address	<not_present>	M
@137	*	Company.name	#22, 'The Errorspace Company'	S
@144	*	Design_authority to Company (design_activity_identification)	@445	M
@148	*	Release_authentication to Company (release_authority)	@1321	M
@164	*	Configuration	#23	M
@165	*	Configuration.data_usage_rights	<not_present>	M
@167	*	Configuration to Distribution_notice (distribution_authorizations)	<not_present>	M
@170	*	Configuration to Product_configuration (end_item_system_designation)	<not_present>	M
@172	*	Configuration to Contract (preparing_contracts)	<not_present>	M
@176	*	Configuration to Release_authentication (release_authorizations)	@1317, #24, #16, #20, 'release authentication'	M

Table 10 – Application elements for 6UoF_IDL1 (continued)

Id	V	Application Elements	Value	Req
@178	*	Configuration to Security_classification (security_identifications)	<not_present>	M
@181	*	Header_configuration_with_element_identification to Configuration (data_configuration)	@722	M
@397	*	Date	#25	M
@399	*	Date.day	#25, 21	S
@401	*	Date.month	#25, 12	S
@402	*	Date.week	<not_present>	M
@404	*	Date.year	#25, 2000	S
@405	*	Date to Time (specific_time)	<not_present>	M
@423	*	Release_authentication to Date (release_date)	@1324	M
@444	*	Design_authority	#26, #261	M
@4442	*	Design_authority.role	#27, 'id owner', #271, 'creator'	M
@445	*	Design_authority to Company (design_activity_identification)	@134	M
@447	*	Design_authority to Company_code (design_activity_code)	@152	M
@448	*	Design_authority to Person (person_responsible)	<not_present>	M
@455	*	Element_identification to Design_authority (design_activities)	@509.1, @509.2, @509.3	M
@503.1	*	Element_identification	#28, #30, #32, 'document'	M
@504.1	*	Element_identification.identifying_number	#30, 'idl-1'	S
@506.1	*	Element_identification.title	#30, 'Minimal Indentured Data List'	S
@5061	*	Element_identification to Alternate_element_identification (alternate_identifications)	<not_present>	M
@508.1	*	Element_identification to Change_identification (change_status)	@84	M
@509.1	*	Element_identification to Design_authority (design_activities)	@444	M

Table 10 – Application elements for 6UoF_IDL1 (continued)

Id	V	Application Elements	Value	Req
@510	*	Element_identification to Element_type (element_classifications)	<not_present>	M
@513	*	Element_identification to Other_reference_document (outstanding_changes)	<not_present>	M
@526	*	Header_configuration_with_element_identification to Element_identification (identification)	@723	M
@503.2	*	Element_identification	#29, #31, #32, 'document'	M
@504.2	*	Element_identification.identifying_number	#31, 'h1'	S
@506.2	*	Element_identification.title	#31, 'hub assembly'	S
@507	*	Element_identification to Change_identification (change_status)	<not_present>	M
@509.2	*	Element_identification to Design_authority (design_activities)	@444	M
@530	*	Tdp_element_parent_to_tdp_element_child_relationship to Element_identification (parent)	@1615	M
@548	*	Tdp_indentured_tdp_element to Element_identification (tdp_indenture)	@1629	M
@688	*	Header	#23	M
@689	*	Header.document_abstract	<not_present>	M
@691	*	Header.document_keywords	<not_present>	M
@694	*	Header.languages	<not_present>	M
@697	*	Header.sheet_count	<not_present>	M
@699	*	Header to Header_configuration_with_element_identification (header_configuration)	@721	M
@700	*	Header to Size_characteristics_full_size (size_of_sheet)	<not_present>	M
@704	*	Indentured_data_list_header to Header (common_header)	@1170	M
@721	*	Header_configuration_with_element_identification	#23	M
@722	*	Header_configuration_with_element_identification to Configuration (data_configuration)	@164	M

Table 10 – Application elements for 6UoF_IDL1 (continued)

Id	V	Application Elements	Value	Req
@723	*	Header_configuration_with_element_identification to Element_identification (identification)	@503.1	M
@726	*	Header to Header_configuration_with_element_identification (header_configuration)	@699	M
@1591	*	Tdp_element (as Associated_list)	#28, #30, #32, 'document', #34, #33, 'indented data list'	M
@69	*	Associated_list (as Document_list)	#28, #30, #33, 'indented data list'	M
@72	*	Associated_list to List_presentation (presentation)	<not_present>	M
@74	*	Associated_list to drawing_or_product_data_set (related_to)	<not_present>	M
@469	*	Document_list (as Indented_data_list)	#46	M
@737	*	Indented_data_list	#28, #30, #32, 'document', #34, #33, 'indented data list'	M
@738	*	Indented_data_list to Indented_data_list_body (body)	@740	M
@739	*	Indented_data_list to Indented_data_list_header (header)	@780	M
@740	*	Indented_data_list_body	#35, 'indented data list content'	M
@741	*	Indented_data_list_body to Indented_data_list_tabulation (indented_tabulation)	@788, #45, 'equivalence', #43, #44, 'configuration controlled document definition', #42, #17, #21, 'indented by document'	M
@742	*	Indented_data_list_body to Notation (notes_list)	<not_present>	M
@745	*	Indented_data_list_body to Revision (revision_history)	<not_present>	M
@748	*	Indented_data_list_body to Element_identification (standardization_documents_list)	<not_present>	M
@751	*	Indented_data_list to Indented_data_list_body (body)	@738	M
@752	*	Indented_data_list_entry	#36, #40, #39, 'indented d t l i t t '	M

Table 10 – Application elements for 6UoF_IDL1 (continued)

Id	V	Application Elements	Value	Req
@753	*	Indentured_data_list_entry.entry_item_change_level	<not_present>	M
@755	*	Indentured_data_list_entry.indenture_level	<not_present>	M
@757	*	Indentured_data_list to Source_identification (available_from)	<not_present>	M
@762	*	Indentured_data_list to Effectivity (effective_on)	<not_present>	M
@7672	*	Indentured_data_list_entry to Tdp_indentured_tdp_element (entry)	@1630	M
@768	*	Indentured_data_list_entry to Configuration (entry_configuration)	<not_present>	M
@770	*	Indentured_data_list_entry to Notation (entry_notes)	<not_present>	M
@7721	*	Indentured_data_list_entry to Retrofit_usage (retrofit)	<not_present>	M
@773	*	Indentured_data_list_entry to Special_condition (special_conditions)	<not_present>	M
@776	*	Indentured_data_list_entry to Element_identification (superseded_entry)	<not_present>	M
@778	*	Indentured_data_list_tabulation to Indentured_data_list_entry (tabulation_of_entries)	@792	M
@780	*	Indentured_data_list_header	#23, 'indentured data list header'	M
@781	*	Indentured_data_list_header to Header (common_header)	@688	M
@782	*	Indentured_data_list_header to identification_select (procurement_references)	<not_present>	M
@787	*	Indentured_data_list to Indentured_data_list_header (header)	@739	M
@788	*	Indentured_data_list_tabulation	#42, #17, #21, 'indentured by document'	M
@789	*	Indentured_data_list_tabulation to Indentured_list_by_document (method_of_entry_tabulation)	@795	M

Table 10 – Application elements for 6UoF_IDL1 (concluded)

Id	V	Application Elements	Value	Req
@792	*	Indentured_data_list_tabulation to Indentured_data_list_entry (tabulation_of_entries)	@752	M
@794	*	Indentured_data_list_body to Indentured_data_list_tabulation (indentured_tabulation)	@741	M
@795	*	Indentured_list_by_document	#42, #17, #21, 'indentured by document'	M
@796	*	Indentured_list_by_document to Tdp_indentured_tdp_element (tdp_indentured_tdp_elements)	@1630	M
@798	*	Indentured_data_list_tabulation to Indentured_list_by_document (method_of_entry_tabulation)	@789	M
@1317	*	Release_authentication	#46	M
@1318	*	Release_authentication.authentication	#47, 'approved'	S
@1319	*	Release_authentication to Person (person_responsible)	<not_present>	M
@1321	*	Release_authentication to Company (release_authority)	@134, #48, #49, 'release authentication'	M
@1322	*	Release_authentication to Company_code (release_authority_code)	<not_present>	M
@1324	*	Release_authentication to Date (release_date)	@397, #50, #18, #20, 'release authentication'	M
@1325	*	Configuration to Release_authentication (release_authorizations)	@176	M
@1630	*	Tdp_indentured_tdp_element	#36	M
@1631	*	Tdp_indentured_tdp_element to Element_identification (tdp_indenture)	@503.2	M
@1632	*	Indentured_data_list_entry to Tdp_indentured_tdp_element (entry)	@7672	
@1638	*	Indentured_list_by_document to Tdp_indentured_tdp_element (tdp_indentured_tdp_elements)	@796	M

6.10.1.3 Verdict criteria

The following general verdict criteria apply: gvc1, gvc2, and gvc3.

The verdict criteria derivable from the application elements with non-blank entries in the V column of the preprocessor input specification table apply.

The following preprocessor-specific verdict criteria apply: none apply.

6.10.1.4 Constraints on values

The following constraints apply as referenced in the input specification table:

C1: The value 'A' is suggested; all other attribute values are mandatory.

6.10.2 Postprocessor

6.10.2.1 Test purpose coverage

The following general test purposes are covered: g1, g4, and g5.

The following other test purposes are covered: other2, other5, and other6.

In the preprocessor input specification table of this test case, the numbers in the Id column (ignoring the part beyond the decimal point, if any) whose rows are not empty in the V column identify the AE test purposes that are covered by this test case.

6.10.2.2 Input specification

The postprocessor input specification is provided in electronic form only. See annex C.

6.10.2.3 Verdict criteria

The following general verdict criteria apply: gvc1, gvc4, and gvc5.

The verdict criteria derivable from the application elements with non-blank entries in the V column of the preprocessor input specification table apply.

The following specific verdict criteria apply: none apply.

6.11 6UoF_IDL2

The purpose of this test case is to test the UoF `indentured_data_list` with the minimum of information as determined by application element `Indentured_data_list` and its related, nonoptional application elements. The type of indentured data list is indentured list by document, as specified by attribute `method_of_entry_tabulation` of object `Indentured_data_list_tabulation`.

NOTE 1 The method of constructing a minimal test requires application object Configuration which itself has no required attributes. However, one of the optional attributes must be present. This test case has chosen optional attribute `release_authorizations` and related application object `Release_authentication`.

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NOTE 2 See Figures E.45 and E.46 for instance diagrams of the application elements.

6.11.1 Preprocessor

6.11.1.1 Test purposes covered

In the preprocessor input specification table of this test case, the numbers in the Id column (ignoring the part beyond the decimal point, if any), whose rows are not empty in the V column identify the AE test purposes that are covered by this test case.

The following general test purposes are covered: g1, g2, and g3.

The following other test purposes are covered: other1 and other14.

6.11.1.2 Input specification

Table 11 – Application elements for 6UoF_IDL2

Id	V	Application Elements	Value	Req
@84.1	*	Change_identification	#10, 'change identification'	M
@90.1	*	Change_identification.change_code	#10 'revision'	M
@92	*	Change_identification.change_description	<not_present>	M
@94	*	Change_identification.change_level	<not_present>	M
@96	*	Change_identification.issue_level	<not_present>	M
@98	*	Change_identification.revision_authorization_identifications	<not_present>	M
@101	*	Change_identification.revision_description	<not_present>	M
@104.1	*	Change_identification.revision_level	#17, 'change identification level', #20, ('A', 'revision'), #23, #27, #34, 'change identification', #46, 'A'	C1
@105	*	Change_identification to Status (action_status)	<not_present>	M
@107	*	Change_identification to Date (change_date)	<not_present>	M
@109	*	Change_identification to Date (issue_date)	<not_present>	M
@113	*	Change_identification to Date (revision_date)	<not_present>	M
@119.1	*	Element_identification to Change_identification (change_status)	@508.1	M
@84.2	*	Change_identification	#11, 'change identification'	M
@90.2	*	Change_identification.change_code	#11, 'revision'	M

Table 11 – Application elements for 6UoF_IDL2 (continued)

Id	V	Application Elements	Value	Req
@102.2	*	Change_identification.revision_description	#15, 'Description for version A of h1'	S
@104.2	*	Change_identification.revision_level	#18, 'change identification level', #21, ('A', 'revision'), #24, #28, #34, 'change identification', #47, 'A'	C1
@119.2	*	Element_identification to Change_identification (change_status)	@508.2	M
@84.3	*	Change_identification	#12, 'change identification'	M
@90.3	*	Change_identification.change_code	#12, 'revision'	M
@102.3	*	Change_identification.revision_description	#16, 'Description for version A of d1'	S
@104.3	*	Change_identification.revision_level	#19, 'change identification level', #22, ('A', 'revision'), #25, #29, #34, 'change identification', #48, 'A'	C1
@119.3	*	Element_identification to Change_identification (change_status)	@508.3	M
@134	*	Company	#38	M
@135	*	Company.address	<not_present>	M
@137	*	Company.name	#38, 'New Ventures, Inc.'	S
@144	*	Design_authority to Company (design_activity_identification)	@445	M
@148	*	Release_authentication to Company (release_authority)	@1321	M
@152	*	Company_code	#38	M
@153	*	Company_code.code	#39, '99999'	S
@155	*	Company_code.type_of_code	#40, ('alias id', 'CAGE')	M
@156	*	Company_code to Company (code_administrator)	<not_present>	M
@158	*	Design_authority to Company_code (design_activity_code)	@447	M
@164	*	Configuration	#41	M

Table 11 – Application elements for 6UoF_IDL2 (continued)

Id	V	Application Elements	Value	Req
@165	*	Configuration.data_usage_rights	<not_present>	M
@167	*	Configuration to Distribution_notice (distribution_authorizations)	<not_present>	M
@170	*	Configuration to Product_configuration (end_item_system_designation)	<not_present>	M
@172	*	Configuration to Contract (preparing_contracts)	<not_present>	M
@176	*	Configuration to Release_authentication (release_authorizations)	@1317, #42, #30, #35, 'release authentication'	M
@178	*	Configuration to Security_classification (security_identifications)	<not_present>	M
@181	*	Header_configuration_with_element_identification to Configuration (data_configuration)	@722	M
@397	*	Date	#43	M
@399	*	Date.day	#43, 02	S
@401	*	Date.month	#43, 11	S
@402	*	Date.week	<not_present>	M
@404	*	Date.year	#43, 2000	S
@405	*	Date to Time (specific_time)	<not_present>	M
@423	*	Release_authentication to Date (release_date)	@1324	M
@444	*	Design_authority	#44, #441	M
@4442	*	Design_authority.role	#45, 'id owner', #451, 'creator'	M
@445	*	Design_authority to Company (design_activity_identification)	@134	M
@447	*	Design_authority to Company_code (design_activity_code)	@152	M
@448	*	Design_authority to Person (person_responsible)	<not_present>	M
@455	*	Element_identification to Design_authority (design_activities)	@509.1, @509.2, @509.3	M
@503.1	*	Element_identification	#46, #49, #52, 'document'	M
@504.1	*	Element_identification.identifying_number	#49, 'idl-h1'	S

Table 11 – Application elements for 6UoF_IDL2 (continued)

Id	V	Application Elements	Value	Req
@506.1	*	Element_identification.title	#49, 'indentured list for hub assembly'	S
@5061	*	Element_identification to Alternate_element_identification (alternate_identifications)	<not_present>	M
@508.1	*	Element_identification to Change_identification (change_status)	@84.1	M
@509.1	*	Element_identification to Design_authority (design_activities)	@444	M
@510	*	Element_identification to Element_type (element_classifications)	<not_present>	M
@513	*	Element_identification to Other_reference_document (outstanding_changes)	<not_present>	M
@526	*	Header_configuration_with_element_identification to Element_identification (identification)	@723	M
@503.2	*	Element_identification	#47, #50, #52, 'document'	M
@504.2	*	Element_identification.identifying_number	#50, 'h1'	S
@506.2	*	Element_identification.title	#50, 'hub assembly'	S
@508.2	*	Element_identification to Change_identification (change_status)	@84.2	M
@509.2	*	Element_identification to Design_authority (design_activities)	@444	M
@530	*	Tdp_element_parent_to_tdp_element_child_relationship to Element_identification (parent)	@1615	M
@548	*	Tdp_indentured_tdp_element to Element_identification (tdp_indenture)	@1629	M
@503.3	*	Element_identification	#48, #51, #52, 'document'	M
@504.3	*	Element_identification.identifying_number	#51, 'd1'	S
@506.3	*	Element_identification.title	#51, 'disc with holes'	S
@508.3	*	Element_identification to Change_identification (change_status)	@84.3	M
@509.3	*	Element_identification to Design_authority (design_activities)	@444	M

Table 11 – Application elements for 6UoF_IDL2 (continued)

Id	V	Application Elements	Value	Req
@518	*	Tdp_element_parent_to_tdp_element_child_relationship to Element_identification (child)	@1614	M
@688	*	Header	#41	M
@689	*	Header.document_abstract	<not_present>	M
@691	*	Header.document_keywords	<not_present>	M
@694	*	Header.languages	<not_present>	M
@697	*	Header.sheet_count	<not_present>	M
@699	*	Header to Header_configuration_with_element_identification (header_configuration)	@721	M
@700	*	Header to Size_characteristics_full_size (size_of_sheet)	<not_present>	M
@704	*	Indentured_data_list_header to Header (common_header)	@781	M
@721	*	Header_configuration_with_element_identification	#41	M
@722	*	Header_configuration_with_element_identification to Configuration (data_configuration)	@164	M
@723	*	Header_configuration_with_element_identification to Element_identification (identification)	@503.1	M
@726	*	Header to Header_configuration_with_element_identification (header_configuration)	@699	M
@1591	*	Tdp_element (as Associated_list)	#46, #49, #52, 'document', #56, #53, 'indentured data list'	M
@69	*	Associated_list (as Document_list)	#46, #49, #53, 'indentured data list'	M
@72	*	Associated_list to List_presentation (presentation)	<not_present>	M
@74	*	Associated_list to drawing_or_product_data_set (related_to)	<not_present>	M
@469	*	Document_list (as Indentured_data_list)	#46	M
@737	*	Indentured_data_list	#46, #49, #52, 'document', #56, #53, 'indentured data list'	M

Table 11 – Application elements for 6UoF_IDL2 (continued)

Id	V	Application Elements	Value	Req
@738	*	Indentured_data_list to Indentured_data_list_body (body)	@740	M
@739	*	Indentured_data_list to Indentured_data_list_header (header)	@780	M
@740	*	Indentured_data_list_body	#59, 'indentured data list content'	M
@741	*	Indentured_data_list_body to Indentured_data_list_tabulation (indentured_tabulation)	@788, #71, 'equivalence', #69, #70, 'configuration controlled document definition', #68, #32, #37, 'indentured by document'	M
@742	*	Indentured_data_list_body to Notation (notes_list)	<not_present>	M
@745	*	Indentured_data_list_body to Revision (revision_history)	<not_present>	M
@748	*	Indentured_data_list_body to Element_identification (standardization_documents_list)	<not_present>	M
@751	*	Indentured_data_list to Indentured_data_list_body (body)	@738	M
@752	*	Indentured_data_list_entry	#60, #66, #64, 'indentured data list entry'	M
@754	*	Indentured_data_list_entry.entry_item_change_level	#26, #31, #36, 'change identification for entry', #10, #17, #20, 'A'	C1
@755	*	Indentured_data_list_entry.indenture_level	<not_present>	M
@757	*	Indentured_data_list_entry to source_identification (available_from)	<not_present>	M
@762	*	Indentured_data_list_entry to Effectivity (effective_on)	<not_present>	M
@767	*	Indentured_data_list_entry to Tdp_element_parent_to_tdp_element_child_relationship (entry)	@1613	M
@768	*	Indentured_data_list_entry to Configuration (entry_configuration)	<not_present>	M
@770	*	Indentured_data_list_entry to Notation (entry_notes)	<not_present>	M

Table 11 – Application elements for 6UoF_IDL2 (continued)

Id	V	Application Elements	Value	Req
@7721	*	Indentured_data_list_entry to Retrofit_usage (retrofit)	<not_present>	M
@773	*	Indentured_data_list_entry to Special_conditions (special_conditions)	<not_present>	M
@776	*	Indentured_data_list_entry to Element_identification (superseded_entry)	<not_present>	M
@778	*	Indentured_data_list_tabulation to Indentured_data_list_entry (tabulation_of_entries)	@792	M
@780	*	Indentured_data_list_header	#41, 'indentured data list header'	M
@781	*	Indentured_data_list_header to Header (common_header)	@688	M
@782	*	Indentured_data_list_header to identification_select (procurement_references)	<not_present>	M
@787	*	Indentured_data_list to Indentured_data_list_header (header)	@739	M
@788	*	Indentured_data_list_tabulation	#68, #32, #37, 'indentured by document'	M
@789	*	Indentured_data_list_tabulation to Indentured_list_by_document (method_of_entry_tabulation)	@795	M
@792	*	Indentured_data_list_tabulation to Indentured_data_list_entry (tabulation_of_entries)	@752	M
@794	*	Indentured_data_list_body to Indentured_data_list_tabulation (indentured_tabulation)	@741	M
@795	*	Indentured_list_by_document	#68, #32, #37, 'indentured by document'	M
@796	*	Indentured_list_by_document to Tdp_indentured_tdp_element (tdp_indentured_tdp_elements)	@1628	M
@798	*	Indentured_data_list_tabulation to Indentured_list_by_document (method_of_entry_tabulation)	@789	M
@1317	*	Release_authentication	#72	M

Table 11 – Application elements for 6UoF_IDL2 (concluded)

Id	V	Application Elements	Value	Req
@1318	*	Release_authentication.authentication	#73, 'approved'	S
@1319	*	Release_authentication to Person (person_responsible)	<not_present>	M
@1321	*	Release_authentication to Company (release_authority)	@134, #74, #75, 'release authentication'	M
@1322	*	Release_authentication to Company_code (release_authority_code)	<not_present>	M
@1324	*	Release_authentication to Date (release_date)	@397, #76, #33, #35, 'release authentication'	M
@1325	*	Configuration to Release_authentication (release_authorizations)	@176	M
@1613	*	Tdp_element_parent_to_tdp_element_child_relationship	#65	M
@1614	*	Tdp_element_parent_to_tdp_element_child_relationship to Element_identification (child)	@503.3	M
@1615	*	Tdp_element_parent_to_tdp_element_child_relationship to Element_identification (parent)	@503.2	M
@1616	*	Indentured_data_list_entry to Tdp_element_parent_to_tdp_element_child_relationship (entry)	@767	M
@1628	*	Tdp_indentured_tdp_element	#61	M
@1629	*	Tdp_indentured_tdp_element to Element_identification (tdp_indenture)	@503.2	M
@1634	*	Indentured_list_by_document to Tdp_indentured_tdp_element (tdp_indentured_tdp_elements)	@796	M

6.11.1.3 Verdict criteria

The following general verdict criteria apply: gvc1, gvc2, and gvc3.

The verdict criteria derivable from the application elements with non-blank entries in the V column of the preprocessor input specification table apply.

The following preprocessor-specific verdict criteria apply: none apply.

6.11.1.4 Constraints on values

The following constraints apply as referenced in the input specification table:

c1: The value 'A'; is suggested; all other attribute values are mandatory.

6.11.2 Postprocessor

6.11.2.1 Test purpose coverage

The following general test purposes are covered: g1, g4, and g5.

The following other test purposes are covered: other2, other5, and other6.

In the preprocessor input specification table of this test case, the numbers in the Id column (ignoring the part beyond the decimal point, if any) whose rows are not empty in the V column identify the AE test purposes that are covered by this test case.

6.11.2.2 Input specification

The postprocessor input specification is provided in electronic form only. See annex C.

6.11.2.3 Verdict criteria

The following general verdict criteria apply: gvc1, gvc4, and gvc5.

The verdict criteria derivable from the application elements with non-blank entries in the V column of the preprocessor input specification table apply.

The following specific verdict criteria apply: none apply.

6.12 6SCML_initial

The purpose of this test case is to create an Indentured Data List of the type known as a Supplier Custom Module List (SCML) with at least one instance of each kind of information object that can comprise a SCML and that serves as a reference for additional SCMLs that will show net change information. The type of Indentured Data List is indentured list by item.

NOTE See Figures E.47 through E.51 for instance diagrams of the application elements.

6.12.1 Preprocessor

6.12.1.1 Test purposes covered

In the preprocessor input specification table of this test case, the numbers in the Id column (ignoring the part beyond the decimal point, if any), whose rows are not empty in the V column identify the AE test purposes that are covered by this test case.

The following general test purposes are covered: g1, g2, and g3.

The following other test purposes are covered: other1, other10, other14, other21, and other34.

6.12.1.2 Input specification

Table 12 – Application elements for 6SCML_initial

Id	V	Application Elements	Value	Req
@12	*	Alternate_element_identification	#168, #179, #175, 'document'	M
@13	*	Alternate_element_identification.identifying_number	#179, '616SCPPAM100YA900362A'	S
@14	*	Alternate_element_identification.title	<not_present>	M
@16	*	Alternate_element_identification to Change_identification (change_status)	<not_present>	M
@18	*	Alternate_element_identification to Design_authority (design_activity)	@444.1	M
@20	*	Alternate_element_identification to Element_type (element_classifications)	@550.2	M
@22	*	Alternate_element_identification to Other_reference_document (outstanding_changes)	<not_present>	M
@25	*	Element_identification to Alternate_element_identification (alternate_identifications)	@5062	M
@59	*	Approval	#43	M
@60	*	Approval.purpose_of	#78, 'release authentication'	S
@61	*	Approval to Date (approval_date)	@397	M
@62	*	Approval to Person_and_organization (person_organization)	<not_present>	M
@67	*	Effectivity to Approval (effectivity_approvals)	@496.1 - @496.4	M
@84.1	*	Change_identification	#126, 'change identification'	M
@90.1	*	Change_identification.change_code	#126, 'revision'	M
@92	*	Change_identification.change_description	<not_present>	M
@94	*	Change_identification.change_level	<not_present>	M
@96	*	Change_identification.issue_level	<not_present>	M
@98	*	Change_identification.revision_authorization_identifications	<not_present>	M

Table 12 – Application elements for 6SCML_initial (continued)

Id	V	Application Elements	Value	Req
@101	*	Change_identification.revision_description	<not_present>	M
@104.1	*	Change_identification.revision_level	#93, 'change identification level', #106, ('A', 'revision'), #119, #61, #84, 'change identification', #160, 'A'	C1
@106.1	*	Change_identification to Status (action_status)	@1480.1	M
@107	*	Change_identification to Date (change_date)	<not_present>	M
@109	*	Change_identification to Date (issue_date)	<not_present>	M
@113	*	Change_identification to Date (revision_date)	<not_present>	M
@119	*	Element_identification to Change_identification (change_status)	@508.1	M
@84.2	*	Change_identification	#127, 'change identification'	M
@91.2	*	Change_identification.change_code	#127, 'revision with change'	M
@95.2	*	Change_identification.change_level	#95, 'change identification level', #108, ('1', 'change')	C2
@104.2	*	Change_identification.revision_level	#94, 'change identification level', #107, ('A', 'revision'), #120, #64, #84, 'change identification', #161, 'A'	C1
@106.2	*	Change_identification to Status (action_status)	@1480.2	M
@124	*	Item_identification to Change_identification (change_status)	@878.2, @878.4	M
@84.3	*	Change_identification	#129, 'change identification'	M
@91.3	*	Change_identification.change_code	#129, 'revision with change'	M
@95.3	*	Change_identification.change_level	#99, 'change identification level', #112, ('1', 'change')	C2
@97	*	Change_identification.issue_level	#100, 'change identification level', #113, ('1', 'sequence')	C2
@104.3	*	Change_identification.revision_level	#98, 'change identification level', #111, ('A', 'revision'), #122, #66, #84, 'change identification', #163, 'A'	C1

Table 12 – Application elements for 6SCML_initial (continued)

Id	V	Application Elements	Value	Req
@106.3	*	Change_identification to Status (action_status)	@1480.3	M
@123	*	Item_identification to Change_identification (change_status)	@878.3	M
@84.4	*	Change_identification	#128, 'change identification'	M
@86	*	Change_identification.change_code	#128, 'change'	M
@95.4	*	Change_identification.change_level	#97, 'change identification level', #110, ('1', 'change')	C2
@103	*	Change_identification.revision_level	<not_present>	M
@106.4	*	Change_identification to Status (action_status)	@1480.4	M
@123	*	Item_identification to Change_identification (change_status)	@878.5	M
@84.9	*	Change_identification	#132, 'change identification'	M
@90.9	*	Change_identification.change_code	#132 'revision'	M
@104.9	*	Change_identification.revision_level	#105, 'change identification level', #132, ('B', 'revision'), #125, #69, #84, 'change identification', #166, 'B'	C3
@105	*	Change_identification to Status (action_status)	<not_present>	M
@119	*	Element_identification to Change_identification (change_status)	@508.9	M
@134.1	*	Company	#140	M
@136	*	Company.address	#134, 'Headquarters, Drizzle, WA 99999'	S
@137.1	*	Company.name	#140, 'The Errorspace Company'	S
@144.1	*	Design_authority to Company (design_activity_identification)	@445.1	M
@148	*	Release_authentication to Company (release_authority)	@1321	M
@134.2	*	Company	#141	M
@135	*	Company.address	<not_present>	M

Table 12 – Application elements for 6SCML_initial (continued)

Id	V	Application Elements	Value	Req
@137.2	*	Company.name	#141, 'The Errorspace Company'	S
@144.2	*	Design_authority to Company (design_activity_identification)	@445.2	M
@152	*	Company_code	#140	M
@153	*	Company_code.code	#135, '99999'	S
@155	*	Company_code.type_of_code	#136, ('alias id', 'CAGE')	M
@156	*	Company_code to Company (code_administrator)	<not_present>	M
@158	*	Design_authority to Company_code (design_activity_code)	@447	M
@164	*	Configuration	#53	M
@165	*	Configuration.data_usage_rights	<not_present>	M
@167	*	Configuration to Distribution_notice (distribution_authorizations)	<not_present>	M
@171	*	Configuration to Product_configuration (end_item_system_designation)	@1205	M
@172	*	Configuration to Contract (preparing_contracts)	<not_present>	M
@176	*	Configuration to Release_authentication (release_authorizations)	@1317, #43, #60, #85, 'release authentication'	M
@179	*	Configuration to Security_classification (security_identifications)	@1360	M
@181	*	Header_configuration_with_element_identification to Configuration (data_configuration)	@722	M
@397	*	Date	#81	M
@399	*	Date.day	#81, 02	S
@401	*	Date.month	#81, 11	S
@402	*	Date.week	<not_present>	M
@404	*	Date.year	#81, 2000	S
@405	*	Date to Time (specific_time)	<not_present>	M
@407	*	Approval to Date (approval_date)	@61	M

Table 12 – Application elements for 6SCML_initial (continued)

Id	V	Application Elements	Value	Req
@423	*	Release_authentication to Date (release_date)	@1324	M
@444.1	*	Design_authority	#137, #1371	M
@4442	*	Design_authority.role	#139, 'id owner', #1391, 'creator'	M
@445.1	*	Design_authority to Company (design_activity_identification)	@134.1	M
@447	*	Design_authority to Company_code (design_activity_code)	@152	M
@448	*	Design_authority to Person (person_responsible)	<not_present>	M
@450	*	Alternate_element_identification to Design_authority (design_activity)	@18	M
@454	*	Element_identification to Design_authority (design_activities)	@509.1	M
@456	*	Item_identification to Design_authority (design_activity)	@882.1	M
@444.2	*	Design_authority	#138, #1371	M
@4442	*	Design_authority.role	#139, 'id owner', #1391, 'creator'	M
@445.2	*	Design_authority to Company (design_activity_identification)	@134.2	M
@446	*	Design_authority to Company_code (design_activity_code)	<not_present>	M
@454	*	Element_identification to Design_authority (design_activities)	@509.9	M
@457	*	Item_identification to Design_authority (design_activity)	@882.2, @882.3, @882.4, @882.5	M
@503.1	*	Element_identification	#160, #178, #172, 'document'	M
@504.1	*	Element_identification.identifying_number	#178, '616SCPPAM100,362,YA900'	S
@506	*	Element_identification.title	#178, 'DESCRIPTION FIELD FOR SUPPLIER CUSTOM PART'	S

Table 12 – Application elements for 6SCML_initial (continued)

Id	V	Application Elements	Value	Req
@5062	*	Element_identification to Alternate_element_identification (alternate_identifications)	@12, #159, 'alternate element identification'	M
@508.1	*	Element_identification to Change_identification (change_status)	@84.1	M
@509.1	*	Element_identification to Design_authority (design_activities)	@444.1	M
@511	*	Element_identification to Element_type (element_classifications)	@550.1	M
@513	*	Element_identification to Other_reference_document (outstanding_changes)	<not_present>	M
@526	*	Header_configuration_with_element_identification to Element_identification (identification)	@723	M
@503.9	*	Element_identification	#156, #186, #172, 'document'	M
@504.9	*	Element_identification.identifying_number	#186, 'EDS-1057_SCML'	S
@505	*	Element_identification.title	<not_present>	M
@5061	*	Element_identification to Alternate_element_identification (alternate_identifications)	<not_present>	M
@508.9	*	Element_identification to Change_identification (change_status)	@84.9	M
@509.9	*	Element_identification to Design_authority (design_activities)	@444.2	M
@510	*	Element_identification to Element_type (element_classifications)	<not_present>	M
@536	*	Notation to Element_identification (referenced_document_in_note)	@1045	M
@550.1	*	Element_type	#174	M
@551.1	*	Element_type.element_code	#174, 'Supplier Custom Module List'	S
@553	*	Element_type.type_of_coding_scheme	#174, 'Distribution Product'	S
@554	*	Element_type to Company (code_administrator)	<not_present>	M

Table 12 – Application elements for 6SCML_initial (continued)

Id	V	Application Elements	Value	Req
@558	*	Element_identification to Element_type (element_classifications)	@511	M
@550.2	*	Element_type	#175	M
@551.2	*	Element_type.element_code	#175, 'SCML IDENTIFIER'	S
@552	*	Element_type.type_of_coding_scheme	<not_present>	M
@556	*	Alternate_element_identification to Element_type (element_classifications)	@22	M
@688	*	Header	#53	M
@689	*	Header.document_abstract	<not_present>	M
@691	*	Header.document_keywords	<not_present>	M
@694	*	Header.languages	<not_present>	M
@697	*	Header.sheet_count	<not_present>	M
@699	*	Header to Header_configuration_with_element_identification (header_configuration)	@721	M
@700	*	Header to Size_characteristics_full_size (size_of_sheet)	<not_present>	M
@704	*	Indentured_data_list_header to Header (common_header)	@781	M
@721	*	Header_configuration_with_element_identification	#53	M
@722	*	Header_configuration_with_element_identification to Configuration (data_configuration)	@164	M
@723	*	Header_configuration_with_element_identification to Element_identification (identification)	@503.1	M
@726	*	Header to Header_configuration_with_element_identification (header_configuration)	@699	M
@1591	*	Tdp_element (as Associated_list)	#160, #178, #172, 'document', #169, #173, 'indentured data list'	M
@69	*	Associated_list (as Document_list)	#160, #178, #173, 'indentured data list'	M

Table 12 – Application elements for 6SCML_initial (continued)

Id	V	Application Elements	Value	Req
@72	*	Associated_list to List_presentation (presentation)	<not_present>	M
@74	*	Associated_list to drawing_or_product_data_set (related_to)	<not_present>	M
@469	*	Document_list (as Indentured_data_list)	#160	M
@737	*	Indentured_data_list	#160, #178, #172, 'document', #169, #173, 'indentured data list'	M
@738	*	Indentured_data_list to Indentured_data_list_body (body)	@740	M
@739	*	Indentured_data_list to Indentured_data_list_header (header)	@780	M
@740	*	Indentured_data_list_body	#142, 'indentured data list content'	M
@741	*	Indentured_data_list_body to Indentured_data_list_tabulation (indentured_tabulation)	@788, #153, 'equivalence', #155, #157, 'configuration controlled document definition', #75, #63, #86, 'indentured by item'	M
@744	*	Indentured_data_list_body to Notation (notes_list)	#54, 'indentured data list body property', @1032.1, @1032.2, @1032.9	M
@745	*	Indentured_data_list_body to Revision (revision_history)	<not_present>	M
@748	*	Indentured_data_list_body to Element_identification (standardization_documents_list)	<not_present>	M
@751	*	Indentured_data_list to Indentured_data_list_body (body)	@738	M
@752.1	*	Indentured_data_list_entry	#146, #21, #152, 'indentured data list entry'	M
@753	*	Indentured_data_list_entry.entry_item_change_level	<not_present>	M
@756.1	*	Indentured_data_list_entry.indenture_level	#58, 'indentured data list entry property', #28, #32, 'indentured level tag', #34, '1'	C4
@757	*	Indentured_data_list_entry to source_identification (available from)	<not_present>	M

Table 12 – Application elements for 6SCML_initial (continued)

Id	V	Application Elements	Value	Req
		(available_from)		
@763.1	*	Indentured_data_list_entry to Effectivity (effective_on)	@492.1	M
@764.1	*	Indentured_data_list_entry to Item_parent_to_item_child_relationship (entry)	@931.1	M
@768	*	Indentured_data_list_entry to Configuration (entry_configuration)	<not_present>	M
@770	*	Indentured_data_list_entry to Notation (entry_notes)	<not_present>	M
@772.1	*	Indentured_data_list_entry to Retrofit_usage (retrofit)	<not_present>	M
@773	*	Indentured_data_list_entry to Special_conditions (special_conditions)	<not_present>	M
@776	*	Indentured_data_list_entry to Element_identification (superseded_entry)	<not_present>	M
@778.1	*	Indentured_data_list_tabulation to Indentured_data_list_entry (tabulation_of_entries)	@793	M
@752.2	*	Indentured_data_list_entry	#145, #20, #152, 'indentured data list entry'	M
@756.2	*	Indentured_data_list_entry.indenture_level	#57, 'indentured data list entry property', #27, #32, 'indentured level tag', #34, '1'	C4
@763.2	*	Indentured_data_list_entry to Effectivity (effective_on)	@492.2	M
@764.2	*	Indentured_data_list_entry to Item_parent_to_item_child_relationship (entry)	@931.2	M
@778.2	*	Indentured_data_list_tabulation to Indentured_data_list_entry (tabulation_of_entries)	@793	M
@752.3	*	Indentured_data_list_entry	#143, #18, #152, 'indentured data list entry'	M
@756.3	*	Indentured_data_list_entry.indenture_level	#55, 'indentured data list entry property', #25, #32, 'indentured level tag', #34, '1'	C4
@763.3	*	Indentured_data_list_entry to Effectivity (effective_on)	@492.3	M

Table 12 – Application elements for 6SCML_initial (continued)

Id	V	Application Elements	Value	Req
@764.3	*	Indentured_data_list_entry to Item_parent_to_item_child_relationship (entry)	@931.3	M
@778.3	*	Indentured_data_list_tabulation to Indentured_data_list_entry (tabulation_of_entries)	@793	M
@752.4	*	Indentured_data_list_entry	#144, #19, #152, 'indentured data list entry'	M
@756.4	*	Indentured_data_list_entry.indenture_level	#56, 'indentured data list entry property', #26, #321, 'indentured level tag', #341, '2'	C5
@763.4	*	Indentured_data_list_entry to Effectivity (effective_on)	@492.4	M
@764.4	*	Indentured_data_list_entry to Item_parent_to_item_child_relationship (entry)	@931.4	M
@778.4	*	Indentured_data_list_tabulation to Indentured_data_list_entry (tabulation_of_entries)	@793	M
@780	*	Indentured_data_list_header	#53, 'indentured data list header'	M
@781	*	Indentured_data_list_header to Header (common_header)	@688	M
@782	*	Indentured_data_list_header to identification_select (procurement_references)	<not_present>	M
@787	*	Indentured_data_list to Indentured_data_list_header (header)	@739	M
@788	*	Indentured_data_list_tabulation	#75, #63, #86, 'indentured by item'	M
@790	*	Indentured_data_list_tabulation to Indentured_list_by_part (method_of_entry_tabulation)	@800	M
@793	*	Indentured_data_list_tabulation to Indentured_data_list_entry (tabulation_of_entries)	@752.1, @752.2, @752.3, @752.4	M
@794	*	Indentured_data_list_body to Indentured_data_list_tabulation (indentured_tabulation)	@741	M
@800	*	Indentured_list_by_part	#75, #63, #86, 'indentured by item'	M

Table 12 – Application elements for 6SCML_initial (continued)

Id	V	Application Elements	Value	Req
@801	*	Indentured_list_by_part to Tdp_indentured_item (tdp_indentured_items)	@1620	M
@803	*	Indentured_data_list_tabulation to Indentured_list_by_part (method_of_entry_tabulation)	@790	M
@837.1	*	Item	#146	M
@839.1	*	Item.item_contexts	#164, #184, #188, 'Production'	S
@841	*	Item to Alternate_item (alternates)	<not_present>	M
@844	*	Item to Reference_document_usage (conditions_defined_through_constrained_document)	<not_present>	M
@847	*	Item to Reference_document (conditions_defined_through_simple_reference)	<not_present>	M
@850.1	*	Item to Item_identification (identification)	@869.2	M
@851	*	Item to Configuration (item_configuration)	<not_present>	M
@853	*	Item to Weight (item_weight)	<not_present>	M
@855	*	Item to Notation (notes)	<not_present>	M
@858	*	Item to Special_condition (special_conditions)	<not_present>	M
@837.2	*	Item	#145	M
@839.2	*	Item.item_contexts	#163, #183, #189, 'Developmental'	S
@850.2	*	Item to Item_identification (identification)	@869.3	M
@837.3	*	Item	#143	M
@839.3	*	Item.item_contexts	#161, #181, #188, 'Production'	S
@850.3	*	Item to Item_identification (identification)	@869.4	M
@837.4	*	Item	#144	M
@839.4	*	Item.item_contexts	#162, #182, #188, 'Production'	S
@850.4	*	Item to Item_identification (identification)	@869.5	M
@869.1	*	Item_identification	#167	M
@870.1	*	Item_identification.identifying_number	#180, '616SCPPAM100'	S

Table 12 – Application elements for 6SCML_initial (continued)

Id	V	Application Elements	Value	Req
@872	*	Item_identification.nomenclature_or_name	<not_present>	M
@874	*	Item_identification to Alternate_identification_of_item (alternate_identifications)	<not_present>	M
@877	*	Item_identification to Change_identification (change)	<not_present>	M
@880.1	*	Item_identification to Item_type (classifications)	@945.1	M
@882.1	*	Item_identification to Design_authority (design_activity)	@444.1	M
@883	*	Item_identification to Source_information_type (source_information)	<not_present>	M
@901	*	Item_parent_to_item_child_relationship to Item_identification (parent)	@933.1, @933.2, @933.3	M
@908	*	Tdp_indentured_item to Item_identification (tdp_indenture)	@1621	M
@869.2	*	Item_identification	#164	M
@870.2	*	Item_identification.identifying_number	#184, '616MODPAM100'	S
@873.2	*	Item_identification.nomenclature_or_name	#184, 'TITLE FIELD FOR MODULE'	S
@878.2	*	Item_identification to Change_identification (change)	@84.2	M
@880.2	*	Item_identification to Item_type (classifications)	@945.2	M
@882.2	*	Item_identification to Design_authority (design_activity)	@444.2	M
@889	*	Item_parent_to_item_child_relationship to Item_identification (child)	@932.1	M
@896	*	Item to Item_identification (identification)	@850.1	M
@869.3	*	Item_identification	#163	M
@870.3	*	Item_identification.identifying_number	#183, '616MODPAM200'	S
@873.3	*	Item_identification.nomenclature_or_name	#183, 'TITLE FIELD FOR MODULE'	S
@878.3	*	Item_identification to Change_identification (change)	@84.3	M

Table 12 – Application elements for 6SCML_initial (continued)

Id	V	Application Elements	Value	Req
@880.3	*	Item_identification to Item_type (classifications)	@945.2	M
@882.3	*	Item_identification to Design_authority (design_activity)	@444.2	M
@889		Item_parent_to_item_child_relationship to Item_identification (child)	@932.2	M
@896		Item to Item_identification (identification)	@850.2	M
@869.4	*	Item_identification	#161	M
@870.4	*	Item_identification.identifying_number	#181, '616MODPAM900'	S
@873.4	*	Item_identification.nomenclature_or_name	#181, 'TITLE FIELD FOR MODULE'	S
@878.4	*	Item_identification to Change_identification (change)	@84.2	M
@880.4	*	Item_identification to Item_type (classifications)	@945.2	M
@882.4	*	Item_identification to Design_authority (design_activity)	@444.2	M
@889		Item_parent_to_item_child_relationship to Item_identification (child)	@932.3	M
@896		Item to Item_identification (identification)	@850.3	M
@900	*	Item_parent_to_item_child_relationship to Item_identification (parent)	@933.4	M
@869.5	*	Item_identification	#162	M
@870.5	*	Item_identification.identifying_number	#182, '616EMODPAM100'	S
@873.5	*	Item_identification.nomenclature_or_name	#182, 'TITLE FIELD FOR EXCEPTION MODULE'	S
@878.5	*	Item_identification to Change_identification (change)	@84.4, #121, #65, #84, 'change identification'	M
@880.5	*	Item_identification to Item_type (classifications)	@945.3	M
@882.5	*	Item_identification to Design_authority (design_activity)	@444.2	M
@889		Item_parent_to_item_child_relationship to Item_identification (child)	@932.4	M
@896		Item to Item_identification (identification)	@850.4	M

Table 12 – Application elements for 6SCML_initial (continued)

Id	V	Application Elements	Value	Req
@931.1	*	Item_parent_to_item_child_relationship	#73	M
@932.1	*	Item_parent_to_item_child_relationship to Item_identification (child)	@869.2	M
@933.1	*	Item_parent_to_item_child_relationship to Item_identification (parent)	@869.1	M
@934	*	Indentured_data_list_entry to Item_parent_to_item_child_relationship (entry)	@764.1	M
@931.2	*	Item_parent_to_item_child_relationship	#72	M
@932.2	*	Item_parent_to_item_child_relationship to Item_identification (child)	@869.3	M
@933.2	*	Item_parent_to_item_child_relationship to Item_identification (parent)	@869.1	M
@934	*	Indentured_data_list_entry to Item_parent_to_item_child_relationship (entry)	@764.2	M
@931.3	*	Item_parent_to_item_child_relationship	#70	M
@932.3	*	Item_parent_to_item_child_relationship to Item_identification (child)	@869.4	M
@933.3	*	Item_parent_to_item_child_relationship to Item_identification (parent)	@869.1	M
@934	*	Indentured_data_list_entry to Item_parent_to_item_child_relationship (entry)	@764.3	M
@931.4	*	Item_parent_to_item_child_relationship	#71	M
@932.4	*	Item_parent_to_item_child_relationship to Item_identification (child)	@869.5	M
@933.4	*	Item_parent_to_item_child_relationship to Item_identification (parent)	@869.4	M
@934	*	Indentured_data_list_entry to Item_parent_to_item_child_relationship (entry)	@764.4	M
@945.1	*	Item_type	#176	M
@946.1	*	Item_type.item_code	#176, 'supplier custom part'	S
@947	*	Item_type.type_of_coding_scheme	<not_present>	M
@949	*	Item_type to Company (code_administrator)	<not_present>	M

Table 12 – Application elements for 6SCML_initial (continued)

Id	V	Application Elements	Value	Req
@951	*	Item_identification to Item_type (classifications)	@880.1	M
@945.2	*	Item_type	#177	M
@946.2	*	Item_type.item_code	#177, 'module'	S
@952	*	Item_identification to Item_type (classifications)	@880.2, @880.3, @880.4	M
@945.3	*	Item_type	#1771	M
@946.3	*	Item_type.item_code	#1771, 'exception module'	S
@951		Item_identification to Item_type (classifications)	@880.5	M
@1032.1	*	Notation	#331, #31, 'notation'	M
@1033.1	*	Notation.note	#331, 'TEXT FIELD FOR INSPECTION REQUIREMENTS SPECIFICATION'	S
@1034	*	Notation.note_parameter	<not_present>	M
@1038.1	*	Notation.note_title	#331, 'INSPECTION REQUIREMENTS SPECIFICATION'	S
@1039	*	Notation.reference_code	<not_present>	M
@1041	*	Notation.type_of_notation	<not_present>	M
@1044	*	Notation to Element_identification (referenced_document_in_note)	<not_present>	M
@1071	*	Indentured_data_list_body to Notation (notes_list)	@744	M
@1032.2	*	Notation	#332, #31, 'notation'	M
@1033.2	*	Notation.note	#332, 'Forecasted'	S
@1038.2	*	Notation.note_title	#332, 'AIRPLANE STATUS'	S
@1071		Indentured_data_list_body to Notation (notes_list)	@744	M
@1032.9	*	Notation	#35, #33, 'notation'	M
@1033.9	*	Notation.note	#35, 'NOTICE – THE INFORMATION CONTAINED HEREIN IS PROPRIETARY.'	S

Table 12 – Application elements for 6SCML_initial (continued)

Id	V	Application Elements	Value	Req
@1037	*	Notation.note_title	<not_present>	M
@1042	*	Notation.type_of_notation	#10, #11, 'type of notation', #12, 'STANDARD NOTES'	C6
@1045	*	Notation to Element_identification (referenced_document_in_note)	@503.9	M
@1071		Indentured_data_list_body to Notation (notes_list)	@744	M
@1205	*	Product_configuration	#46	M
@1206	*	Product_configuration.configuration_id	#46, 'YA900'	S
@1207	*	Product_configuration to Approval (approval_of_configuration)	<not_present>	M
@1210	*	Product_configuration to Product_model (product_name)	@1238	M
@1211	*	Configuration to Product_configuration (end_item_system_designation)	@171	M
@1214	*	Effectivity to Product_configuration (product)	@498.1 - @498.4	M
@1238	*	Product_model	#45	M
@1239	*	Product_model.model_name	#45, '737'	S
@1240	*	Product_configuration to Product_model (product_name)	@1210	M
@1317	*	Release_authentication	#78	M
@1318	*	Release_authentication.authentication	#77, 'PDM'	S
@1319	*	Release_authentication to Person (person_responsible)	<not_present>	M
@1321	*	Release_authentication to Company (release_authority)	@134.1, #41, #42, 'release authentication'	M
@1322	*	Release_authentication to Company_code (release_authority_code)	<not_present>	M
@1324	*	Release_authentication to Date (release_date)	@397, #83, #62, #85, 'release authentication'	M
@1325	*	Configuration to Release_authentication (release_authorizations)	@176	M

Table 12 – Application elements for 6SCML_initial (continued)

Id	V	Application Elements	Value	Req
@1360	*	Security_classification	#39	M
@1361	*	Security_classification.item_classification	#39, 'item security classification', #40, 'PROPRIETARY'	C7
@1362	*	Security_classification.title_security_classification	<not_present>	M
@1364	*	Security_classification to Date (classification_date)	<not_present>	M
@1366	*	Security_classification to Date (declassification_date)	<not_present>	M
@1368	*	Configuration to Security_classification (security_identifications)	@179	M
@492.1	*	Effectivity (as Sequence_effectivity)	#51	M
@494.1	*	Effectivity.description	#16, 'applicability'	S
@496.1	*	Effectivity to Approval (effectivity_approvals)	@59	M
@498.1	*	Effectivity to Product_configuration (product)	@1205	M
@499	*	Indentured_data_list_entry to Effectivity (effective_on)	@763.1	M
@1372.1	*	Sequence_effectivity	#51	M
@1373.1	*	Sequence_effectivity.from_effectivity_id	#51, '362'	S
@1374	*	Sequence_effectivity.quantity_unit_of_measure	<not_present>	M
@1377.1	*	Sequence_effectivity.thru_effectivity_id	#51, '362'	S
@1378	*	Sequence_effectivity to Quantity (total_component_quantity_in_product_configuration)	<not_present>	M
@492.2	*	Effectivity (as Sequence_effectivity)	#50	M
@494.2	*	Effectivity.description	#15, 'applicability'	S
@496.2	*	Effectivity to Approval (effectivity_approvals)	@59	M
@498.2	*	Effectivity to Product_configuration (product)	@1205	M
@499	*	Indentured_data_list_entry to Effectivity (effective_on)	@763.2	M
@1372.2	*	Sequence_effectivity	#50	M

Table 12 – Application elements for 6SCML_initial (continued)

Id	V	Application Elements	Value	Req
@1373.2	*	Sequence_effectivity.from_effectivity_id	#50, '362'	S
@1377.2	*	Sequence_effectivity.thru_effectivity_id	#50, '362'	S
@492.3	*	Effectivity (as Sequence_effectivity)	#48	M
@494.3	*	Effectivity.description	#13, 'applicability'	S
@496.3	*	Effectivity to Approval (effectivity_approvals)	@59	M
@498.3	*	Effectivity to Product_configuration (product)	@1205	M
@499		Indentured_data_list_entry to Effectivity (effective_on)	@763.3	M
@1372.3	*	Sequence_effectivity	#48	M
@1373.3	*	Sequence_effectivity.from_effectivity_id	#48, '362'	S
@1377.3	*	Sequence_effectivity.thru_effectivity_id	#48, '362'	S
@492.4	*	Effectivity (as Sequence_effectivity)	#49	M
@494.4	*	Effectivity.description	#14, 'applicability'	S
@496.4	*	Effectivity to Approval (effectivity_approvals)	@59	M
@498.4	*	Effectivity to Product_configuration (product)	@1205	M
@499		Indentured_data_list_entry to Effectivity (effective_on)	@763.4	M
@1372.4	*	Sequence_effectivity	#49	M
@1373.4	*	Sequence_effectivity.from_effectivity_id	#49, '362'	S
@1377.4	*	Sequence_effectivity.thru_effectivity_id	#49, '362'	S
@1480.1	*	Status	#87	M
@1481.1	*	Status.status_code	#87, 'Components Available for Order'	S
@1482	*	Status.status_code_basis	<not_present>	M
@1484		Change_identification to Status (action_status)	@106.1	M
@1480.2	*	Status	#88	M
@1481.2	*	Status.status_code	#88, 'Approved'	S
@1484		Change_identification to Status (action_status)	@106.2	M

Table 12 – Application elements for 6SCML_initial (concluded)

Id	V	Application Elements	Value	Req
@1480.3	*	Status	#90	M
@1481.3	*	Status.status_code	#90, 'Approved'	S
@1484		Change_identification to Status (action_status)	@106.3	M
@1480.4	*	Status	#89	M
@1481.4	*	Status.status_code	#89, 'Approved'	S
@1484		Change_identification to Status (action_status)	@106.4	M
@1620	*	Tdp_indentured_item	#148	M
@1621	*	Tdp_indentured_item to Item_identification (tdp_indenture)	@869.1	M
@1626	*	Indentured_list_by_part to Tdp_indentured_item (tdp_indentured_items)	@801	M

6.12.1.3 Verdict criteria

The following general verdict criteria apply: gvc1, gvc2, and gvc3.

The verdict criteria derivable from the application elements with non-blank entries in the V column of the preprocessor input specification table apply.

The following preprocessor-specific verdict criteria apply: none apply.

6.12.1.4 Constraints on values

The following constraints apply as referenced in the input specification table:

- c1: The value 'A'; is suggested; all other attribute values are mandatory.
- c2: The value '1'; is suggested; all other attribute values are mandatory.
- c3: The value 'B'; is suggested; all other attribute values are mandatory.
- c4: The value '1'; is suggested; all other attribute values are mandatory.
- c5: The value '2'; is suggested; all other attribute values are mandatory.
- c6: The value 'STANDARD NOTES'; is suggested; all other attribute values are mandatory.
- c7: The value 'PROPRIETARY'; is suggested; all other attribute values are mandatory.

ISO/TS 10303-332:2002(E)

6.12.1.5 Execution sequence

Test cases 4SMPL_initial, 4SMPL_em, 4SMPL_instl_rqmts, and 4SMPL_developmental must be completed before this test case can be performed.

6.12.2 Postprocessor

6.12.2.1 Test purpose coverage

The following general test purposes are covered: g1, g4, and g5.

The following other test purposes are covered: other2, other5, and other6.

In the preprocessor input specification table of this test case, the numbers in the Id column (ignoring the part beyond the decimal point, if any) whose rows are not empty in the V column identify the AE test purposes that are covered by this test case.

6.12.2.2 Input specification

The postprocessor input specification is provided in electronic form only. See annex C.

6.12.2.3 Verdict criteria

The following general verdict criteria apply: gvc1, gvc4, and gvc5.

The verdict criteria derivable from the application elements with non-blank entries in the V column of the preprocessor input specification table apply.

The following specific verdict criteria apply: none apply.

6.12.2.4 Execution sequence

Test cases 4SMPL_initial, 4SMPL_em, 4SMPL_instl_rqmts, and 4SMPL_developmental must be completed before this test case can be performed.

6.13 6SCML_revised

The purpose of this test case is to create an Indentured Data List of the type known as a Supplier Custom Module List (SCML) with at least two instances of each kind of information object that can comprise a SCML. In addition this SCML is at Revision B and shows net change information, in the form of Retrofit_usage objects related to Indentured_data_list_entry objects. The net change in this test case is relative to test case 6SCML_initial. The type of Indentured Data List is indentured list by item.

NOTE See Figures E.52 through E.57 and E.51 for instance diagrams of the application elements.

6.13.1 Preprocessor

6.13.1.1 Test purposes covered

In the preprocessor input specification table of this test case, the numbers in the Id column (ignoring the part beyond the decimal point, if any), whose rows are not empty in the V column identify the AE test purposes that are covered by this test case.

The following general test purposes are covered: g1, g2, and g3.

The following other test purposes are covered: other1, other10, other14, other21, and other34.

6.13.1.2 Input specification

Table 13 – Application elements for 6SCML_revised

Id	V	Application Elements	Value	Req
@12	*	Alternate_element_identification	#164, #182, #175, 'document'	M
@13	*	Alternate_element_identification.identifying_number	#182, '616SCPPAM100YA900362B'	S
@18		Alternate_element_identification to Design_authority (design_activity)	@444.1	M
@20		Alternate_element_identification to Element_type (element_classifications)	@550.2	M
@25		Element_identification to Alternate_element_identification (alternate_identifications)	@5062	M
@59		Approval	#89	M
@60		Approval.purpose_of	#90, 'release authentication'	S
@61		Approval to Date (approval_date)	@397	M
@67		Effectivity to Approval (effectivity_approvals)	@496.1 - @496.4	M
@84.1	*	Change_identification	#130, 'change identification'	M
@90.1		Change_identification.change_code	#130, 'revision'	M
@104.1	*	Change_identification.revision_level	#107, 'change identification level', #116, ('B', 'revision'), #125, #92, #100, 'change identification', #163, 'B'	C1
@106.1		Change_identification to Status (action_status)	@1480.1	M

Table 13 – Application elements for 6SCML_revised (continued)

Id	V	Application Elements	Value	Req
@119		Element_identification to Change_identification (change_status)	@508.1	M
@84.2	*	Change_identification	#131, 'change identification'	M
@91.2	*	Change_identification.change_code	#131, 'revision with change'	M
@95.2	*	Change_identification.change_level	#109, 'change identification level', #118, ('1', 'change')	C2
@104.2	*	Change_identification.revision_level	#108, 'change identification level', #117, ('A', 'revision'), #126, #96, #100, 'change identification', #166, 'A'	C3
@106.2	*	Change_identification to Status (action_status)	@1480.2	M
@123	*	Item_identification to Change_identification (change_status)	@878.2	M
@84.3	*	Change_identification	#133, 'change identification'	M
@91.3	*	Change_identification.change_code	#133, 'revision with change'	M
@95.3	*	Change_identification.change_level	#114, 'change identification level', #123, ('1', 'change')	C2
@104.3	*	Change_identification.revision_level	#113, 'change identification level', #122, ('B', 'revision'), #128, #98, #100, 'change identification', #168, 'B'	C1
@106.3	*	Change_identification to Status (action_status)	@1480.3	M
@123		Item_identification to Change_identification (change_status)	@878.3	M
@84.4	*	Change_identification	#132, 'change identification'	M
@91.4	*	Change_identification.change_code	#132, 'revision with change'	M
@95.4	*	Change_identification.change_level	#111, 'change identification level', #120, ('1', 'change')	C2
@97.4	*	Change_identification.issue_level	#112, 'change identification level', #121, ('1', 'sequence')	C2
@104.4	*	Change_identification.revision_level	#110, 'change identification level', #119, ('A', 'revision'), #127, #97, #100, 'change identification', #167, 'A'	C3

Table 13 – Application elements for 6SCML_revised (continued)

Id	V	Application Elements	Value	Req
@106.4	*	Change_identification to Status (action_status)	@1480.4	M
@123		Item_identification to Change_identification (change_status)	@878.4	M
@84.5	*	Change_identification	#222, 'change identification'	M
@91.5	*	Change_identification.change_code	#222, 'revision with change'	M
@95.5	*	Change_identification.change_level	#225, 'change identification level', #227, ('1', 'change')	C2
@104.5	*	Change_identification.revision_level	#224, 'change identification level', #226, ('A', 'revision'), #221, #228, #100, 'change identification', #209, 'A'	C3
@106.5	*	Change_identification to Status (action_status)	@1480.5	M
@119		Element_identification to Change_identification (change_status)	@508.2	M
@84.9		Change_identification	#134, 'change identification'	M
@90.9		Change_identification.change_code	#134, 'revision'	M
@104.9		Change_identification.revision_level	#115, 'change identification level', #124, ('B', 'revision'), #129, #99, #100, 'change identification', #171, 'B'	C1
@119		Element_identification to Change_identification (change_status)	@508.9	M
@134.1		Company	#142	M
@136		Company.address	#136, 'Headquarters, Drizzle, WA 99999'	S
@137.1		Company.name	#142, 'The Errorspace Company'	S
@144.1		Design_authority to Company (design_activity_identification)	@445.1	M
@148		Release_authentication to Company (release_authority)	@1321	M
@134.2		Company	#143	M

Table 13 – Application elements for 6SCML_revised (continued)

Id	V	Application Elements	Value	Req
@137.2		Company.name	#143, 'The Errorspace Company'	S
@144.2		Design_authority to Company (design_activity_identification)	@445.2	M
@152		Company_code	#142	M
@153		Company_code.code	#137, '99999'	S
@155		Company_code.type_of_code	#138, ('alias id', 'CAGE')	M
@158		Design_authority to Company_code (design_activity_code)	@447	M
@164		Configuration	#72	M
@171		Configuration to Product_configuration (end_item_system_designation)	@1205	M
@176		Configuration to Release_authentication (release_authorizations)	@1317, #89, #94, #101, 'release authentication'	M
@179		Configuration to Security_classification (security_identifications)	@1360	M
@181		Header_configuration_with_element_identification to Configuration (data_configuration)	@722	M
@397		Date	#86	M
@399		Date.day	#86, 15	S
@401		Date.month	#86, 9	S
@404		Date.year	#86, 2000	S
@407		Approval to Date (approval_date)	@61	M
@423		Release_authentication to Date (release_date)	@1324	M
@444.1		Design_authority	#139, #1391	M
@4442		Design_authority.role	#141, 'id owner', #1411, 'creator'	M
@445.1		Design_authority to Company (design_activity_identification)	@134.1	M
@447		Design_authority to Company_code (design_activity_code)	@152	M

Table 13 – Application elements for 6SCML_revised (continued)

Id	V	Application Elements	Value	Req
@454		Element_identification to Design_authority (design_activities)	@509.1	M
@450		Alternate_element_identification to Design_authority (design_activity)	@18	M
@456		Item_identification to Design_authority (design_activity)	@882.1	M
@444.2		Design_authority	#140, #1401	M
@4442		Design_authority.role	#141, 'id owner', #1411, 'creator'	M
@445.2		Design_authority to Company (design_activity_identification)	@134.2	M
@455		Element_identification to Design_authority (design_activities)	@509.2, @509.9	M
@457		Item_identification to Design_authority (design_activity)	@882.2 - @882.6	M
@503.1	*	Element_identification	#163, #181, #175, 'document'	M
@504.1	*	Element_identification.identifying_number	#181, '616SCPPAM100,362,YA900'	S
@506.1		Element_identification.title	#181, 'DESCRIPTION FIELD FOR SUPPLIER CUSTOM PART'	S
@5062		Element_identification to Alternate_element_identification (alternate_identifications)	@12, #162, 'alternate element identification'	M
@508.1		Element_identification to Change_identification (change_status)	@84.1	M
@509.1		Element_identification to Design_authority (design_activities)	@444.1	M
@511		Element_identification to Element_type (element_classifications)	@550.1	M
@526		Header_configuration_with_element_identification to Element_identification (identification)	@723	M
@503.2	*	Element_identification	#209, #220, #175, 'document'	M
@504.2	*	Element_identification.identifying_number	#220, '616MODPAM900'	S

Table 13 – Application elements for 6SCML_revised (continued)

Id	V	Application Elements	Value	Req
@506.2		Element_identification.title	#220, 'TITLE FIELD FOR MODULE'	S
@508.2		Element_identification to Change_identification (change_status)	@84.5	M
@509.2		Element_identification to Design_authority (design_activities)	@444.2	M
@544		Indentured_data_list_entry to Element_identification (superseded_entry)	@777	M
@503.9		Element_identification	#171, #189, #175, 'document'	M
@504.9		Element_identification.identifying_number	#189, 'EDS-1057_SCML'	S
@508.9		Element_identification to Change_identification (change_status)	@84.9	M
@509.9		Element_identification to Design_authority (design_activities)	@444.2	M
@536		Notation to Element_identification (referenced_document_in_note)	@1045	M
@550.1		Element_type	#177	M
@551.1		Element_type.element_code	#177, 'Supplier Custom Module List'	S
@553		Element_type.type_of_coding_scheme	#177, 'Distribution Product'	S
@558		Element_identification to Element_type (element_classifications)	@511	M
@550.2		Element_type	#178	M
@551.2		Element_type.element_code	#178, 'SCML IDENTIFIER'	S
@556		Alternate_element_identification to Element_type (element_classifications)	@22	M
@688		Header	#72	M
@699		Header to Header_configuration_with_element_identification (header_configuration)	@721	M
@704		Indentured_data_list_header to Header (common_header)	@781	M

Table 13 – Application elements for 6SCML_revised (continued)

Id	V	Application Elements	Value	Req
@721		Header_configuration_with_element_identification	#72	M
@722		Header_configuration_with_element_identification to Configuration (data_configuration)	@164	M
@723		Header_configuration_with_element_identification to Element_identification (identification)	@503.1	M
@726		Header to Header_configuration_with_element_identification (header_configuration)	@699	M
@1591		Tdp_element (as Associated_list)	#163, #181, #175, 'document', #172, #176, 'indentured data list'	M
@69		Associated_list (as Document_list)	#163, #181, #176, 'indentured data list'	M
@469		Document_list (as Indentured_data_list)	#163	M
@737	*	Indentured_data_list	#163, #181, #175, 'document', #172, #176, 'indentured data list'	M
@738		Indentured_data_list to Indentured_data_list_body (body)	@740	M
@739		Indentured_data_list to Indentured_data_list_header (header)	@780	M
@740	*	Indentured_data_list_body	#150, 'indentured data list content'	M
@741		Indentured_data_list_body to Indentured_data_list_tabulation (indentured_tabulation)	@788, #144, 'equivalence', #146, #148, 'configuration controlled document definition', #64, #95, #102, 'indentured by item'	M
@744		Indentured_data_list_body to Notation (notes_list)	#79, 'indentured data list body property', @1032.1 - @1032.3, @1032.9	M
@751		Indentured_data_list to Indentured_data_list_body (body)	@738	M
@752.1	*	Indentured_data_list_entry	#152, #68, #160, 'indentured data list entry'	M

Table 13 – Application elements for 6SCML_revised (continued)

Id	V	Application Elements	Value	Req
@753	*	Indentured_data_list_entry.entry_item_change_level	<not_present>	M
@756.1	*	Indentured_data_list_entry.indenture_level	#73, 'indentured data list entry property', #39, #48, 'indentured level tag', #37, '1'	C4
@763.1	*	Indentured_data_list_entry to Effectivity (effective_on)	@492.1	M
@764.1	*	Indentured_data_list_entry to Item_parent_to_item_child_relationship (entry)	@931.1	M
@778	*	Indentured_data_list_tabulation to Indentured_data_list_entry (tabulation_of_entries)	@793	M
@752.2	*	Indentured_data_list_entry	#154, #60, #160, 'indentured data list entry'	M
@756.2	*	Indentured_data_list_entry.indenture_level	#76, 'indentured data list entry property', #43, #48, 'indentured level tag', #37, '1'	C4
@763.2	*	Indentured_data_list_entry to Effectivity (effective_on)	@492.2	M
@764.2	*	Indentured_data_list_entry to Item_parent_to_item_child_relationship (entry)	@931.2	M
@778		Indentured_data_list_tabulation to Indentured_data_list_entry (tabulation_of_entries)	@793	M
@752.3	*	Indentured_data_list_entry	#153, #59, #160, 'indentured data list entry'	M
@756.3	*	Indentured_data_list_entry.indenture_level	#75, 'indentured data list entry property', #41, #48, 'indentured level tag', #37, '1'	C4
@763.3	*	Indentured_data_list_entry to Effectivity (effective_on)	@492.3	M
@764.3	*	Indentured_data_list_entry to Item_parent_to_item_child_relationship (entry)	@931.3	M
@778		Indentured_data_list_tabulation to Indentured_data_list_entry (tabulation_of_entries)	@793	M
@752.4	*	Indentured_data_list_entry	#155, #61, #160, 'indentured data list entry'	M

Table 13 – Application elements for 6SCML_revised (continued)

Id	V	Application Elements	Value	Req
@755	*	Indentured_data_list_entry.indenture_level	<not_present>	M
@762	*	Indentured_data_list_entry to Effectivity (effective_on)	<not_present>	M
@764.4	*	Indentured_data_list_entry to Item_parent_to_item_child_relationship (entry)	@931.4	M
@7722.4	*	Indentured_data_list_entry to Retrofit_usage (retrofit)	@1327.1	M
@778		Indentured_data_list_tabulation to Indentured_data_list_entry (tabulation_of_entries)	@793	M
@752.5	*	Indentured_data_list_entry	#156, #62, #160, 'indentured data list entry'	M
@764.5	*	Indentured_data_list_entry to Item_parent_to_item_child_relationship (entry)	@931.5	M
@7722.5	*	Indentured_data_list_entry to Retrofit_usage (retrofit)	@1327.1	M
@778		Indentured_data_list_tabulation to Indentured_data_list_entry (tabulation_of_entries)	@793	M
@752.6	*	Indentured_data_list_entry	#206, #207, #160, 'indentured data list entry'	M
@764.6	*	Indentured_data_list_entry to Item_parent_to_item_child_relationship (entry)	@931.6	M
@7722.6	*	Indentured_data_list_entry to Retrofit_usage (retrofit)	@1327.2	M
@777	*	Indentured_data_list_entry to Element_identification (superseded_entry)	@503.2	M
@778		Indentured_data_list_tabulation to Indentured_data_list_entry (tabulation_of_entries)	@793	M
@752.7	*	Indentured_data_list_entry	#204, #205, #160, 'indentured data list entry'	M
@764.7	*	Indentured_data_list_entry to Item_parent_to_item_child_relationship (entry)	@931.7	M
@7722.7	*	Indentured_data_list_entry to Retrofit_usage (retrofit)	@1327.3	M

Table 13 – Application elements for 6SCML_revised (continued)

Id	V	Application Elements	Value	Req
@778		Indentured_data_list_tabulation to Indentured_data_list_entry (tabulation_of_entries)	@793	M
@780	*	Indentured_data_list_header	#72, 'indentured data list header'	M
@781		Indentured_data_list_header to Header (common_header)	@688	M
@787		Indentured_data_list to Indentured_data_list_header (header)	@739	M
@788		Indentured_data_list_tabulation	#64, #95, #102, 'indentured by item'	M
@790		Indentured_data_list_tabulation to Indentured_list_by_part (method_of_entry_tabulation)	@800	M
@793		Indentured_data_list_tabulation to Indentured_data_list_entry (tabulation_of_entries)	@752.1 - @752.7	M
@794		Indentured_data_list_body to Indentured_data_list_tabulation (indentured_tabulation)	@741	M
@800	*	Indentured_list_by_part	#64, #95, #102, 'indentured by item'	M
@802	*	Indentured_list_by_part to Tdp_indentured_item (tdp_indentured_items)	@1620.1 - @1620.2	M
@803		Indentured_data_list_tabulation to Indentured_list_by_part (method_of_entry_tabulation)	@790	M
@837.1	*	Item	#152	M
@839.1	*	Item.item_contexts	#166, #184, #191, 'Production'	S
@850.1	*	Item to Item_identification (identification)	@869.2	M
@837.2	*	Item	#154	M
@839.2	*	Item.item_contexts	#168, #186, #191, 'Production'	S
@850.2	*	Item to Item_identification (identification)	@869.3	M
@837.3	*	Item	#153	M
@839.3	*	Item.item_contexts	#167, #185, #191, 'Production'	S

Table 13 – Application elements for 6SCML_revised (continued)

Id	V	Application Elements	Value	Req
@850.3	*	Item to Item_identification (identification)	@869.4	M
@869.1	*	Item_identification	#165	M
@870.1	*	Item_identification.identifying_number	#183, '616SCPPAM100'	S
@880.1	*	Item_identification to Item_type (classifications)	@945.1	M
@882.1	*	Item_identification to Design_authority (design_activity)	@444.1	M
@901	*	Item_parent_to_item_child_relationship to Item_identification (parent)	@933.1, @933.2, @933.3, @933.5 - @933.7	M
@909	*	Tdp_indentured_item to Item_identification (tdp_indenture)	@1621.1, @1621.2	M
@869.2	*	Item_identification	#166	M
@870.2	*	Item_identification.identifying_number	#184, '616MODPAM100'	S
@873.2	*	Item_identification.nomenclature_or_name	#184, 'TITLE FIELD FOR MODULE'	S
@878.2	*	Item_identification to Change_identification (change)	@84.2	M
@880.2	*	Item_identification to Item_type (classifications)	@945.2	M
@882.2	*	Item_identification to Design_authority (design_activity)	@444.2	M
@889	*	Item_parent_to_item_child_relationship to Item_identification (child)	@932.1	M
@896	*	Item to Item_identification (identification)	@850.1	M
@869.3	*	Item_identification	#168	M
@870.3	*	Item_identification.identifying_number	#186, '616MODPAM900'	S
@873.3	*	Item_identification.nomenclature_or_name	#186, 'REVISED TITLE FIELD FOR MODULE'	S
@878.3	*	Item_identification to Change_identification (change)	@84.3	M
@880.3	*	Item_identification to Item_type (classifications)	@945.2	M
@882.3	*	Item_identification to Design_authority (design_activity)	@444.2	M

Table 13 – Application elements for 6SCML_revised (continued)

Id	V	Application Elements	Value	Req
@890	*	Item_parent_to_item_child_relationship to Item_identification (child)	@932.2, @932.6	M
@896		Item to Item_identification (identification)	@850.2	M
@900	*	Item_parent_to_item_child_relationship to Item_identification (parent)	@933.4	M
@869.4	*	Item_identification	#167	M
@870.4	*	Item_identification.identifying_number	#185, '616MODPAM300'	S
@873.4	*	Item_identification.nomenclature_or_name	#185, 'TITLE FIELD FOR MODULE'	S
@878.4	*	Item_identification to Change_identification (change)	@84.4	M
@880.4	*	Item_identification to Item_type (classifications)	@945.2	M
@882.4	*	Item_identification to Design_authority (design_activity)	@444.2	M
@890		Item_parent_to_item_child_relationship to Item_identification (child)	@932.3, @932.7	M
@896		Item to Item_identification (identification)	@850.3	M
@869.5	*	Item_identification	#169	M
@870.5	*	Item_identification.identifying_number	#187, '616EMODPAM900'	S
@880.5	*	Item_identification to Item_type (classifications)	@945.3	M
@882.5	*	Item_identification to Design_authority (design_activity)	@444.2	M
@889		Item_parent_to_item_child_relationship to Item_identification (child)	@932.4	M
@869.6	*	Item_identification	#170	M
@870.6	*	Item_identification.identifying_number	#188, '616MODPAM200'	S
@880.6	*	Item_identification to Item_type (classifications)	@945.2	M
@882.6	*	Item_identification to Design_authority (design_activity)	@444.2	M
@889		Item_parent_to_item_child_relationship to Item_identification (child)	@932.5	M

Table 13 – Application elements for 6SCML_revised (continued)

Id	V	Application Elements	Value	Req
@931.1	*	Item_parent_to_item_child_relationship	#55	M
@932.1	*	Item_parent_to_item_child_relationship to Item_identification (child)	@869.2	M
@933.1	*	Item_parent_to_item_child_relationship to Item_identification (parent)	@869.1	M
@934	*	Indentured_data_list_entry to Item_parent_to_item_child_relationship (entry)	@764.1	M
@931.2	*	Item_parent_to_item_child_relationship	#57	M
@932.2	*	Item_parent_to_item_child_relationship to Item_identification (child)	@869.3	M
@933.2	*	Item_parent_to_item_child_relationship to Item_identification (parent)	@869.1	M
@934	*	Indentured_data_list_entry to Item_parent_to_item_child_relationship (entry)	@764.2	M
@931.3	*	Item_parent_to_item_child_relationship	#56	M
@932.3	*	Item_parent_to_item_child_relationship to Item_identification (child)	@869.4	M
@933.3	*	Item_parent_to_item_child_relationship to Item_identification (parent)	@869.1	M
@934	*	Indentured_data_list_entry to Item_parent_to_item_child_relationship (entry)	@764.3	M
@931.4	*	Item_parent_to_item_child_relationship	#216	M
@932.4	*	Item_parent_to_item_child_relationship to Item_identification (child)	@869.5	M
@933.4	*	Item_parent_to_item_child_relationship to Item_identification (parent)	@869.3	M
@934	*	Indentured_data_list_entry to Item_parent_to_item_child_relationship (entry)	@764.4	M
@931.5	*	Item_parent_to_item_child_relationship	#219	M
@932.5	*	Item_parent_to_item_child_relationship to Item_identification (child)	@869.6	M
@933.5	*	Item_parent_to_item_child_relationship to Item_identification (parent)	@869.1	M

Table 13 – Application elements for 6SCML_revised (continued)

Id	V	Application Elements	Value	Req
@934		Indentured_data_list_entry to Item_parent_to_item_child_relationship (entry)	@764.5	M
@931.6	*	Item_parent_to_item_child_relationship	#213	M
@932.6	*	Item_parent_to_item_child_relationship to Item_identification (child)	@869.3	M
@933.6	*	Item_parent_to_item_child_relationship to Item_identification (parent)	@869.1	M
@934		Indentured_data_list_entry to Item_parent_to_item_child_relationship (entry)	@764.6	M
@931.7	*	Item_parent_to_item_child_relationship	#210	M
@932.7	*	Item_parent_to_item_child_relationship to Item_identification (child)	@869.4	M
@933.7	*	Item_parent_to_item_child_relationship to Item_identification (parent)	@869.1	M
@934		Indentured_data_list_entry to Item_parent_to_item_child_relationship (entry)	@764.7	M
@945.1		Item_type	#179	M
@946.1		Item_type.item_code	#179, 'supplier custom part'	S
@951		Item_identification to Item_type (classifications)	@880.1	M
@945.2		Item_type	#180	M
@946.2		Item_type.item_code	#180, 'module'	S
@952		Item_identification to Item_type (classifications)	@880.2 - @880.4, @880.6	M
@945.3		Item_type	#1801	M
@946.3		Item_type.item_code	#1801, 'exception module'	S
@951		Item_identification to Item_type (classifications)	@880.5	M
@1032.1	*	Notation	#35, #47, 'notation'	M
@1033.1	*	Notation.note	#35, 'TEXT FIELD FOR INSPECTION REQUIREMENTS SPECIFICATION 1'	S

Table 13 – Application elements for 6SCML_revised (continued)

Id	V	Application Elements	Value	Req
@1038.1	*	Notation.note_title	#35, 'INSPECTION REQUIREMENTS SPECIFICATION'	S
@1071	*	Indentured_data_list_body to Notation (notes_list)	@744	M
@1032.2	*	Notation	#36, #47, 'notation'	M
@1033.2	*	Notation.note	#36, 'SECOND TEXT FIELD FOR INSPECTION REQUIREMENTS SPECIFICATION 2'	S
@1038.2	*	Notation.note_title	#36, 'INSPECTION REQUIREMENTS SPECIFICATION'	S
@1071		Indentured_data_list_body to Notation (notes_list)	@744	M
@1032.3	*	Notation	#34, #47, 'notation'	M
@1033.3	*	Notation.note	#34, 'Forecasted'	S
@1038.3	*	Notation.note_title	#34, 'AIRPLANE STATUS'	S
@1071		Indentured_data_list_body to Notation (notes_list)	@744	M
@1032.9		Notation	#38, #47, 'notation'	M
@1033.9		Notation.note	#38, 'NOTICE – THE INFORMATION CONTAINED HEREIN IS PROPRIETARY.'	S
@1042		Notation.type_of_notation	#10, #11, 'type of notation', #12, 'STANDARD NOTES'	C5
@1045		Notation to Element_identification (referenced_document_in_note)	@503.9	M
@1071		Indentured_data_list_body to Notation (notes_list)	@744	M
@1205	*	Product_configuration	#67	M
@1206	*	Product_configuration.configuration_id	#67, 'YA900'	S
@1210		Product_configuration to Product_model (product_name)	@1238	M
@1211		Configuration to Product_configuration (end_item_system_designation)	@171	M

Table 13 – Application elements for 6SCML_revised (continued)

Id	V	Application Elements	Value	Req
@1214		Effectivity to Product_configuration (product)	@498.1 - @498.4	M
@1238	*	Product_model	#68	M
@1239	*	Product_model.model_name	#68, '737'	S
@1240		Product_configuration to Product_model (product_name)	@1210	M
@1317		Release_authentication	#90	M
@1318		Release_authentication.authentication	#91, 'PDM'	S
@1321		Release_authentication to Company (release_authority)	@134.1, #87, #88, 'release authentication'	M
@1324		Release_authentication to Date (release_date)	@397, #82, #93, #101, 'release authentication'	M
@1325		Configuration to Release_authentication (release_authorizations)	@176	M
@1327.1	*	Retrofit_usage	#217, #218, #203, 'retrofit usage'	M
@1329	*	Retrofit_usage.disposition_for	#202, #201, 'delete'	M
@1331	*	Retrofit_usage to Other_reference_document (defining_document)	<not_present>	M
@1333	*	Retrofit_usage to Notation (retrofit_description)	<not_present>	M
@13342	*	Indentured_data_list_entry to Retrofit_usage (retrofit)	@7722.4, @7722.5	M
@1327.2	*	Retrofit_usage	#214, #215, #203, 'retrofit usage'	M
@1330	*	Retrofit_usage.disposition_for	#200, #199, 'modify'	M
@13341	*	Indentured_data_list_entry to Retrofit_usage (retrofit)	@7722.6	M
@1327.1	*	Retrofit_usage	#211, #212, #203, 'retrofit usage'	M
@1328	*	Retrofit_usage.disposition_for	#198, #197, 'add'	M
@13341		Indentured_data_list_entry to Retrofit_usage (retrofit)	@7722.7	M

Table 13 – Application elements for 6SCML_revised (continued)

Id	V	Application Elements	Value	Req
@1360		Security_classification	#80	M
@1361		Security_classification.item_classification	#80, 'item security classification', #81, 'PROPRIETARY'	C6
@1368		Configuration to Security_classification (security_identifications)	@179	M
@492.1	*	Effectivity (as Sequence_effectivity)	#21	M
@494.1	*	Effectivity.description	#13, 'applicability'	S
@496.1	*	Effectivity to Approval (effectivity_approvals)	@59	M
@498.1	*	Effectivity to Product_configuration (product)	@1205	M
@499	*	Indentured_data_list_entry to Effectivity (effective_on)	@763.1	M
@1372.1	*	Sequence_effectivity	#21	M
@1373.1	*	Sequence_effectivity.from_effectivity_id	#21, '362'	S
@1377.1	*	Sequence_effectivity.thru_effectivity_id	#21, '362'	S
@492.2		Effectivity (as Sequence_effectivity)	#23	M
@494.2		Effectivity.description	#15, 'applicability'	S
@496.2		Effectivity to Approval (effectivity_approvals)	@59	M
@498.2		Effectivity to Product_configuration (product)	@1205	M
@499		Indentured_data_list_entry to Effectivity (effective_on)	@763.2	M
@1372.2		Sequence_effectivity	#23	M
@1373.2		Sequence_effectivity.from_effectivity_id	#23, '362'	S
@1377.2		Sequence_effectivity.thru_effectivity_id	#23, '362'	S
@492.3		Effectivity (as Sequence_effectivity)	#22	M
@494.3		Effectivity.description	#14, 'applicability'	S
@496.3		Effectivity to Approval (effectivity_approvals)	@59	M
@498.3		Effectivity to Product_configuration (product)	@1205	M

Table 13 – Application elements for 6SCML_revised (continued)

Id	V	Application Elements	Value	Req
@499		Indentured_data_list_entry to Effectivity (effective_on)	@763.3	M
@1372.3		Sequence_effectivity	#22	M
@1373.3		Sequence_effectivity.from_effectivity_id	#22, '362'	S
@1377.3		Sequence_effectivity.thru_effectivity_id	#22, '362'	S
@1480.1	*	Status	#103	M
@1481.1	*	Status.status_code	#103, 'Components Available for Order'	S
@1484	*	Change_identification to Status (action_status)	@106.1	M
@1480.2	*	Status	#104	M
@1481.2	*	Status.status_code	#104, 'Approved'	S
@1484	*	Change_identification to Status (action_status)	@106.2	M
@1480.3	*	Status	#106	M
@1481.3	*	Status.status_code	#106, 'Approved'	S
@1484	*	Change_identification to Status (action_status)	@106.3	M
@1480.4	*	Status	#105	M
@1481.4	*	Status.status_code	#105, 'Components Available for Order'	S
@1484	*	Change_identification to Status (action_status)	@106.4	M
@1480.5	*	Status	#223	M
@1481.5	*	Status.status_code	#223, 'Approved'	S
@1484	*	Change_identification to Status (action_status)	@106.5	M
@1620.1	*	Tdp_indentured_item	#151	M
@1621.1	*	Tdp_indentured_item to Item_identification (tdp_indenture)	@869.1	M
@1626	*	Indentured_list_by_part to Tdp_indentured_item (tdp_indentured_items)	@802	M

Table 13 – Application elements for 6SCML_revised (concluded)

Id	V	Application Elements	Value	Req
@1620.2	*	Tdp_indentured_item	#195	M
@1621.2	*	Tdp_indentured_item to Item_identification (tdp_indenture)	@869.1	M
@1626		Indentured_list_by_part to Tdp_indentured_item (tdp_indentured_items)	@802	M

6.13.1.3 Verdict criteria

The following general verdict criteria apply: gvc1, gvc2, and gvc3.

The verdict criteria derivable from the application elements with non-blank entries in the V column of the preprocessor input specification table apply.

The following preprocessor-specific verdict criteria apply: none apply.

6.13.1.4 Constraints on values

The following constraints apply as referenced in the input specification table:

- c1: The value 'B' is suggested; all other attribute values are mandatory.
- c2: The value '1' is suggested; all other attribute values are mandatory.
- c3: The value 'A' is suggested; all other attribute values are mandatory.
- c4: The value '1' is suggested; all other attribute values are mandatory.
- c5: The value 'STANDARD NOTES' is suggested; all other attribute values are mandatory.
- c6: The value 'PROPRIETARY' is suggested; all other attribute values are mandatory.

6.13.1.5 Execution sequence

Test cases 6SCML_initial and 4SMPL_revised must be completed before this test case can be performed.

6.13.2 Postprocessor

6.13.2.1 Test purpose coverage

The following general test purposes are covered: g1, g4, and g5.

The following other test purposes are covered: other2, other5, and other6.

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In the preprocessor input specification table of this test case, the numbers in the Id column (ignoring the part beyond the decimal point, if any) whose rows are not empty in the V column identify the AE test purposes that are covered by this test case.

6.13.2.2 Input specification

The postprocessor input specification is provided in electronic form only. See annex C.

6.13.2.3 Verdict criteria

The following general verdict criteria apply: gvc1, gvc4, and gvc5.

The verdict criteria derivable from the application elements with non-blank entries in the V column of the preprocessor input specification table apply.

The following specific verdict criteria apply: none apply.

6.13.2.4 Execution sequence

Test cases 6SCML_initial and 4SMPL_revised must be completed before this test case can be performed.

6.14 6SCML_removeSCP

The purpose of this test case is to create an Indentured Data List of the type known as a Supplier Custom Module List (SCML) that carries net change information indicating the deletion of all indentured items that occurred in the IDL of test case 6SCML_revised. The type of Indentured Data List is indentured list by item.

NOTE See Figures E.58, E.59, and E.51 for instance diagrams of the application elements.

6.14.1 Preprocessor

6.14.1.1 Test purposes covered

In the preprocessor input specification table of this test case, the numbers in the Id column (ignoring the part beyond the decimal point, if any), whose rows are not empty in the V column identify the AE test purposes that are covered by this test case.

The following general test purposes are covered: g1, g2, and g3.

The following other test purposes are covered: other1, other14, and other22.

6.14.1.2 Input specification

Table 14 – Application elements for 6SCML_removeSCP

Id	V	Application Elements	Value	Req
@12	*	Alternate_element_identification	#168, #180, #172, 'document'	M

Table 14 – Application elements for 6SCML_removeSCP (continued)

Id	V	Application Elements	Value	Req
@13	*	Alternate_element_identification.identifying_number	#180, '616SCPPAM100YA900362 C'	S
@18		Alternate_element_identification to Design_authority (design_activity)	@444.1	M
@20		Alternate_element_identification to Element_type (element_classifications)	@550.2	M
@25		Element_identification to Alternate_element_identification (alternate_identifications)	@5062	M
@84.1	*	Change_identification	#126, 'change identification'	M
@90.1		Change_identification.change_code	#126, 'revision'	M
@104.1	*	Change_identification.revision_level	#93, 'change identification level', #106, ('C', 'revision'), #119, #61, #84, 'change identification', #160, 'C'	C1
@106		Change_identification to Status (action_status)	@1480	M
@119		Element_identification to Change_identification (change_status)	@508.1	M
@84.9		Change_identification	#132, 'change identification'	M
@90.9		Change_identification.change_code	#132, 'revision'	M
@104.9		Change_identification.revision_level	#105, 'change identification level', #118, ('B', 'revision'), #125, #69, #84, 'change identification', #166, 'B'	C2
@119		Element_identification to Change_identification (change_status)	@508.9	M
@134.1		Company	#140	M
@136		Company.address	#134, 'Headquarters, Drizzle, WA 99999'	S
@137.1		Company.name	#140, 'The Errorspace Company'	S
@144.1		Design_authority to Company (design_activity_identification)	@445.1	M

Table 14 – Application elements for 6SCML_removeSCP (continued)

Id	V	Application Elements	Value	Req
@148		Release_authentication to Company (release_authority)	@1321	M
@134.2		Company	#141	M
@137.2		Company.name	#141, 'The Errorspace Company'	S
@144.2		Design_authority to Company (design_activity_identification)	@445.2	M
@152		Company_code	#140	M
@153		Company_code.code	#135, '99999'	S
@155		Company_code.type_of_code	#136, ('alias id', 'CAGE')	M
@158		Design_authority to Company_code (design_activity_code)	@447	M
@164		Configuration	#53	M
@171		Configuration to Product_configuration (end_item_system_designation)	@1205	M
@176		Configuration to Release_authentication (release_authorizations)	@1317, #43, #66, #85, 'release authentication'	M
@179		Configuration to Security_classification (security_identifications)	@1360	M
@181		Header_configuration_with_element_identification to Configuration (data_configuration)	@722	M
@397		Date	#81	M
@399		Date.day	#81, 15	S
@401		Date.month	#81, 9	S
@404		Date.year	#81, 2000	S
@407		Approval to Date (approval_date)	@61	M
@423		Release_authentication to Date (release_date)	@1324	M
@444.1		Design_authority	#137, #1371	M
@4442		Design_authority.role	#139, 'id owner', #1391, 'creator'	M

Table 14 – Application elements for 6SCML_removeSCP (continued)

Id	V	Application Elements	Value	Req
@445.1		Design_authority to Company (design_activity_identification)	@134.1	M
@447		Design_authority to Company_code (design_activity_code)	@152	M
@450		Alternate_element_identification to Design_authority (design_activity)	@18	M
@454		Element_identification to Design_authority (design_activities)	@509.1	M
@456		Item_identification to Design_authority (design_activity)	@882.1	M
@444.2		Design_authority	#138, #1381	M
@4442		Design_authority.role	#139, 'id owner', #1391, 'creator'	M
@445.2		Design_authority to Company (design_activity_identification)	@134.2	M
@454		Element_identification to Design_authority (design_activities)	@509.9	M
@457		Item_identification to Design_authority (design_activity)	@882.2 - @882.4	M
@503.1	*	Element_identification	#160, #179, #172, 'document'	M
@504.1	*	Element_identification.identifying_number	#179, '616SCPPAM100,362,YA900',	S
@506		Element_identification.title	#179, 'DESCRIPTION FIELD FOR SUPPLIER CUSTOM PART'	S
@5062		Element_identification to Alternate_element_identification (alternate_identifications)	@12, #159, 'alternate element identification'	M
@508.1		Element_identification to Change_identification (change_status)	@84.1	M
@509.1		Element_identification to Design_authority (design_activities)	@444.1	M
@511		Element_identification to Element_type (element_classifications)	@550.1	M

Table 14 – Application elements for 6SCML_removeSCP (continued)

Id	V	Application Elements	Value	Req
@526		Header_configuration_with_element_identification to Element_identification (identification)	@723	M
@503.9		Element_identification	#166, #186, #172, 'document'	M
@504.9		Element_identification.identifying_number	#186, 'EDS-1057_SCML'	S
@508.9		Element_identification to Change_identification (change_status)	@84.9	M
@509.9		Element_identification to Design_authority (design_activities)	@444.2	M
@536		Notation to Element_identification (referenced_document_in_note)	@1045	M
@550.1		Element_type	#174	M
@551.1		Element_type.element_code	#174, 'Supplier Custom Module List'	S
@553		Element_type.type_of_coding_scheme	#174, 'Distribution Product'	S
@558		Element_identification to Element_type (element_classifications)	@511	M
@550.2		Element_type	#175	M
@551.2		Element_type.element_code	#175, 'SCML IDENTIFIER'	S
@556		Alternate_element_identification to Element_type (element_classifications)	@22	M
@688		Header	#53	M
@699		Header to Header_configuration_with_element_identification (header_configuration)	@721	M
@704		Indentured_data_list_header to Header (common_header)	@781	M
@721		Header_configuration_with_element_identification	#53	M
@722		Header_configuration_with_element_identification to Configuration (data_configuration)	@164	M
@723		Header_configuration_with_element_identification to Element_identification (identification)	@503.1	M

Table 14 – Application elements for 6SCML_removeSCP (continued)

Id	V	Application Elements	Value	Req
@726		Header to Header_configuration_with_element_identification (header_configuration)	@699	M
@1591		Tdp_element (as Associated_list)	#160, #179, #172, 'document', #169, #173, 'indentured data list'	M
@69		Associated_list (as Document_list)	#160, #179, #173, 'indentured data list'	M
@469		Document_list (as Indentured_data_list)	#160	M
@737	*	Indentured_data_list	#160, #179, #172, 'document', #169, #173, 'indentured data list'	M
@738		Indentured_data_list to Indentured_data_list_body (body)	@740	M
@739		Indentured_data_list to Indentured_data_list_header (header)	@780	M
@740	*	Indentured_data_list_body	#142, 'indentured data list content'	M
@741		Indentured_data_list_body to Indentured_data_list_tabulation (indentured_tabulation)	@788, #153, 'equivalence', #155, #157, 'configuration controlled document definition', #75, #63, #86, 'indentured by item'	M
@743		Indentured_data_list_body to Notation (notes_list)	#60, 'indentured data list body property', @1032	M
@751		Indentured_data_list to Indentured_data_list_body (body)	@738	M
@752.1	*	Indentured_data_list_entry	#146, #21, #152, 'indentured data list entry'	M
@755	*	Indentured_data_list_entry.indenture_level	<not_present>	M
@762	*	Indentured_data_list_entry to Effectivity (effective_on)	<not_present>	M
@764.1	*	Indentured_data_list_entry to Item_parent_to_item_child_relationship (entry)	@931.1	M
@7722.1	*	Indentured_data_list_entry to Retrofit_usage (retrofit)	@1327	M

Table 14 – Application elements for 6SCML_removeSCP (continued)

Id	V	Application Elements	Value	Req
@778	*	Indented_data_list_tabulation to Indented_data_list_entry (tabulation_of_entries)	@793	M
@752.2	*	Indented_data_list_entry	#145, #20, #152, 'indented data list entry'	M
@764.2	*	Indented_data_list_entry to Item_parent_to_item_child_relationship (entry)	@931.2	M
@7722.2	*	Indented_data_list_entry to Retrofit_usage (retrofit)	@1327	M
@778		Indented_data_list_tabulation to Indented_data_list_entry (tabulation_of_entries)	@793	M
@752.3	*	Indented_data_list_entry	#143, #18, #152, 'indented data list entry'	M
@764.3	*	Indented_data_list_entry to Item_parent_to_item_child_relationship (entry)	@931.3	M
@7722.3	*	Indented_data_list_entry to Retrofit_usage (retrofit)	@1327	M
@778		Indented_data_list_tabulation to Indented_data_list_entry (tabulation_of_entries)	@793	M
@780	*	Indented_data_list_header	#53, 'indented data list header'	M
@781		Indented_data_list_header to Header (common_header)	@688	M
@787		Indented_data_list to Indented_data_list_header (header)	@739	M
@788		Indented_data_list_tabulation	#75, #63, #86, 'indented by item'	M
@790		Indented_data_list_tabulation to Indented_list_by_part (method_of_entry_tabulation)	@800	M
@793		Indented_data_list_tabulation to Indented_data_list_entry (tabulation_of_entries)	@752.1 - @752.3	M
@794		Indented_data_list_body to Indented_data_list_tabulation (indented_tabulation)	@741	M

Table 14 – Application elements for 6SCML_removeSCP (continued)

Id	V	Application Elements	Value	Req
@800	*	Indented_list_by_part	#75, #63, #86, 'indented by item'	M
@801	*	Indented_list_by_part to Tdp_indentured_item (tdp_indentured_items)	@1620	M
@803		Indented_data_list_tabulation to Indented_list_by_part (method_of_entry_tabulation)	@790	M
@869.1	*	Item_identification	#167	M
@870.1	*	Item_identification.identifying_number	#181, '616SCPPAM100'	S
@880.1	*	Item_identification to Item_type (classifications)	@945.1	M
@882.1	*	Item_identification to Design_authority (design_activity)	@444.1	M
@901	*	Item_parent_to_item_child_relationship to Item_identification (parent)	@933.1	M
@908	*	Tdp_indentured_item to Item_identification (tdp_indenture)	@1621	M
@869.2	*	Item_identification	#164	M
@870.2	*	Item_identification.identifying_number	#185, '616MODPAM100'	S
@880.2	*	Item_identification to Item_type (classifications)	@945.2	M
@882.2	*	Item_identification to Design_authority (design_activity)	@444.2	M
@889.2	*	Item_parent_to_item_child_relationship to Item_identification (child)	@932.1	M
@869.3	*	Item_identification	#163	M
@870.3	*	Item_identification.identifying_number	#184, '616MODPAM300'	S
@880.3	*	Item_identification to Item_type (classifications)	@945.2	M
@882.3	*	Item_identification to Design_authority (design_activity)	@444.2	M
@889.3	*	Item_parent_to_item_child_relationship to Item_identification (child)	@932.2	M
@869.4	*	Item_identification	#161	M

Table 14 – Application elements for 6SCML_removeSCP (continued)

Id	V	Application Elements	Value	Req
@870.4	*	Item_identification.identifying_number	#182, '616MODPAM900'	S
@880.4	*	Item_identification to Item_type (classifications)	@945.2	M
@882.4	*	Item_identification to Design_authority (design_activity)	@444.2	M
@889.4	*	Item_parent_to_item_child_relationship to Item_identification (child)	@932.3	M
@931.1	*	Item_parent_to_item_child_relationship	#215	M
@932.1	*	Item_parent_to_item_child_relationship to Item_identification (child)	@869.2	M
@933.1	*	Item_parent_to_item_child_relationship to Item_identification (parent)	@869.1	M
@934	*	Indentured_data_list_entry to Item_parent_to_item_child_relationship (entry)	@764.1	M
@931.2	*	Item_parent_to_item_child_relationship	#212	M
@932.2	*	Item_parent_to_item_child_relationship to Item_identification (child)	@869.3	M
@933.2	*	Item_parent_to_item_child_relationship to Item_identification (parent)	@869.1	M
@934		Indentured_data_list_entry to Item_parent_to_item_child_relationship (entry)	@764.2	M
@931.3	*	Item_parent_to_item_child_relationship	#209	M
@932.3	*	Item_parent_to_item_child_relationship to Item_identification (child)	@869.4	M
@933.3		Item_parent_to_item_child_relationship to Item_identification (parent)	@869.1	M
@934	*	Indentured_data_list_entry to Item_parent_to_item_child_relationship (entry)	@764.3	M
@945.1		Item_type	#176	M
@946.1		Item_type.item_code	#176, 'supplier custom part'	S
@951		Item_identification to Item_type (classifications)	@880.1	M
@945.2		Item_type	#177	M

Table 14 – Application elements for 6SCML_removeSCP (continued)

Id	V	Application Elements	Value	Req
@946.2		Item_type.item_code	#177, 'module'	S
@952		Item_identification to Item_type (classifications)	@880.2 - @880.4	M
@1032		Notation	#35, #33, 'notation'	M
@1033		Notation.note	#35, 'NOTICE – THE INFORMATION CONTAINED HEREIN IS PROPRIETARY.'	S
@1042		Notation.type_of_notation	#10, #11, 'type of notation', #12, 'STANDARD NOTES'	C3
@1045		Notation to Element_identification (referenced_document_in_note)	@503.9	M
@1071		Indented_data_list_body to Notation (notes_list)	@744	M
@1205	*	Product_configuration	#46	M
@1206	*	Product_configuration.configuration_id	#46, 'YA900'	S
@1210		Product_configuration to Product_model (product_name)	@1238	M
@1211		Configuration to Product_configuration (end_item_system_designation)	@171	M
@1238	*	Product_model	#45	M
@1239	*	Product_model.model_name	#45, '737'	S
@1240		Product_configuration to Product_model (product_name)	@1210	M
@1317		Release_authentication	#78	M
@1318		Release_authentication.authentication	#77, 'PDM'	S
@1321		Release_authentication to Company (release_authority)	@134.1, #41, #42, 'release authentication'	M
@1324		Release_authentication to Date (release_date)	@397, #83, #62, #85, 'release authentication'	M
@1325		Configuration to Release_authentication (release_authorizations)	@176	M

Table 14 – Application elements for 6SCML_removeSCP (concluded)

Id	V	Application Elements	Value	Req
@1327	*	Retrofit_usage	#216, #217, #206, 'retrofit usage'	M
@1329	*	Retrofit_usage.disposition_for	#205, #204, 'delete'	M
@13342	*	Indentured_data_list_entry to Retrofit_usage (retrofit)	@7722.1 - @7722.3	M
@1360		Security_classification	#39	M
@1361		Security_classification.item_classification	#39, 'item security classification', #40, 'PROPRIETARY'	C4
@1368		Configuration to Security_classification (security_identifications)	@179	M
@1480	*	Status	#87	M
@1481	*	Status.status_code	#87, 'Components Available for Order'	S
@1484	*	Change_identification to Status (action_status)	@106.1	M
@1620	*	Tdp_indentured_item	#201	M
@1621	*	Tdp_indentured_item to Item_identification (tdp_indenture)	@869.1	M
@1626	*	Indentured_list_by_part to Tdp_indentured_item (tdp_indentured_items)	@801	M

6.14.1.3 Verdict criteria

The following general verdict criteria apply: gvc1, gvc2, and gvc3.

The verdict criteria derivable from the application elements with non-blank entries in the V column of the preprocessor input specification table apply.

The following preprocessor-specific verdict criteria apply: none apply.

6.14.1.4 Constraints on values

The following constraints apply as referenced in the input specification table:

c1: The value 'C' is suggested; all other attribute values are mandatory.

c2: The value 'B' is suggested; all other attribute values are mandatory.

c3: The value 'STANDARD NOTES' is suggested; all other attribute values are mandatory.

c4: The value 'PROPRIETARY' is suggested; all other attribute values are mandatory.

6.14.1.5 Execution sequence

Test case 6SCML_revised must be completed before this test case can be performed.

6.14.2 Postprocessor

6.14.2.1 Test purpose coverage

The following general test purposes are covered: g1, g4, and g5.

The following other test purposes are covered: other2, other5, and other6.

In the preprocessor input specification table of this test case, the numbers in the Id column (ignoring the part beyond the decimal point, if any) whose rows are not empty in the V column identify the AE test purposes that are covered by this test case.

6.14.2.2 Input specification

The postprocessor input specification is provided in electronic form only. See annex C.

6.14.2.3 Verdict criteria

The following general verdict criteria apply: gvc1, gvc4, and gvc5.

The verdict criteria derivable from the application elements with non-blank entries in the V column of the preprocessor input specification table apply.

The following specific verdict criteria apply: none apply.

6.14.2.4 Execution sequence

Test case 6SCML_revised must be completed before this test case can be performed.

Annex A (normative)

Conformance classes

A.1 Conformance class 1

To conform to conformance class 1 of ISO 10303-232, an implementation shall pass executable versions of the following abstract test cases:

- 1UoF_DDE_for_files

NOTE Additional test cases for this conformance class will be added in Edition 2 of ISO/TS 10303-332.

A.2 Conformance class 2

To conform to conformance class 2 of ISO 10303-232, an implementation shall pass executable versions of the following abstract test cases:

- 2UoF_DDE_for_TDP_elements

NOTE Additional test cases for this conformance class will be added in Edition 2 of ISO/TS 10303-332.

A.3 Conformance class 3

To conform to conformance class 3 of ISO 10303-232, an implementation shall pass executable versions of the following abstract test cases:

NOTE Test cases for this conformance class will be added in Edition 2 of ISO/TS 10303-332.

A.4 Conformance class 4

To conform to conformance class 4 of ISO 10303-232, an implementation shall pass executable versions of the following abstract test cases:

- 4UoF_PL1
- 4UoF_PL2
- 4SMPL_initial
- 4SMPL_revised
- 4SMPL_em
- 4SMPL_instl_rqmts
- 4SMPL_developmental

A.5 Conformance class 5

To conform to conformance class 5 of ISO 10303-232, an implementation shall pass executable versions of the following abstract test cases:

NOTE Test cases for this conformance class will be added in Edition 2 of ISO/TS 10303-332.

A.6 Conformance class 6

To conform to conformance class 6 of ISO 10303-232, an implementation shall pass executable versions of the following abstract test cases:

- **6UoF_IDL1**
- **6UoF_IDL2**
- **6SCML_initial**
- **6SCML_revised**
- **6SCML_removeSCP**

A.7 Conformance class 7

To conform to conformance class 7 of ISO 10303-232, an implementation shall pass executable versions of the following abstract test cases:

NOTE Test cases for this conformance class will be added in Edition 2 of ISO/TS 10303-332.

A.8 Conformance class 8

To conform to conformance class 8 of ISO 10303-232, an implementation shall pass executable versions of the following abstract test cases:

NOTE Test cases for this conformance class will be added in Edition 2 of ISO/TS 10303-332.

A.9 Conformance class 9

To conform to conformance class 9 of ISO 10303-232, an implementation shall pass executable versions of the following abstract test cases:

NOTE Test cases for this conformance class will be added in Edition 2 of ISO/TS 10303-332.

A.10 Conformance class 10

To conform to conformance class 10 of ISO 10303-232, an implementation shall pass executable versions of the following abstract test cases:

NOTE Test cases for this conformance class will be added in Edition 2 of ISO/TS 10303-332.

ISO/TS 10303-332:2002(E)

A.11 Conformance class 11

To conform to conformance class 11 of ISO 10303-232, an implementation shall pass executable versions of the following abstract test cases:

NOTE Test cases for this conformance class will be added in Edition 2 of ISO/TS 10303-332.

A.12 Conformance class 12

To conform to conformance class 12 of ISO 10303-232, an implementation shall pass executable versions of the following abstract test cases:

NOTE Test cases for this conformance class will be added in Edition 2 of ISO/TS 10303-332.

A.13 Conformance class 13

To conform to conformance class 13 of ISO 10303-232, an implementation shall pass executable versions of the following abstract test cases:

NOTE Test cases for this conformance class will be added in Edition 2 of ISO/TS 10303-332.

A.14 Conformance class 14

To conform to conformance class 14 of ISO 10303-232, an implementation shall pass executable versions of the following abstract test cases:

NOTE Test cases for this conformance class will be added in Edition 2 of ISO/TS 10303-332.

Annex B
(normative)

Information object registration

To provide for unambiguous identification of an information object system, the object identifier

{ iso standard 10303 part(332) version(1) }

is assigned to this part of ISO 10303. The meaning of this value is defined in ISO/IEC 8824-1 and is described in ISO 10303-1.

Annex C
(normative)

Computer interpretable postprocessor input specification

This annex references a listing of the postprocessor input specifications for this part of ISO 10303 without comments or other explanatory text. These specifications are documented using ISO 10303-21. These specifications are available in computer-interpretable form and are provided as attachments to this Technical Specification, and at the following URL:

<http://www.mel.nist.gov/step/parts/part332/ts/>

The postprocessor input specifications for each test case is supplied electronically via the Internet. Table C.1 lists the file name of the postprocessor input specification that is associated with the postprocessor subclause(s) of a test case.

Table C. 1 Postprocessor input specification file names

Subclause	Test case	File name
6.1	1UoF_DDE_for_files	1UoF_DDE.stp
6.2	2UoF_DDE_for_TDP_elements	2UoF_DDE.stp
6.3	4UoF_PL1	4UoF_PL1.stp
6.4	4UoF_PL2	4UoF_PL2.stp
6.5	4SMPL_initial	4SMPL_initial.stp
6.6	4SMPL_revised	4SMPL_revised.stp
6.7	4SMPL_em	4SMPL_em.stp
6.8	4SMPL_instl_rqmts	4SMPL_instl_rqmts.stp
6.9	4SMPL_developmental	4SMPL_developmental.stp
6.10	6UoF_IDL1	6UoF_IDL1.stp
6.11	6UoF_IDL2	6UoF_IDL2.stp
6.12	6SCML_initial	6SCML_initial.stp
6.13	6SCML_revised	6SCML_revised.stp
6.14	6SCML_removeSCP	6SCML_removeSCP.stp

Annex D
(informative)

Excluded test purposes

Test purposes for the absence of an attribute or relationship, i.e., test purposes for which the entry in the Value column is <not_present>, are included one time only in any test case. That is, tests for the absence of an application element are not repeated within a test case that includes multiple instances of an application object.

Annex E (informative)

Instance diagrams

NOTE In some of the figures in this annex, rectangles that depict instances of application objects are shaded. The shading indicates that the rectangle represents a repetition of an instance that appeared in a preceding figure for the same test case.

E.1 1UoF_DDE_for_files

Minimum Data Definition Exchange for Files

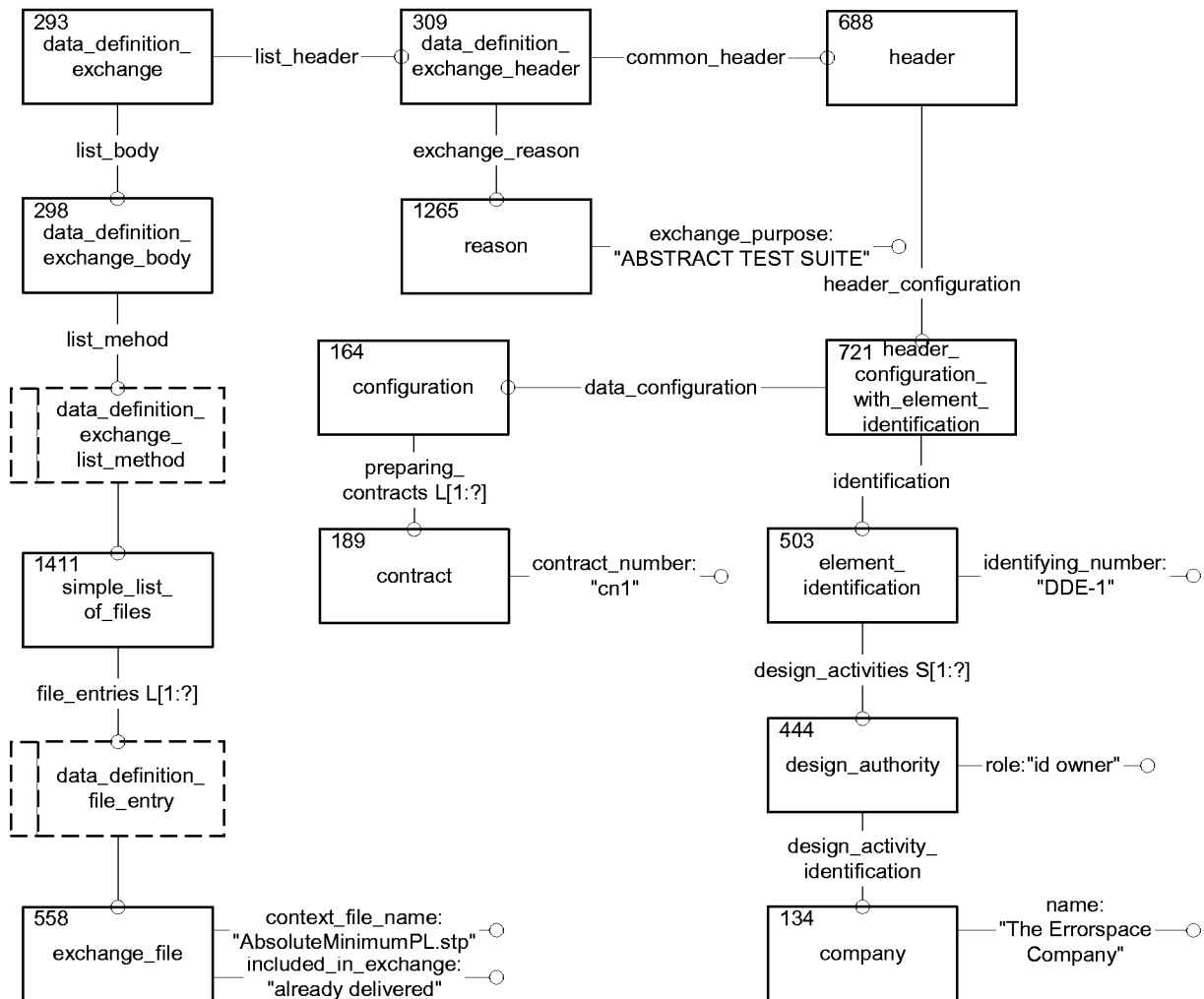


Figure E. 1 – Instance diagram 1 of 59

E.2 2UoF_DDE_for_TDP_elements

Minimum Data Definition Exchange
for TDP Elements

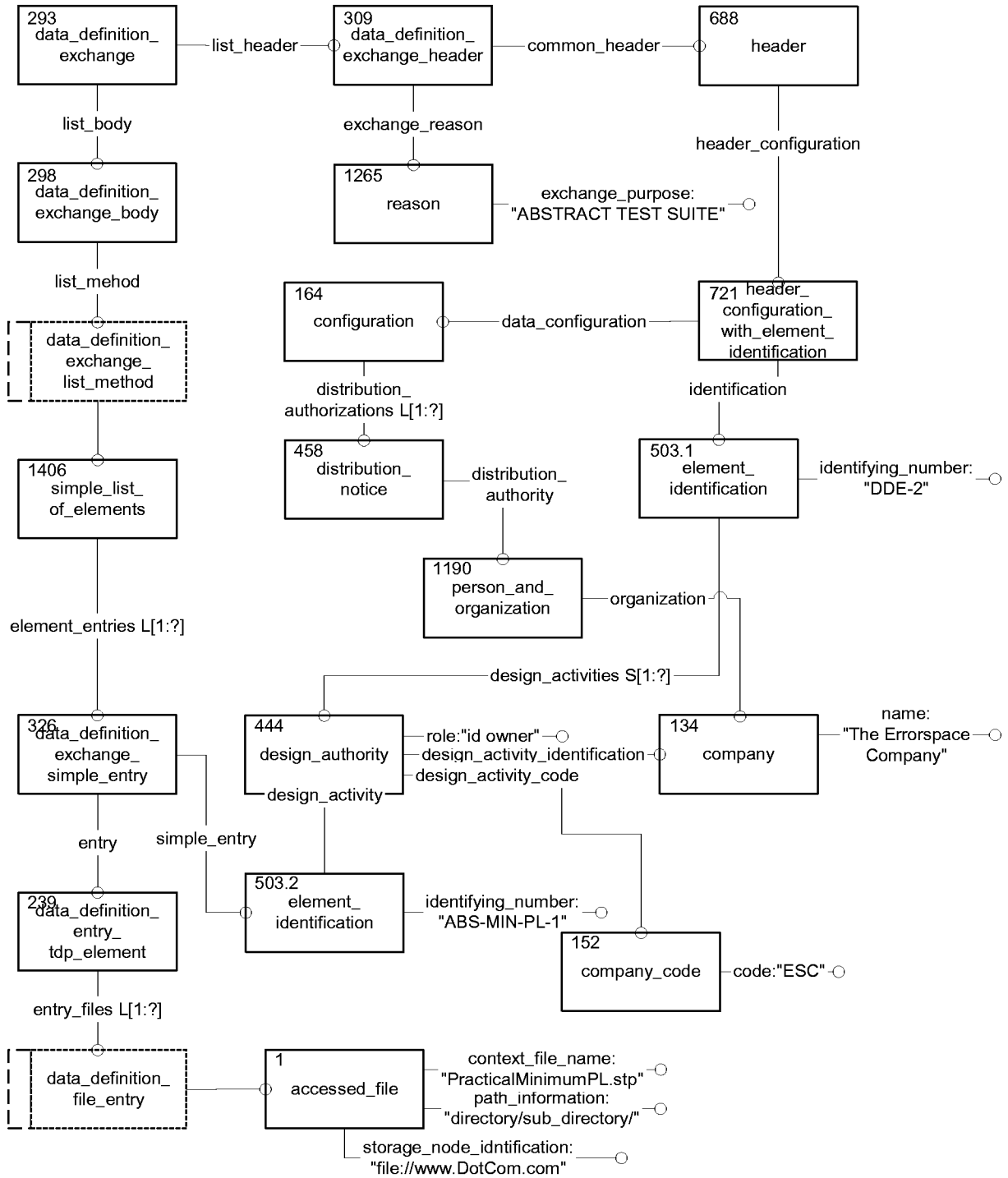


Figure E. 2 – Instance diagram 2 of 59

E.3 4UoF_PL1

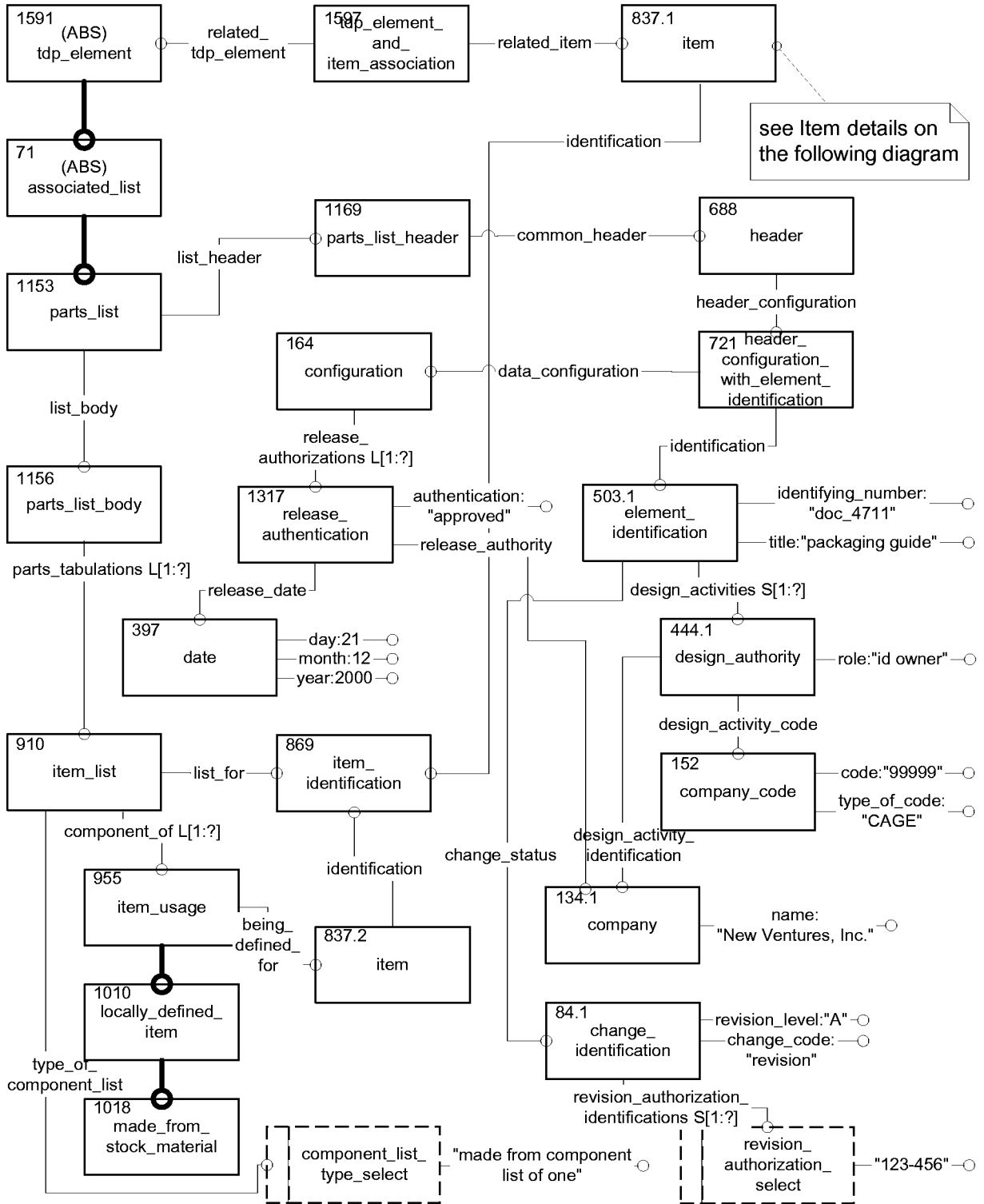


Figure E. 3 – Instance diagram 3 of 59

Test Case 4UoF_PL1: Item Details

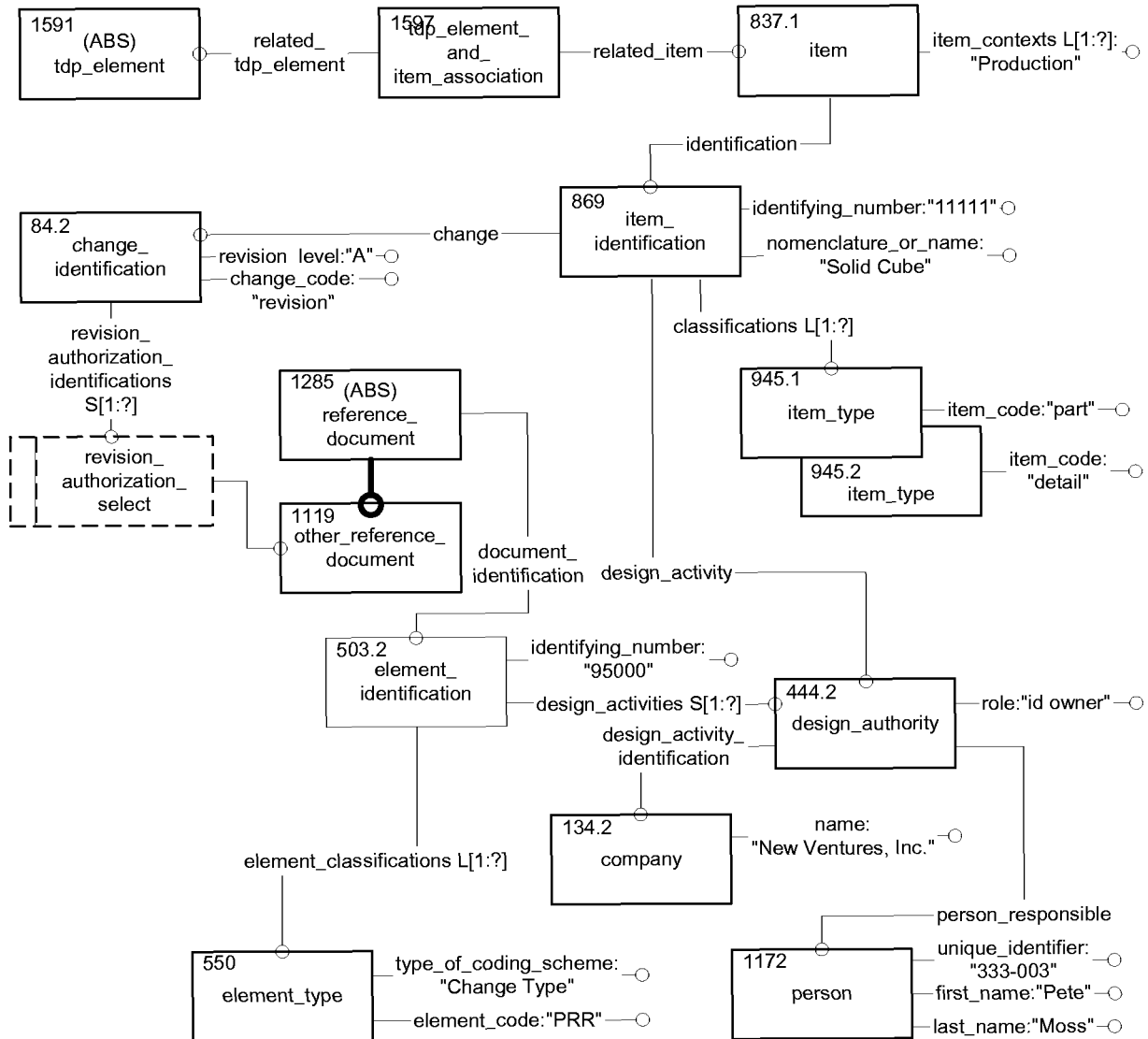


Figure E. 4 – Instance diagram 4 of 59

E.4 4UoF_PL2

Test Case 4UoF_PL2
Adaptation of PDM Implementor Forum Test Case ps1
Basic Assembly Part Structure

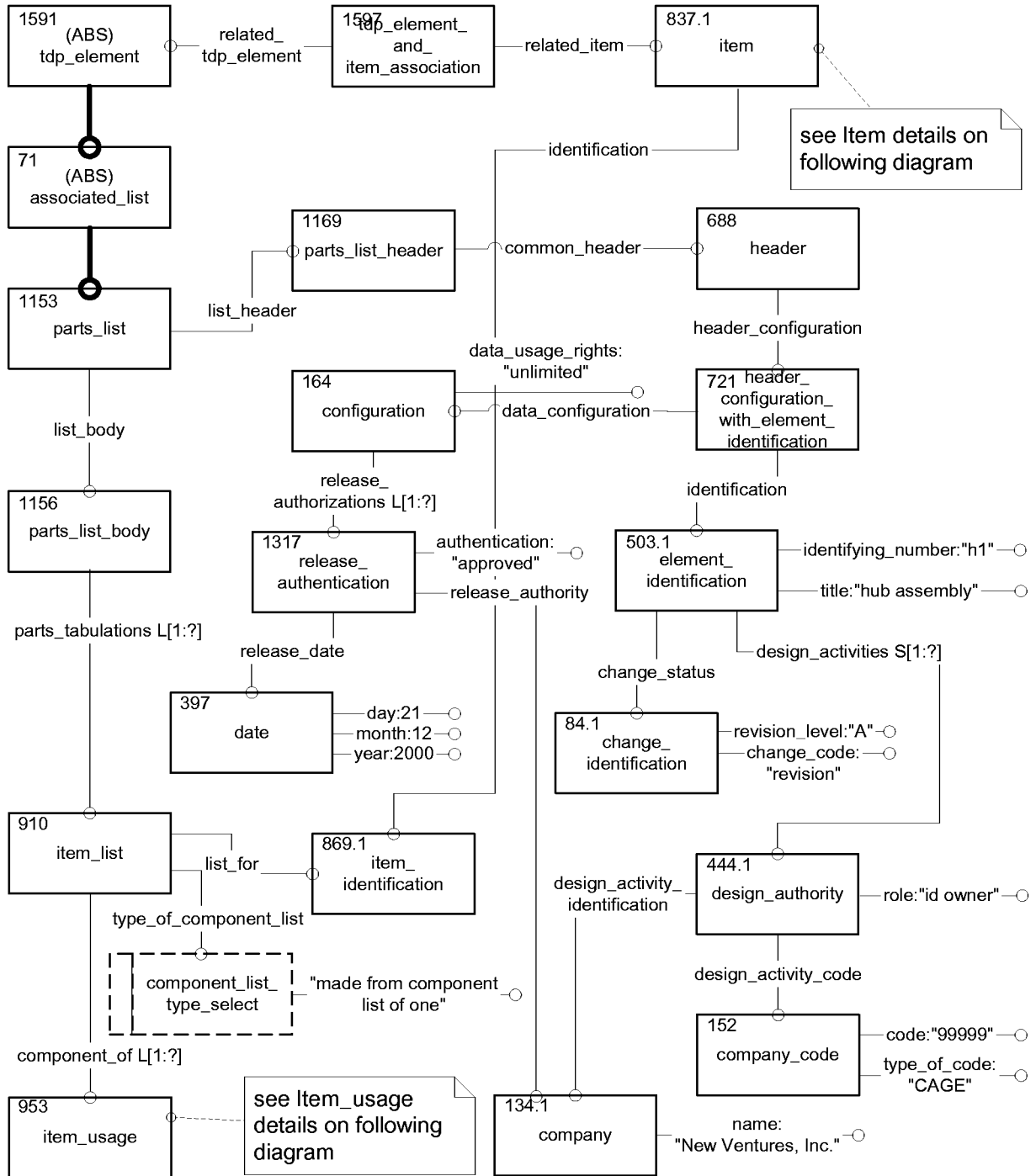


Figure E. 5 – Instance diagram 5 of 59

Test Case 4UoF_PL2:
Item and Item_usage (component) Details

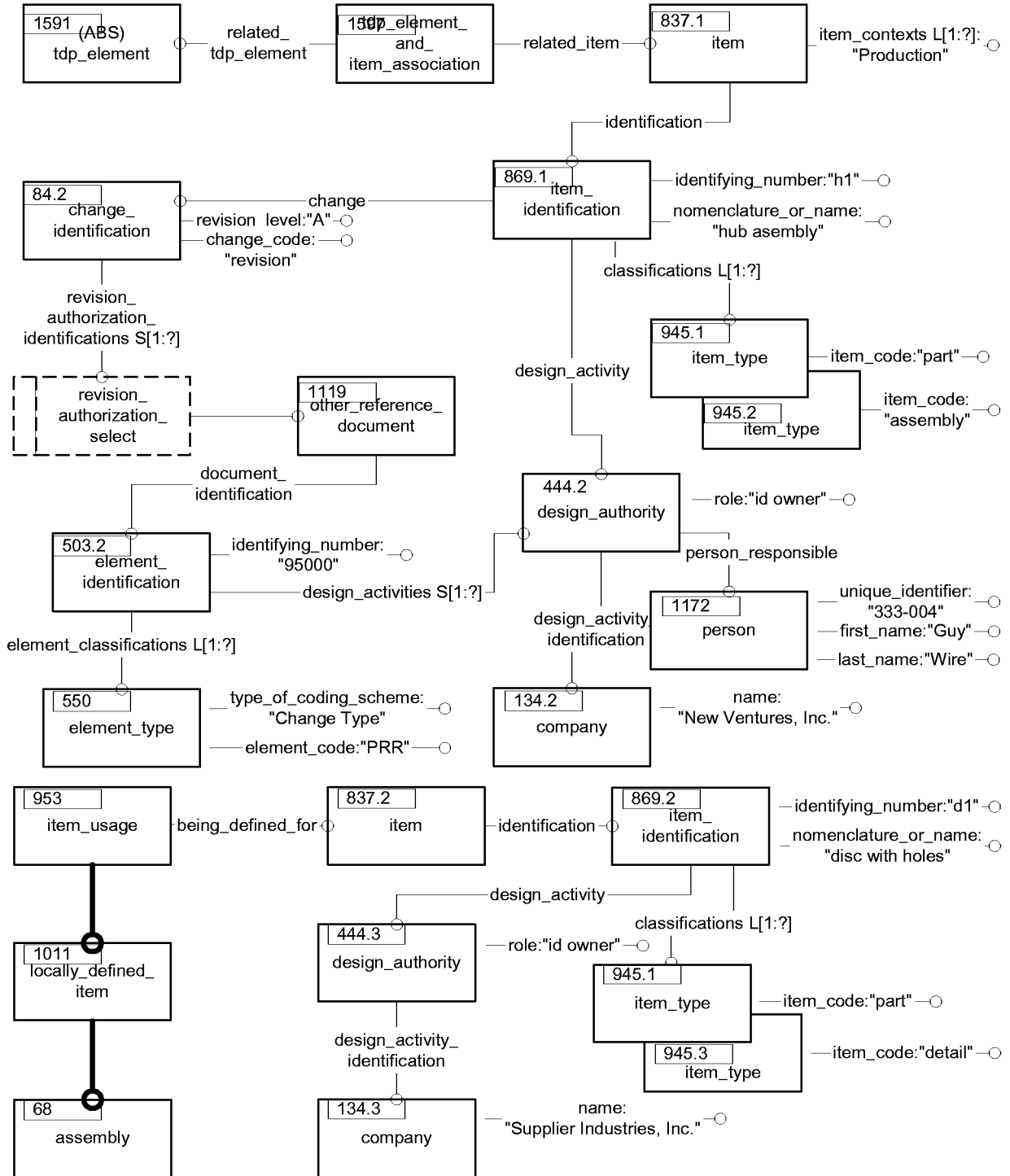


Figure E. 6 – Instance diagram 6 of 59

E.5 4SMPL_initial

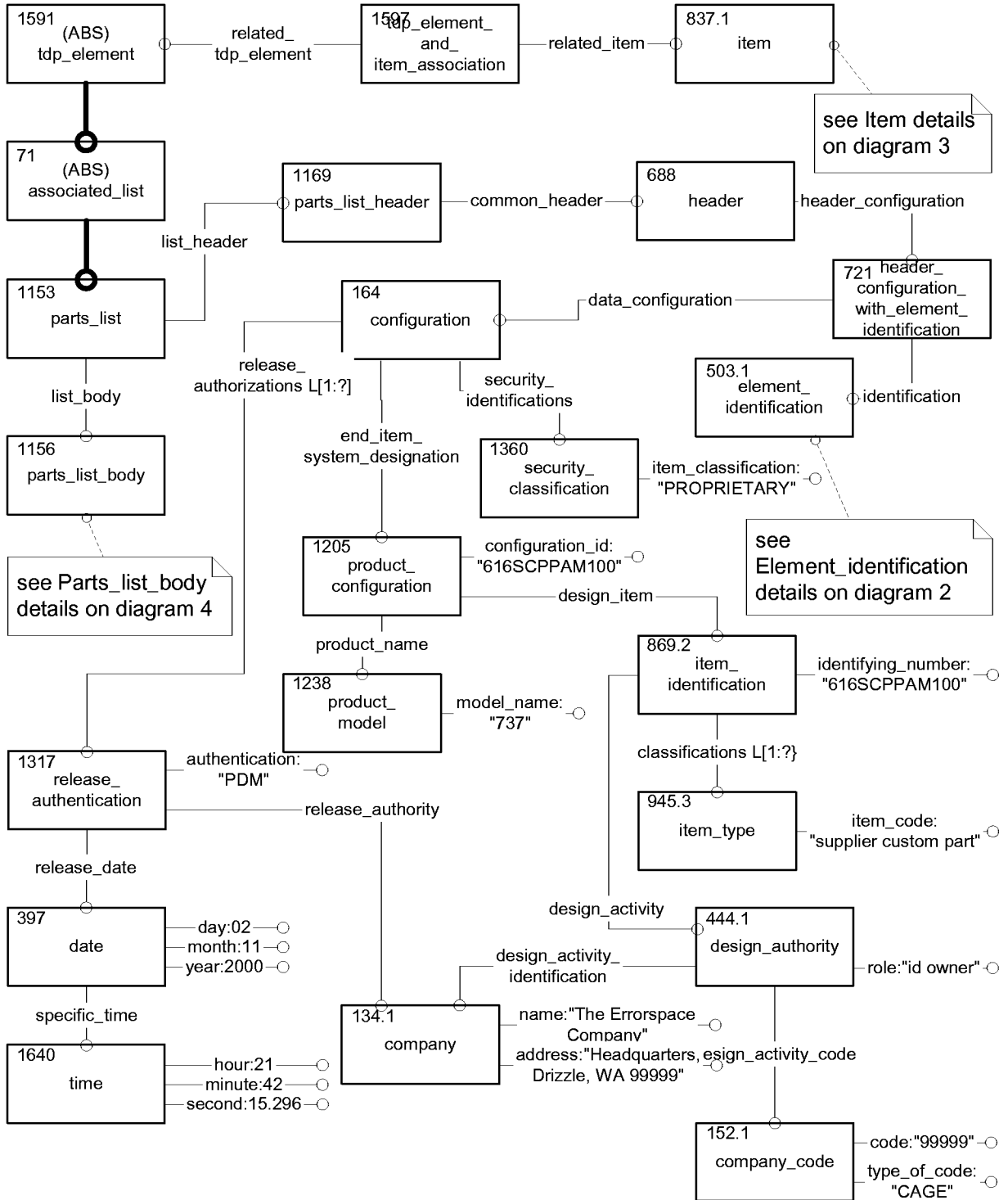


Figure E. 7 – Instance diagram 7 of 59

Test Case 4SMPL_initial diagram 2
Element_identification

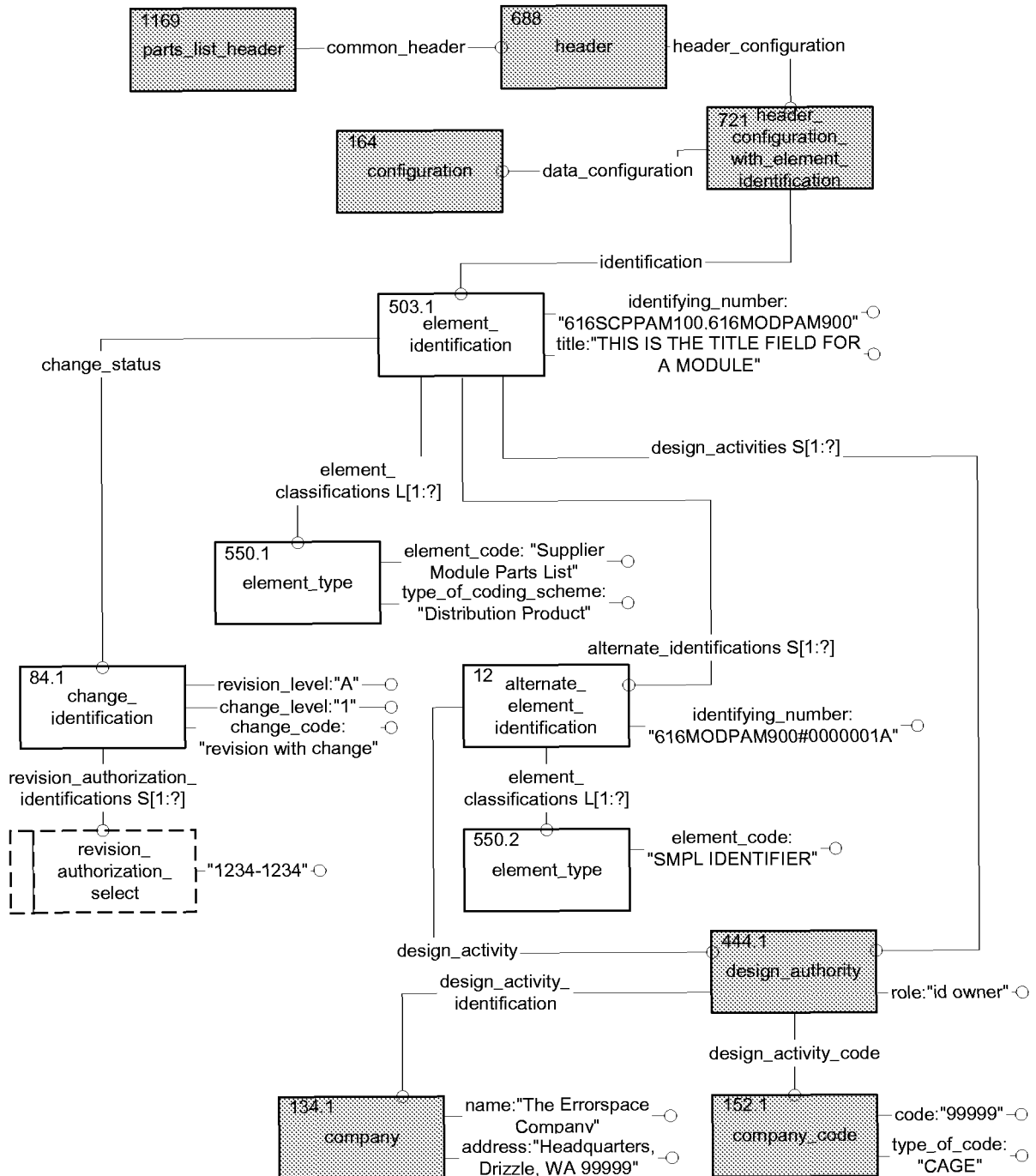


Figure E. 8 – Instance diagram 8 of 59

Test Case 4SMPL_initial diagram 3
Module Details

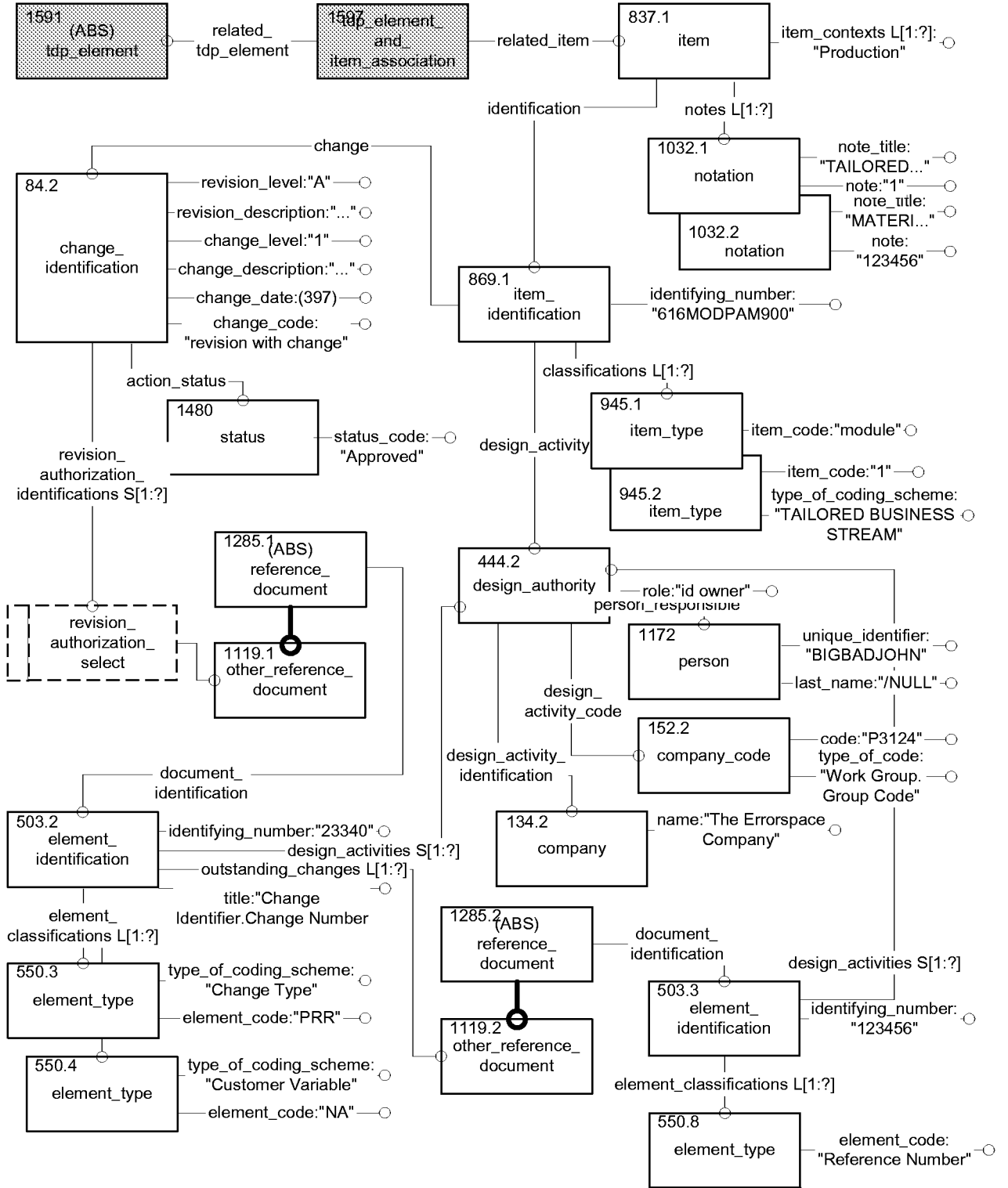


Figure E. 9 – Instance diagram 9 of 59

Test Case 4SMPL_initial diagram 4
Component 1

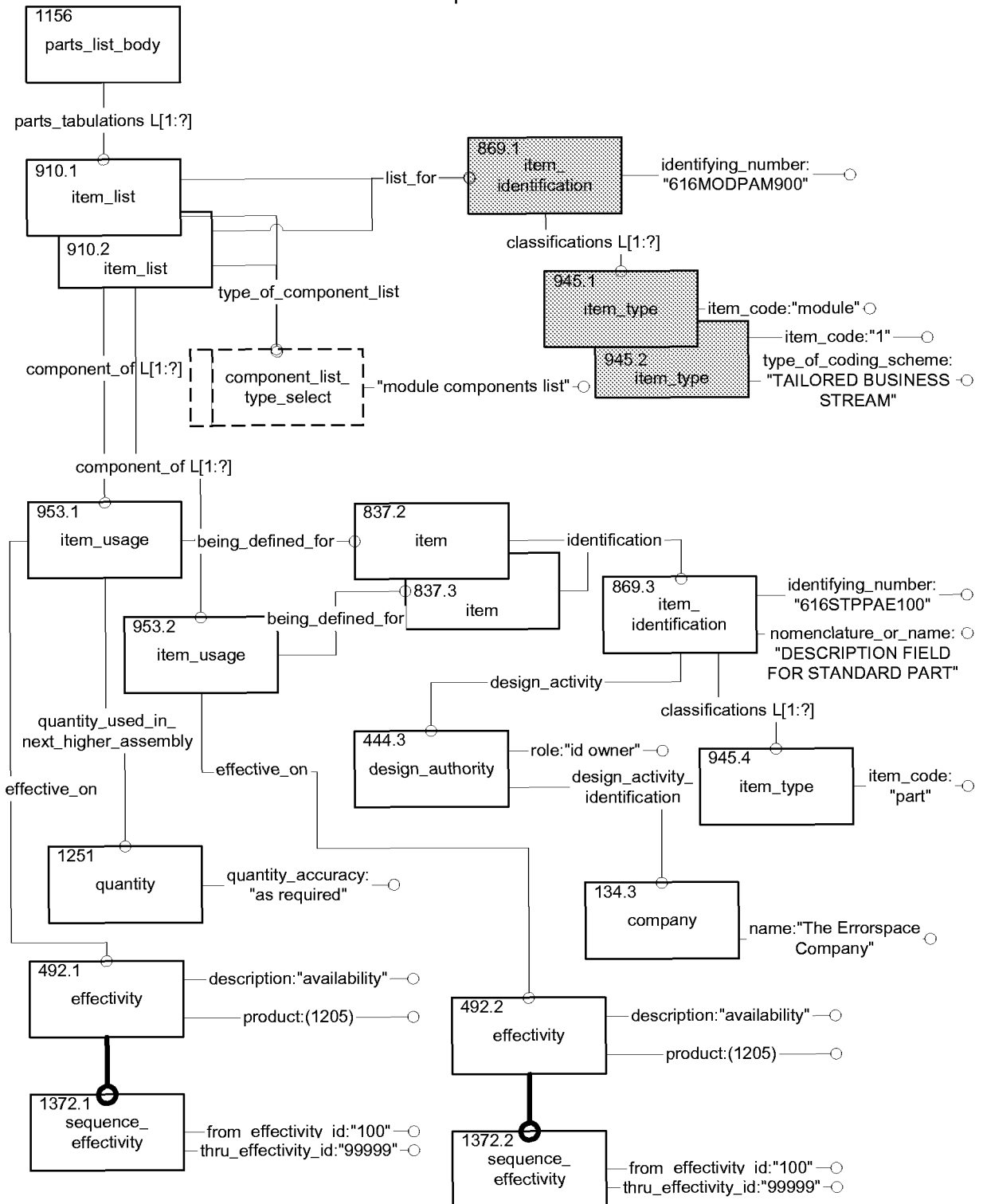


Figure E. 10 – Instance diagram 10 of 59

Test Case 4SMPL_initial diagram 5
Component 2

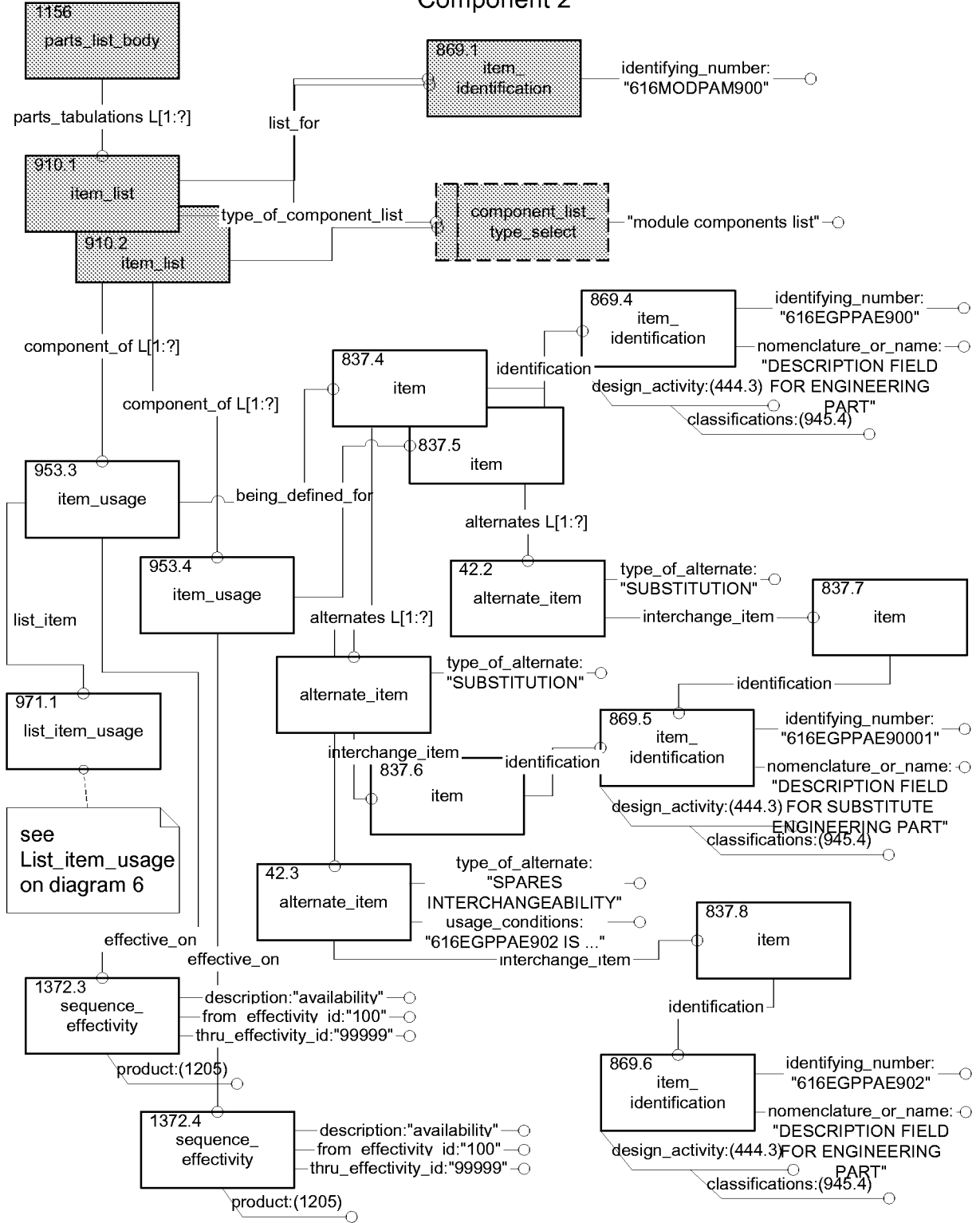


Figure E. 11 – Instance diagram 11 of 59

Test Case 4SMPL_initial diagram 6
Component 2 notes

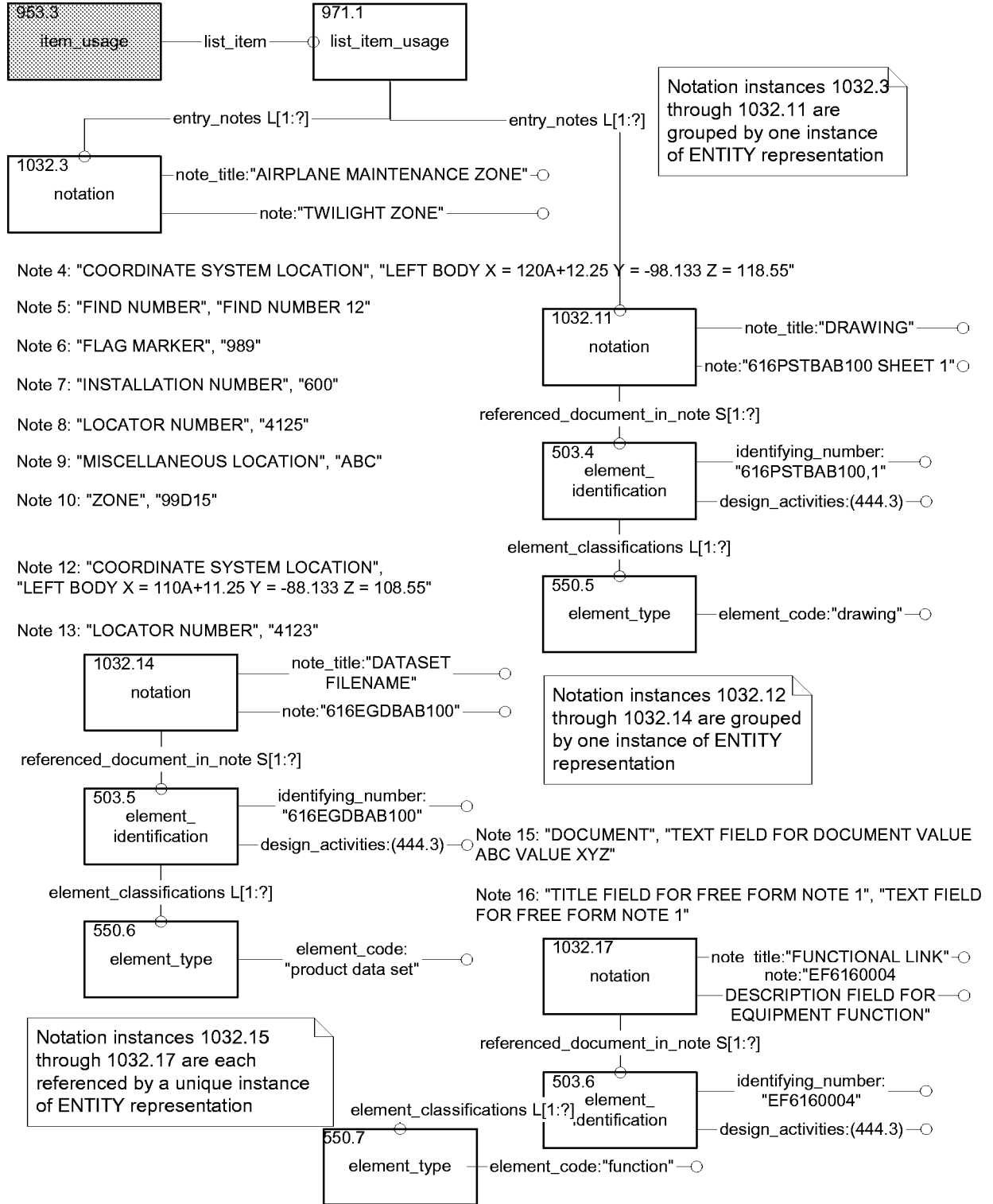


Figure E. 12 – Instance diagram 12 of 59

Test Case 4SMPL_initial diagram 7
Locator Number Table

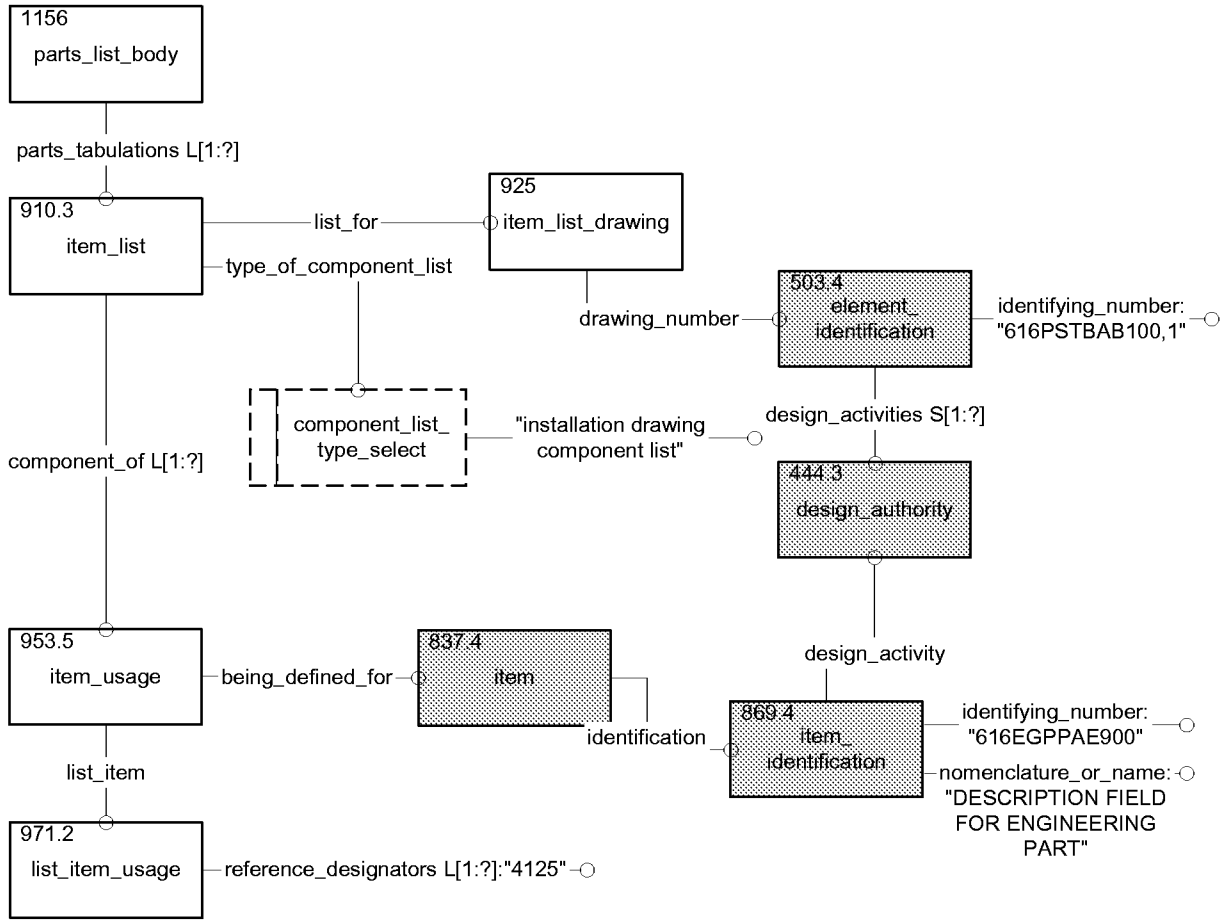


Figure E. 13 – Instance diagram 13 of 59

Test Case 4SMPL_<all>:
Standard Notes

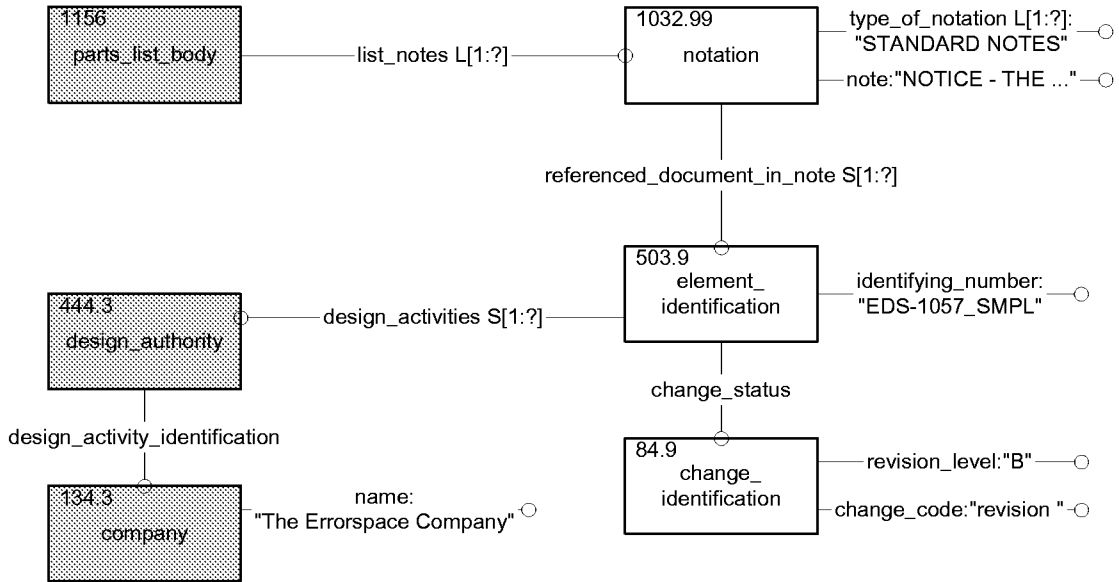


Figure E. 14 – Instance diagram 14 of 59

E.6 4SMPL_revised

Test Case 4SMPL_revised diagram 1
Supplier Module Parts List with net change information

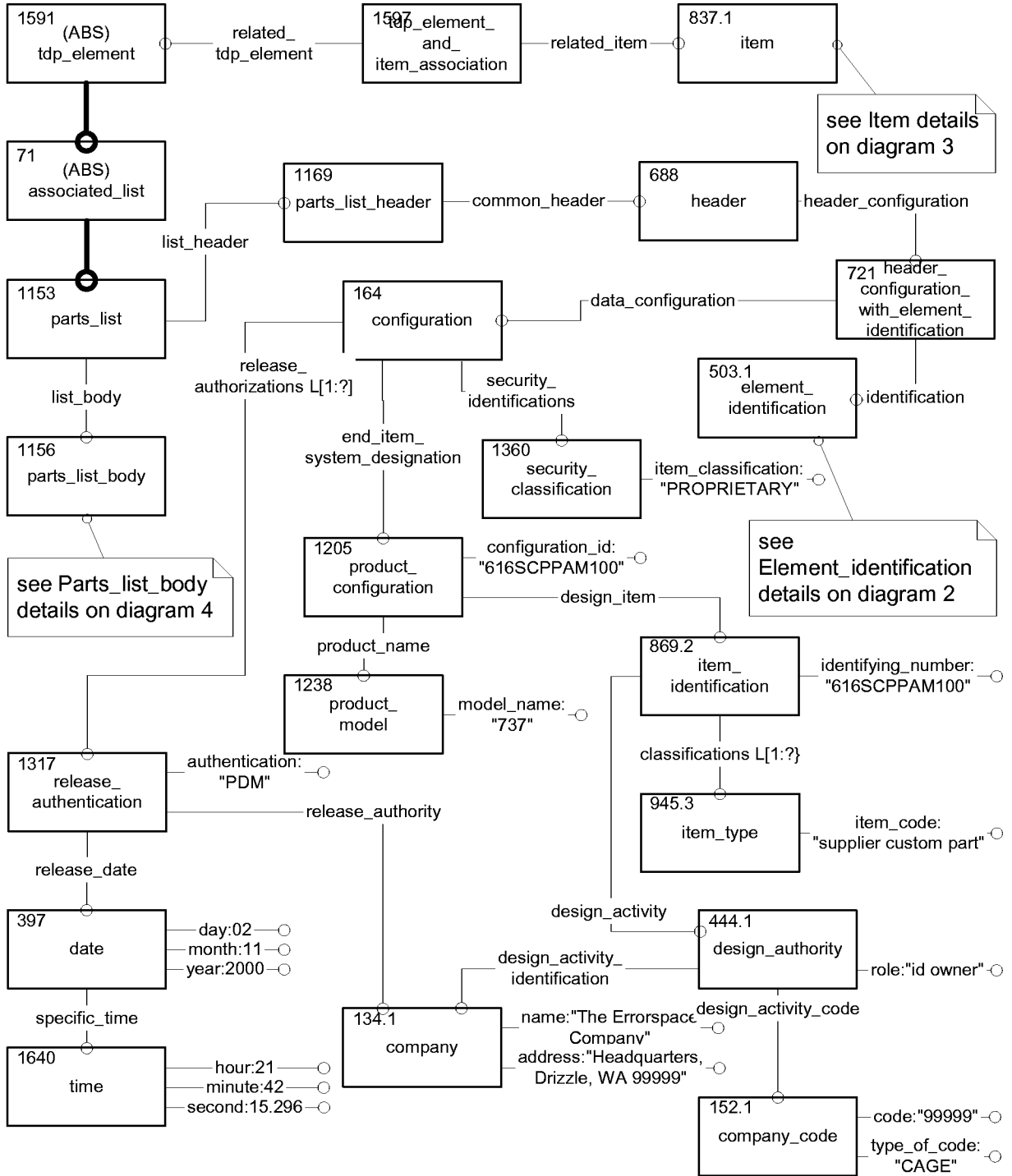


Figure E. 15 – Instance diagram 15 of 59

Test Case 4SMPL_revised diagram 2
Element_identification

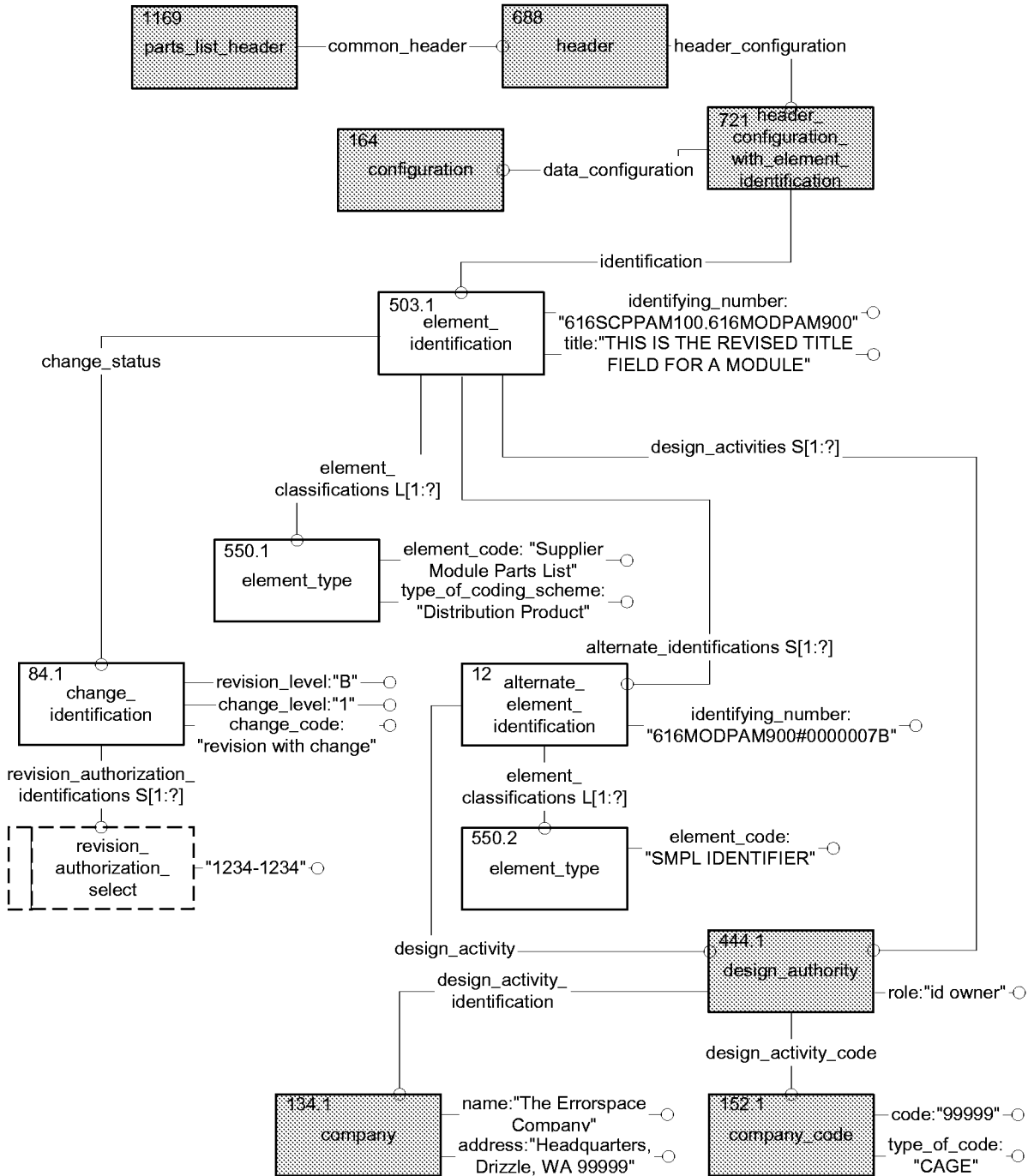


Figure E. 16 – Instance diagram 16 of 59

Test Case 4SMPL_revised diagram 3
Module Details

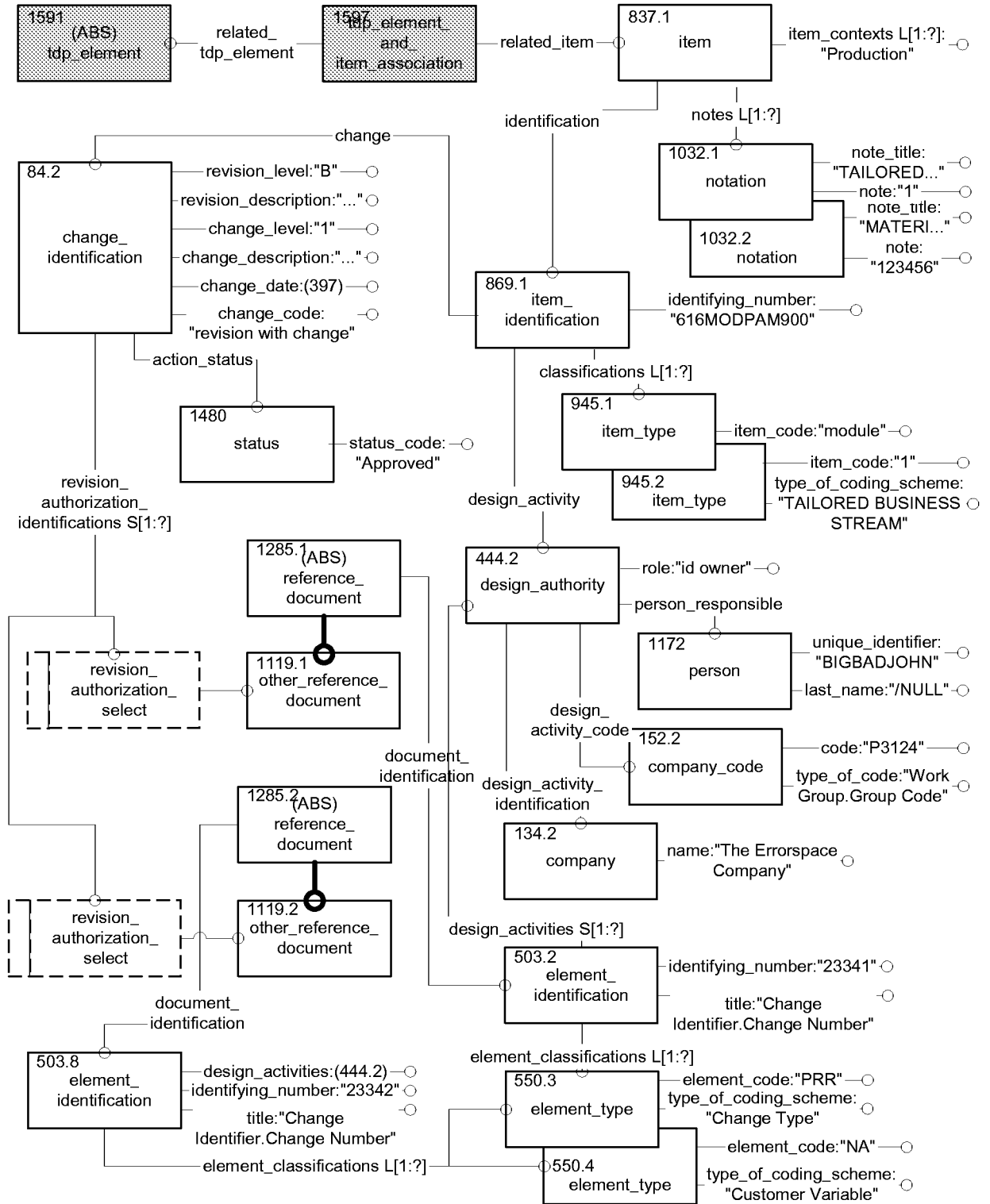


Figure E. 17 – Instance diagram 17 of 59

Test Case 4SMPL_revised diagram 4
Component 1

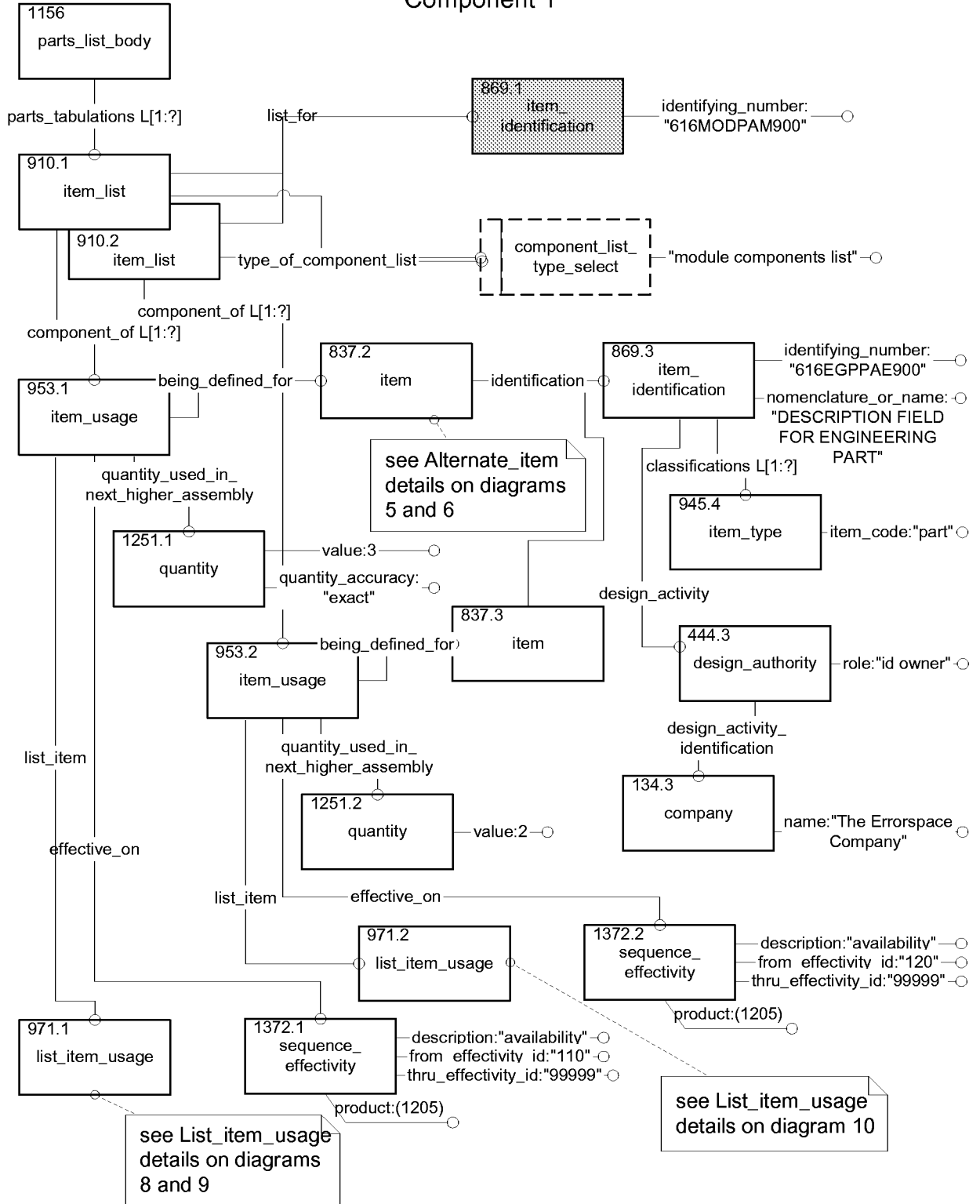


Figure E. 18 – Instance diagram 18 of 59

Test Case 4SMPL_revised diagram 5
Component 1 alternates

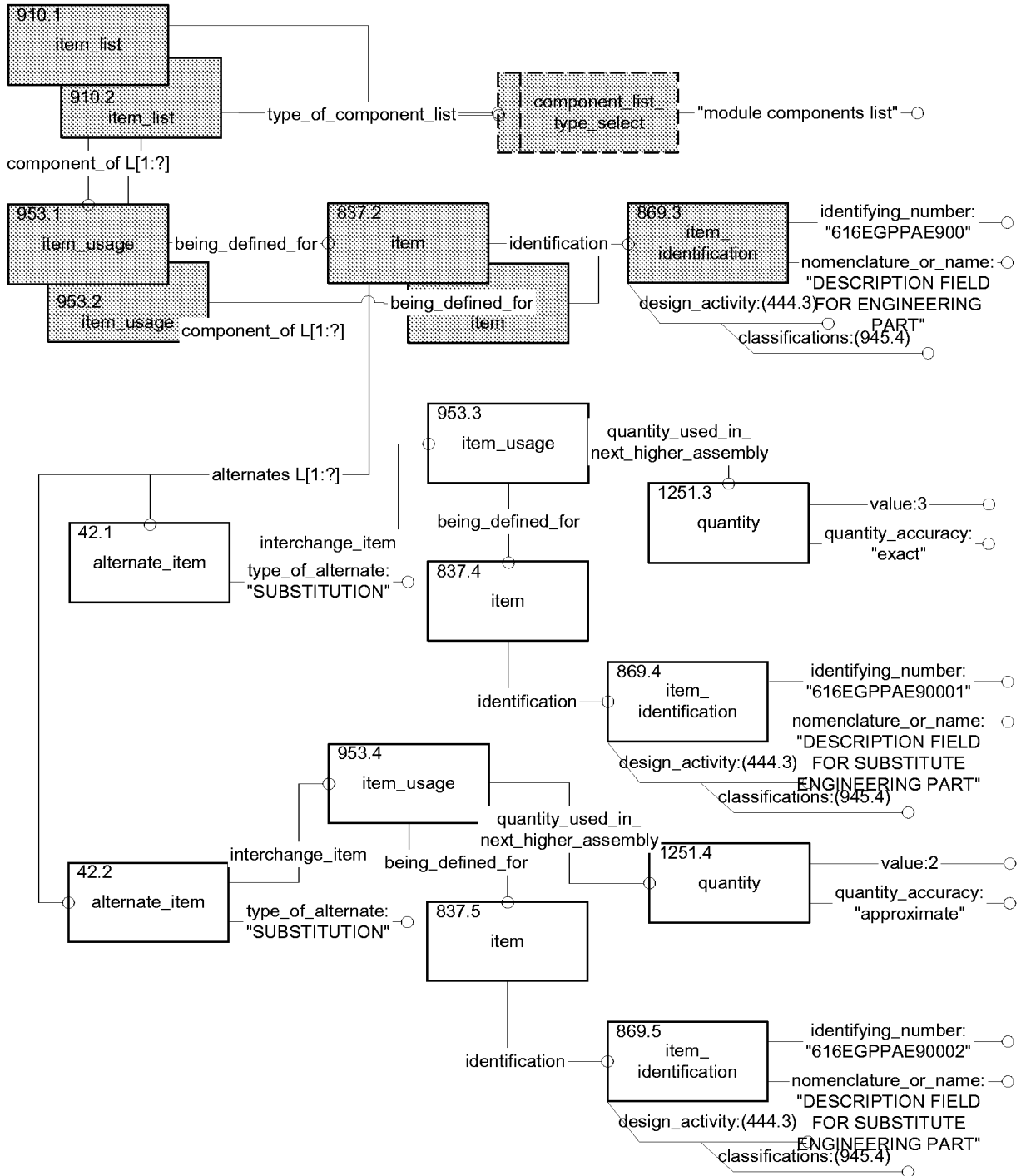


Figure E. 19 – Instance diagram 19 of 59

Test Case 4SMPL_revised diagram 6
Component 1 alternates, cont.

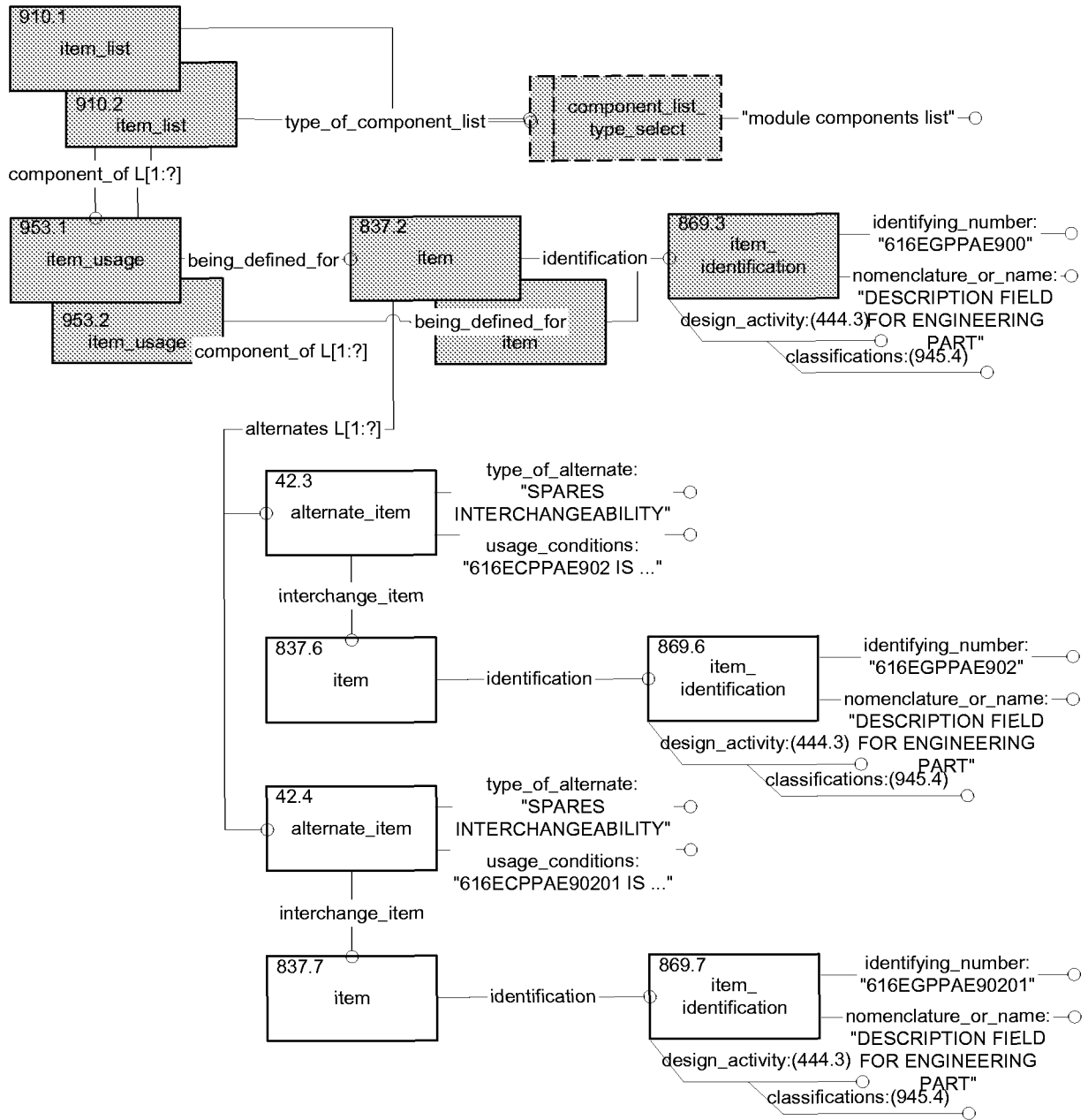


Figure E. 20 – Instance diagram 20 of 59

Test Case 4SMPL_revised diagram 7
Component 2

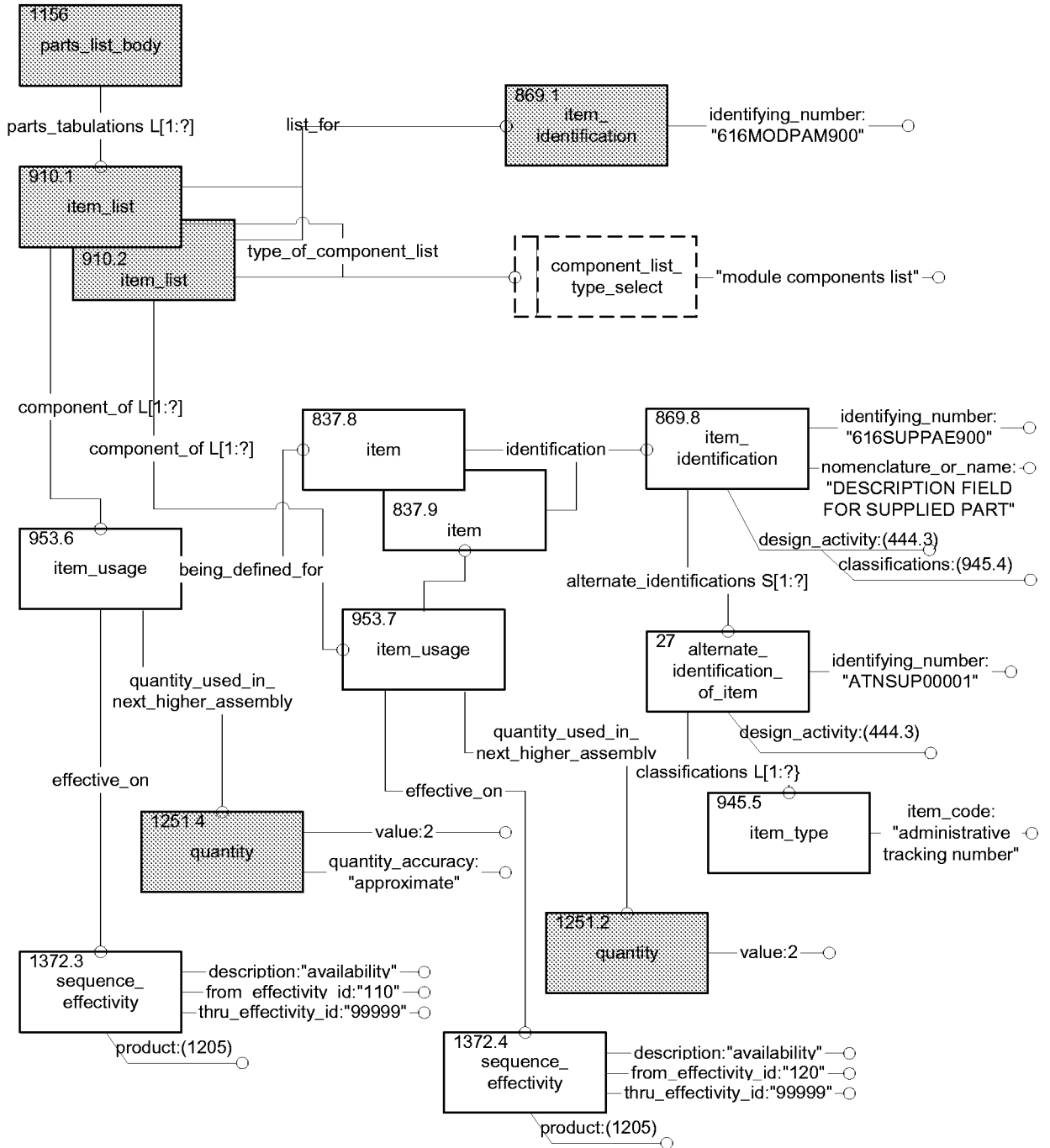


Figure E. 21 – Instance diagram 21 of 59

Test Case 4SMPL_revised diagram 8
Component 1 (E view) notes

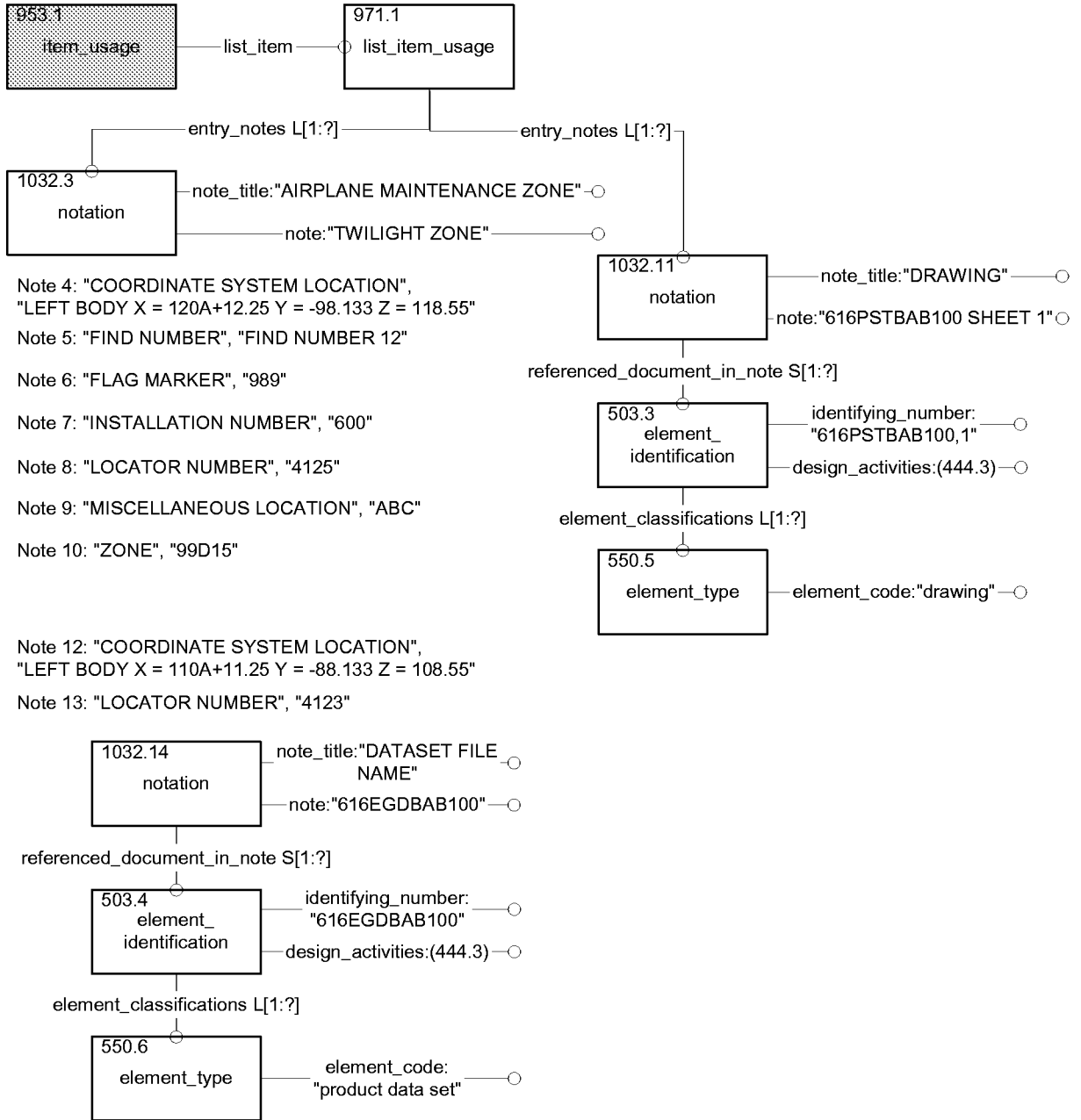


Figure E. 22 – Instance diagram 22 of 59

Test Case 4SMPL_revised diagram 9
Component 1 (E view) notes, cont.

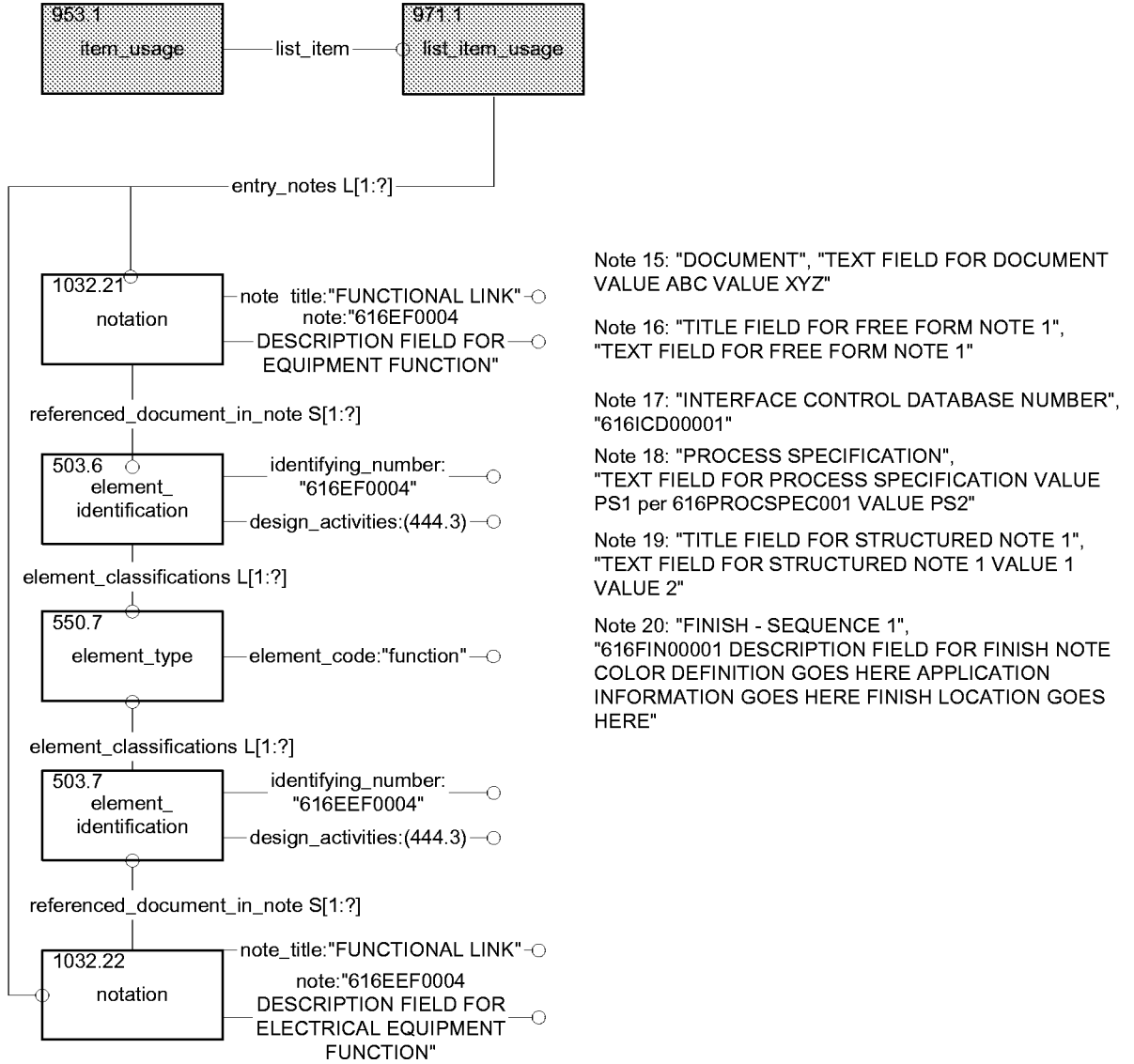


Figure E. 23 – Instance diagram 23 of 59

Test Case 4SMPL_revised diagram 10
Component 1 (M view) notes

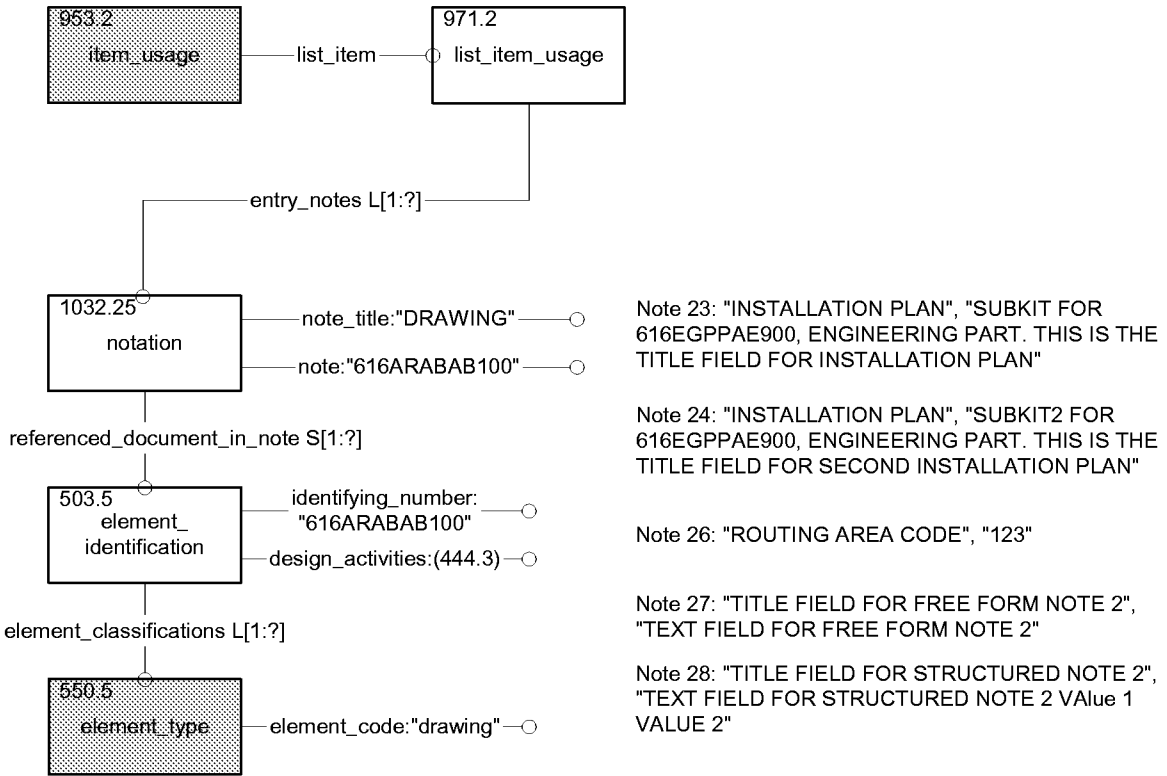


Figure E. 24 – Instance diagram 24 of 59

Test Case 4SMPL_revised diagram 11
Locator Number Table

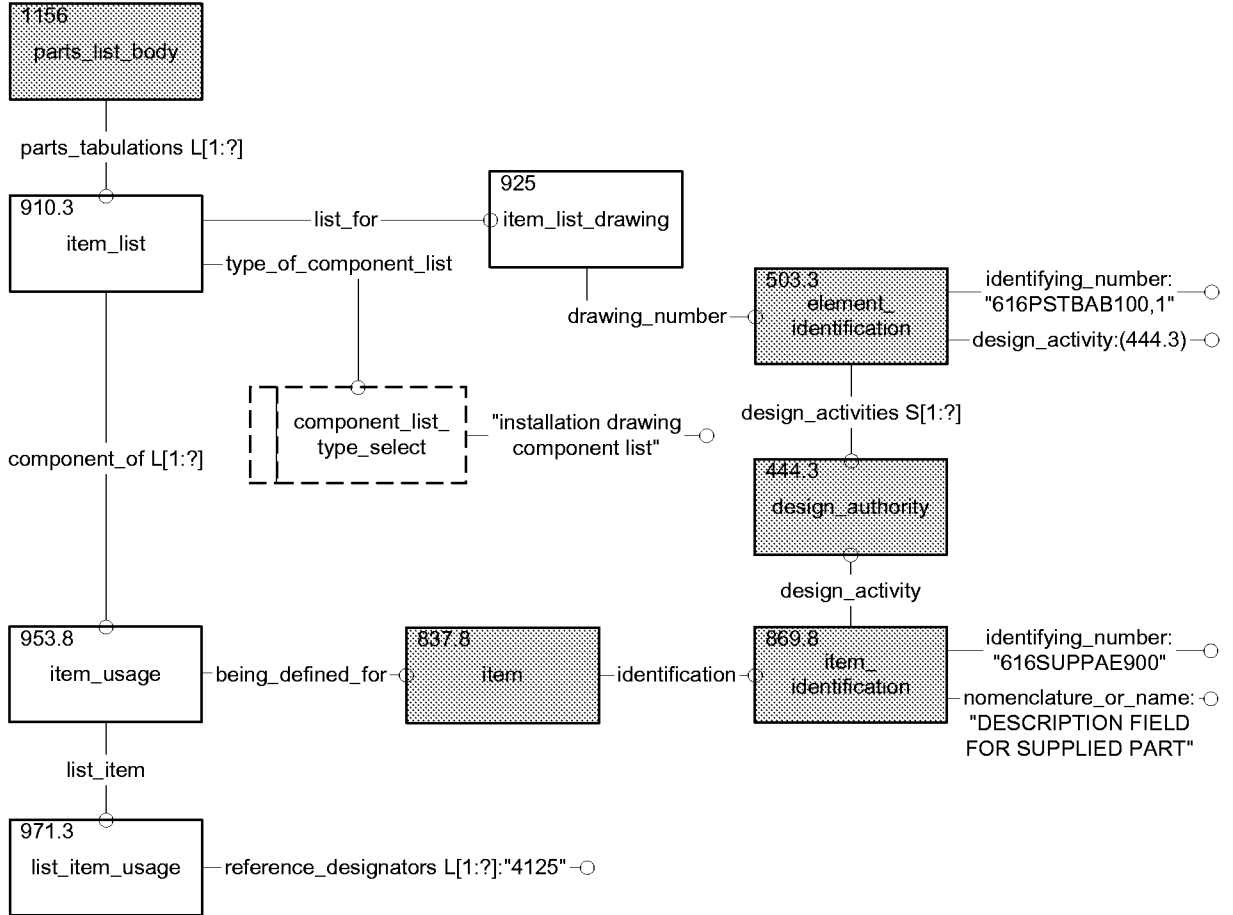


Figure E. 25 – Instance diagram 25 of 59

Test Case 4SMPL_revised diagram 12
Net Change Section

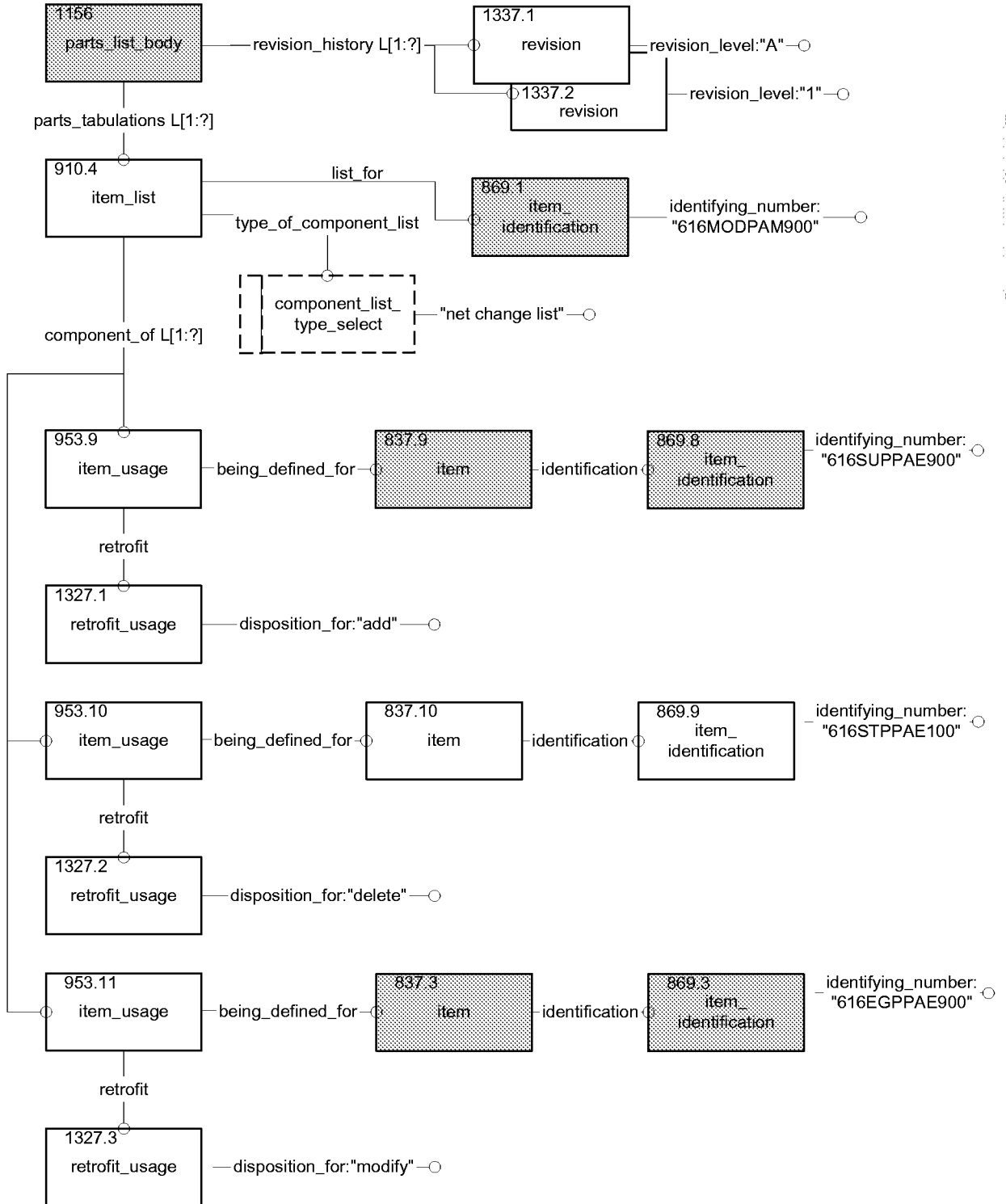


Figure E. 26 – Instance diagram 26 of 59

E.7 4SMPL_em

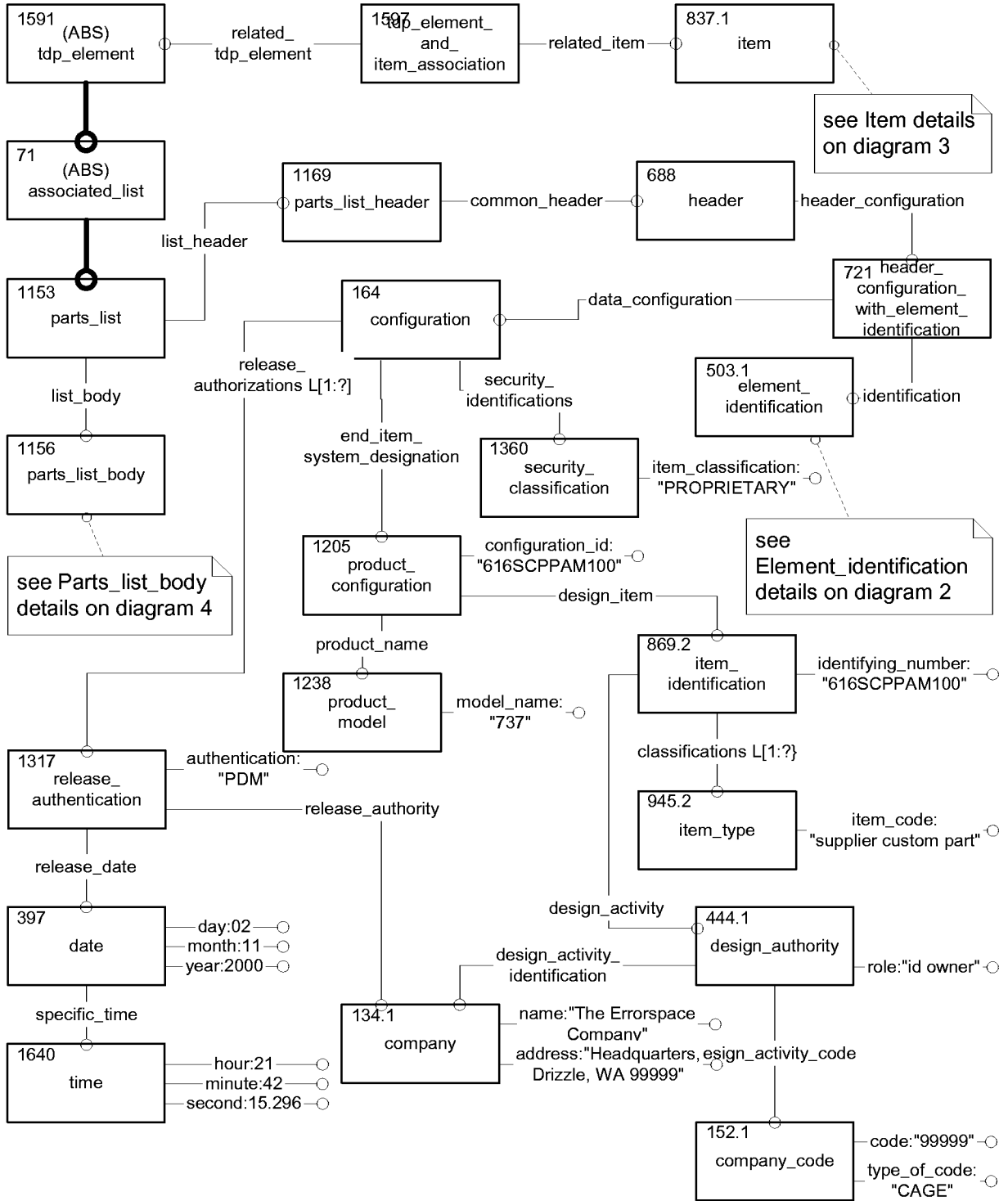


Figure E. 27 – Instance diagram 27 of 59

Test Case 4SMPL_em diagram 2
Element_identification

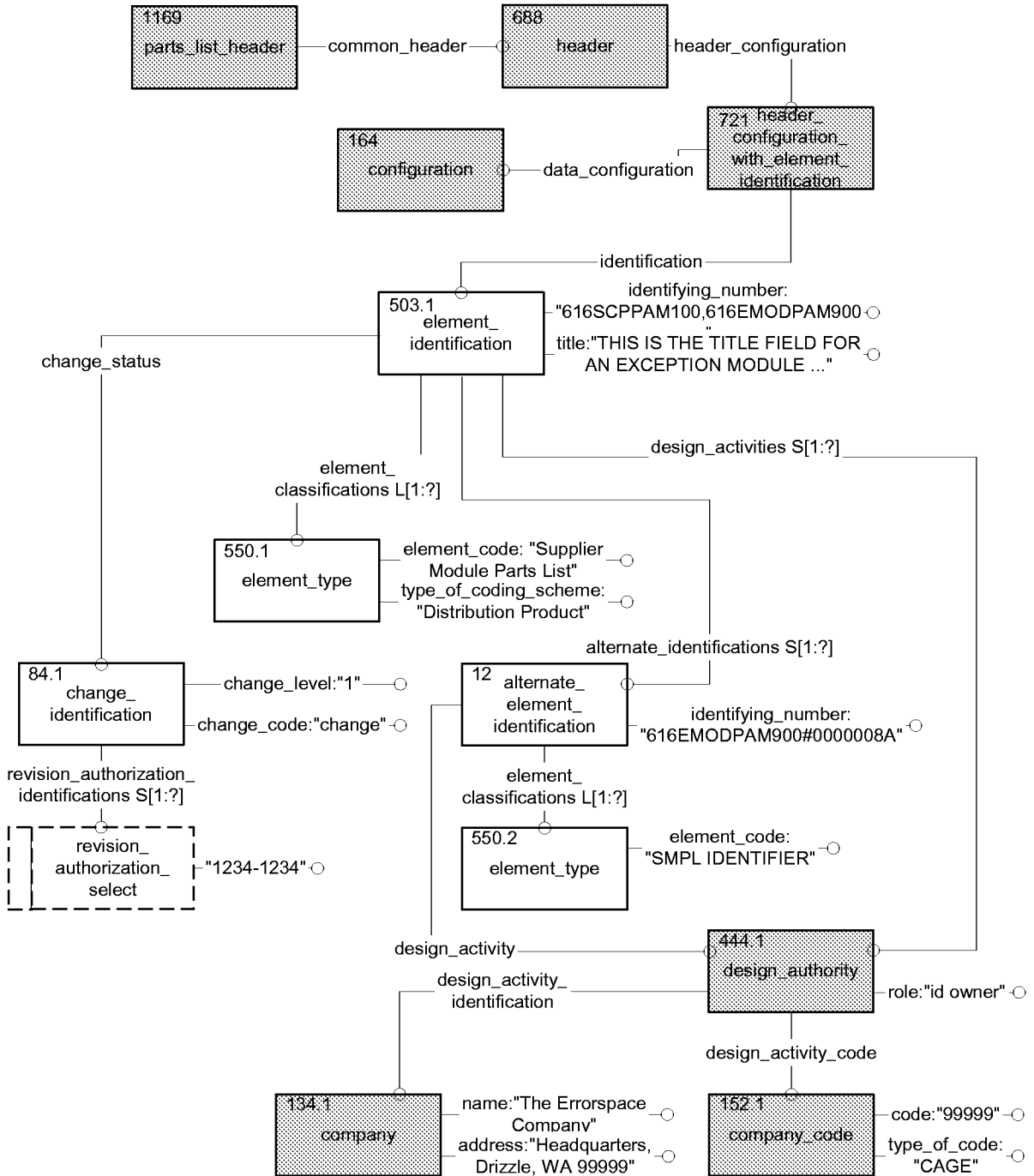


Figure E. 28 – Instance diagram 28 of 59

Test Case 4SMPL_em diagram 3
Exception Module Details

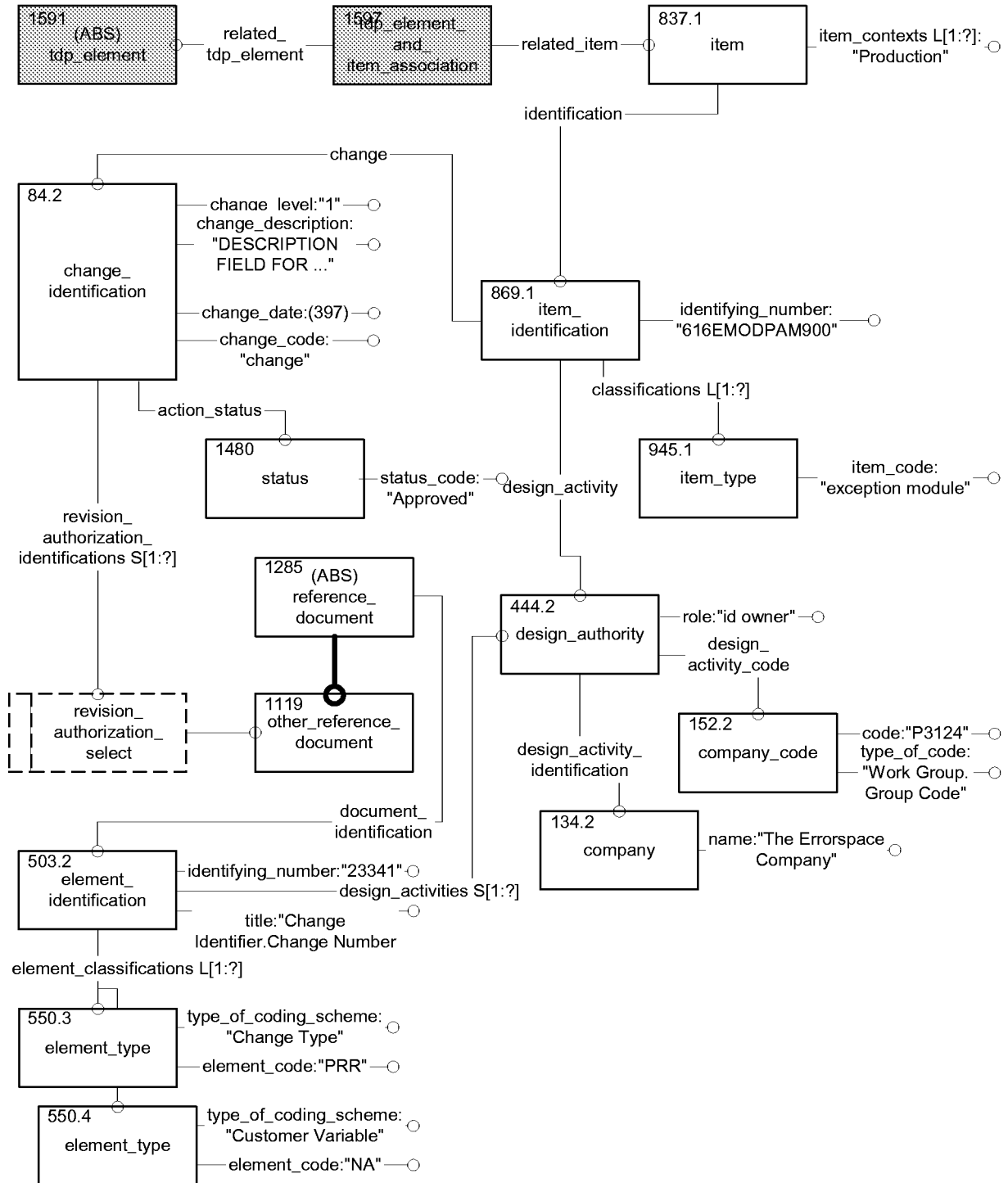


Figure E. 29 – Instance diagram 29 of 59

Test Case 4SMPL_em diagram 4
Component

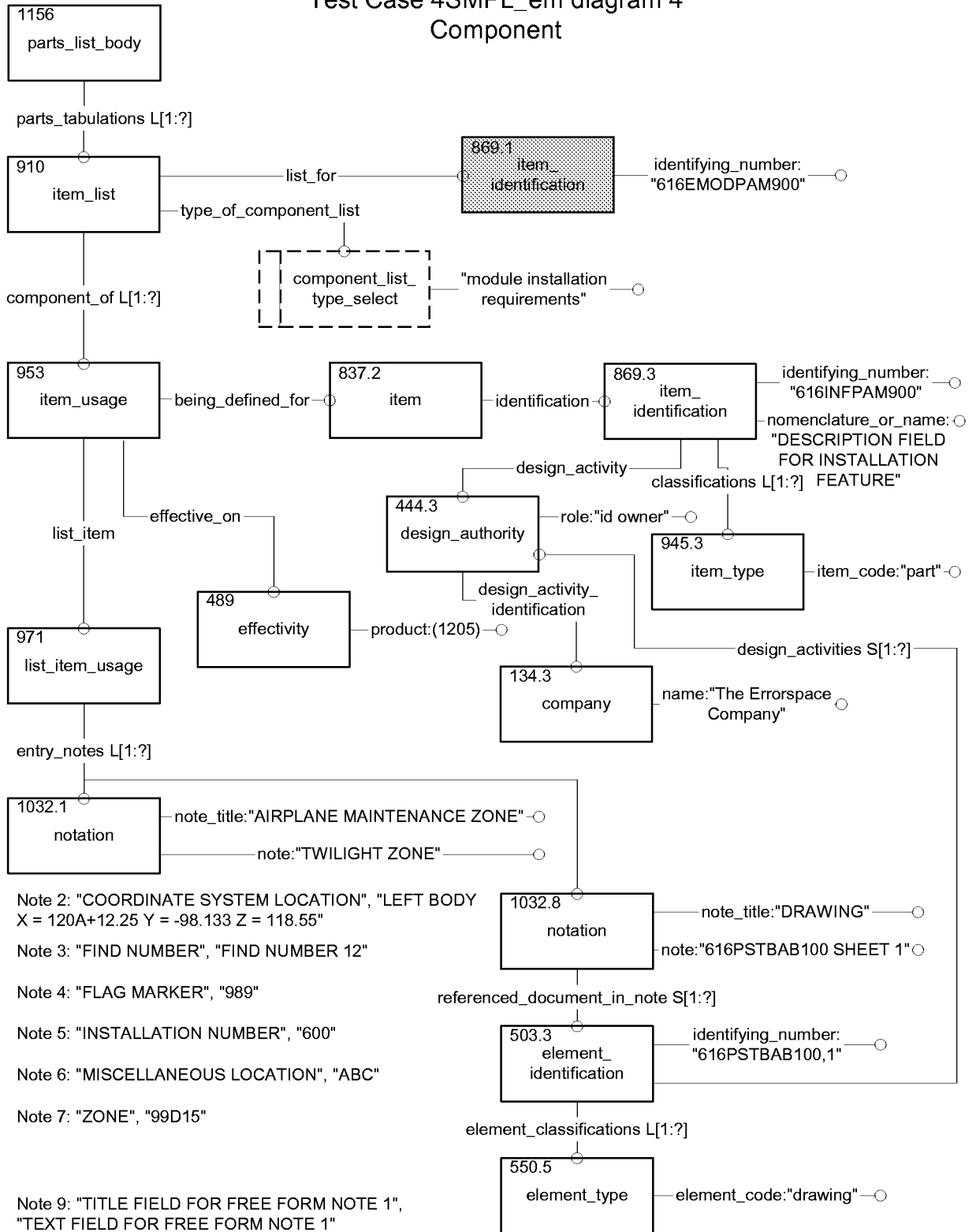


Figure E. 30 – Instance diagram 30 of 59

E.8 4SMPL_instl_rqmts

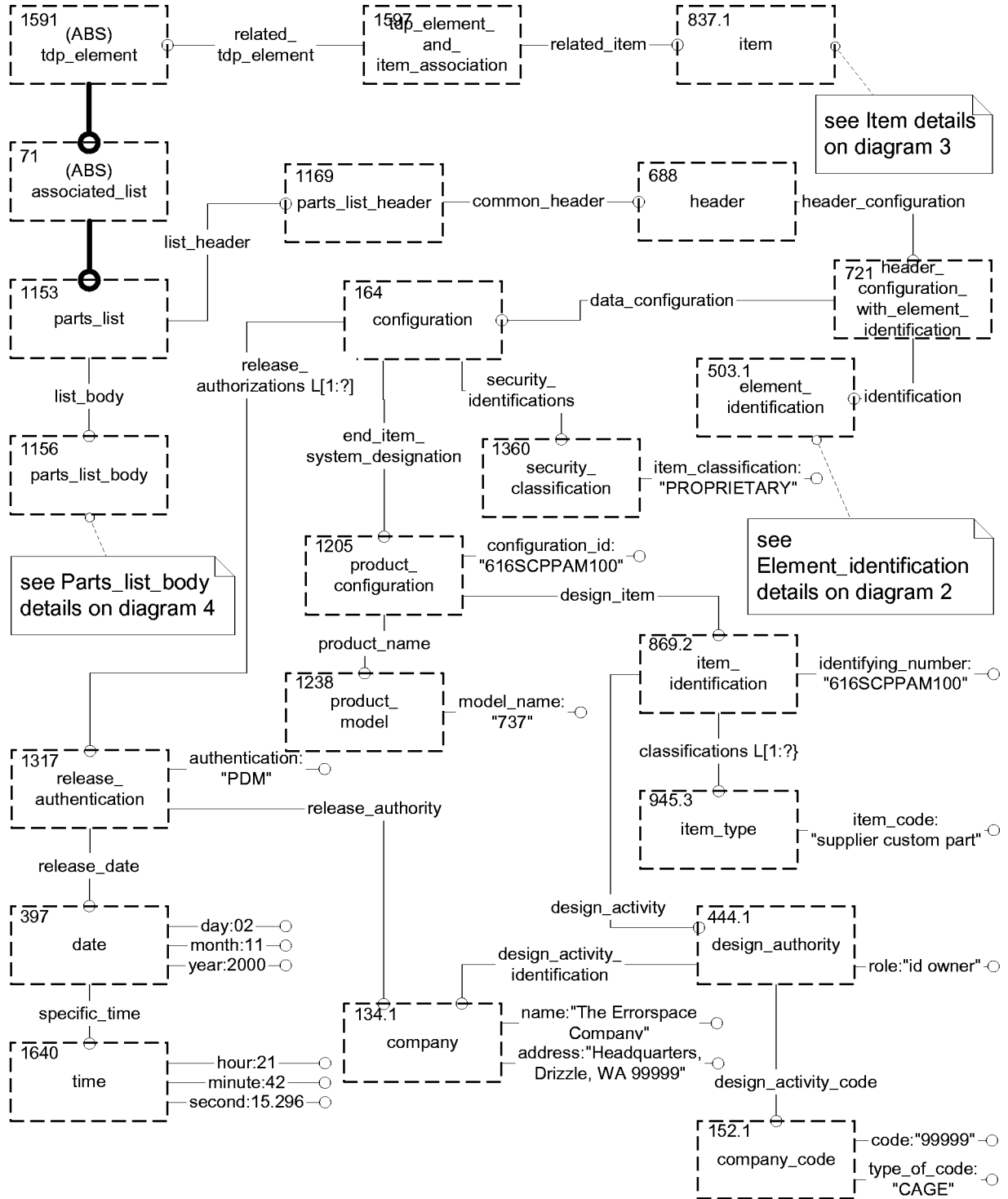


Figure E. 31 – Instance diagram 31 of 59

Test Case 4SMPL_instl_rqmts diagram 2
Element_identification

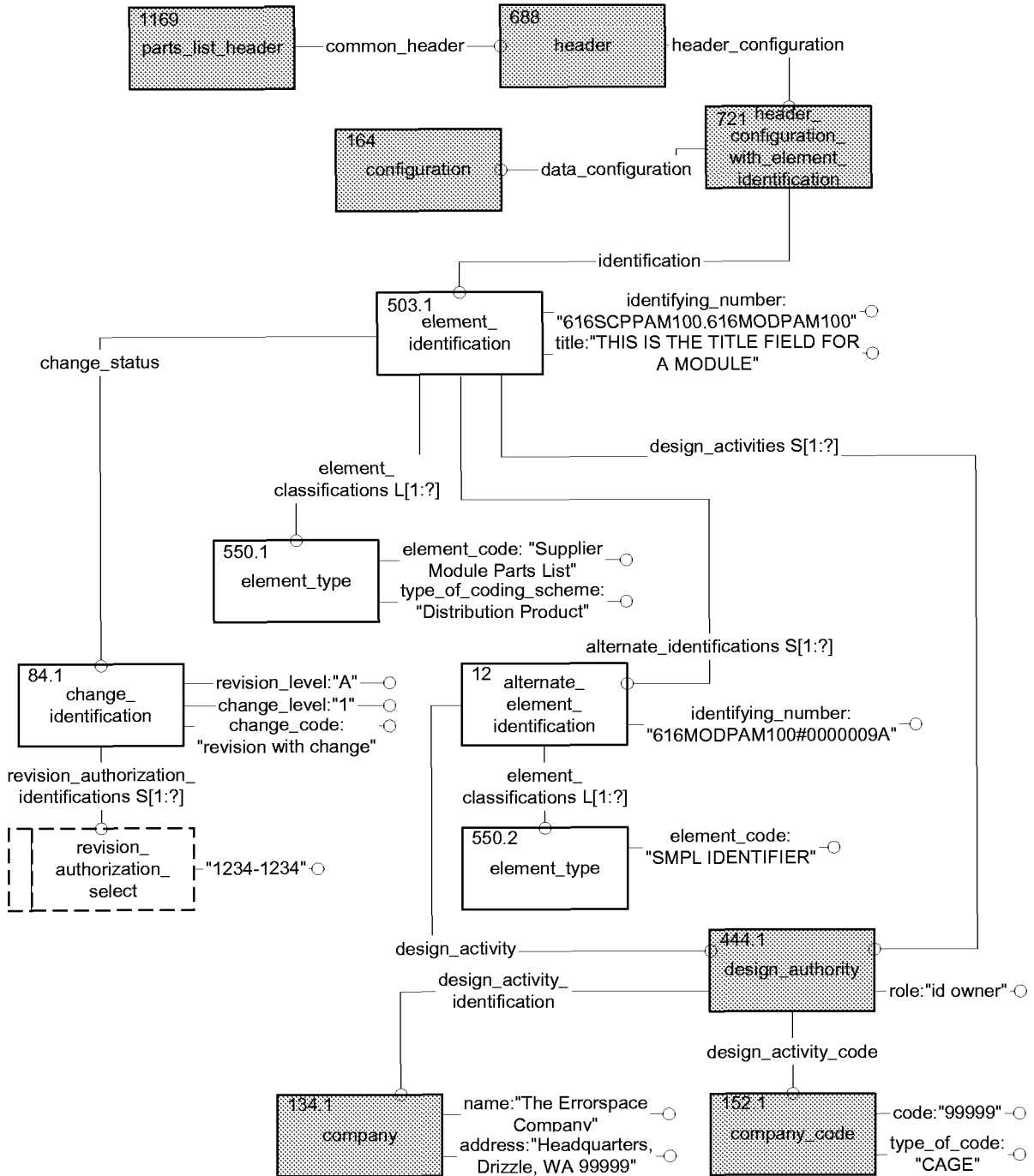


Figure E. 32 – Instance diagram 32 of 59

Test Case 4SMPL_instl_rqmts diagram 3
Module Details

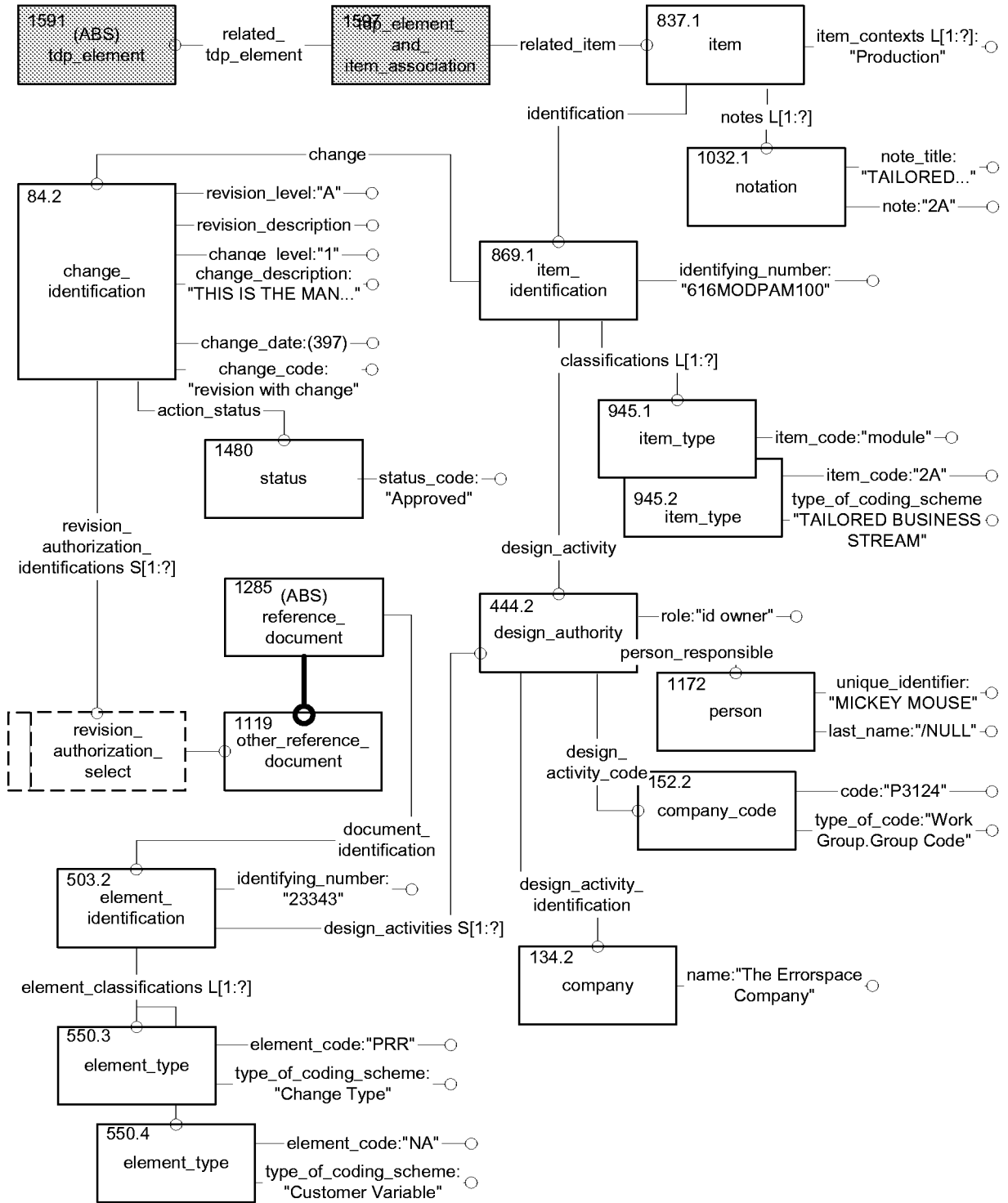


Figure E. 33 – Instance diagram 33 of 59

Test Case 4SMPL_instl_rqmts diagram 4
Installation Requirements Components

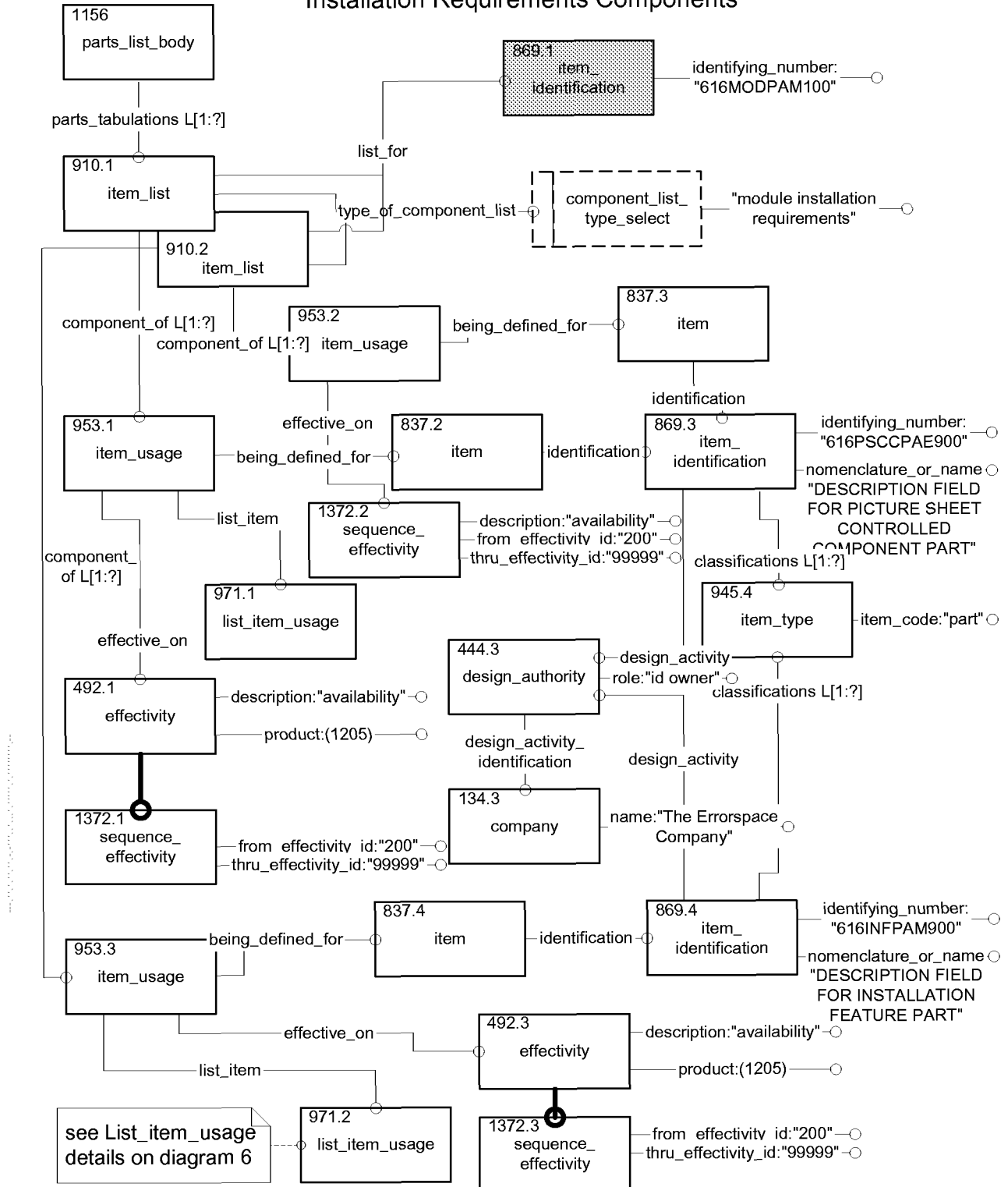


Figure E. 34 – Instance diagram 34 of 59

Test Case 4SMPL_instl_rqmts diagram 5
Component 1 notes

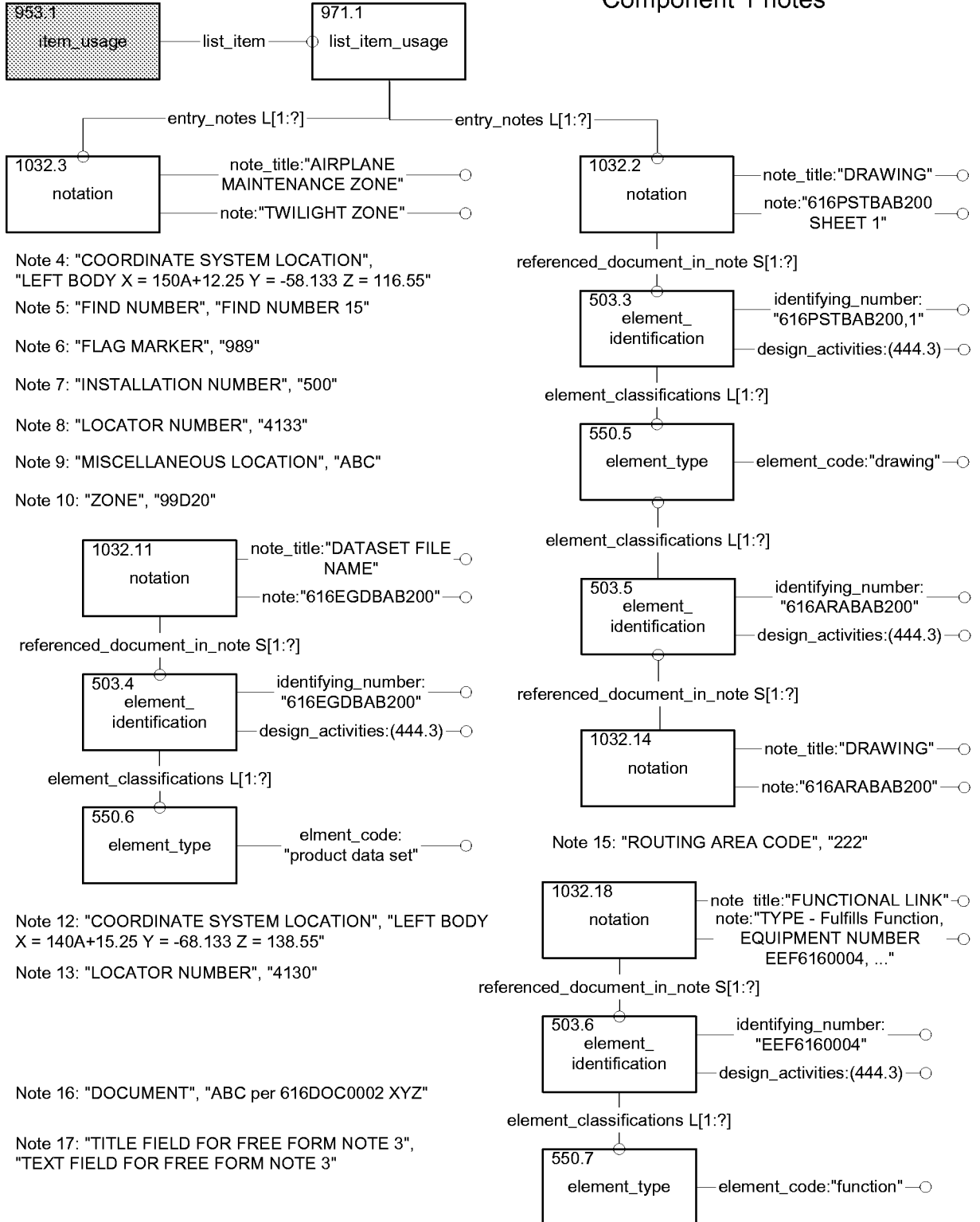


Figure E. 35 – Instance diagram 35 of 59

Test Case 4SMPL_instl_rqmts diagram 6
Component 2 notes

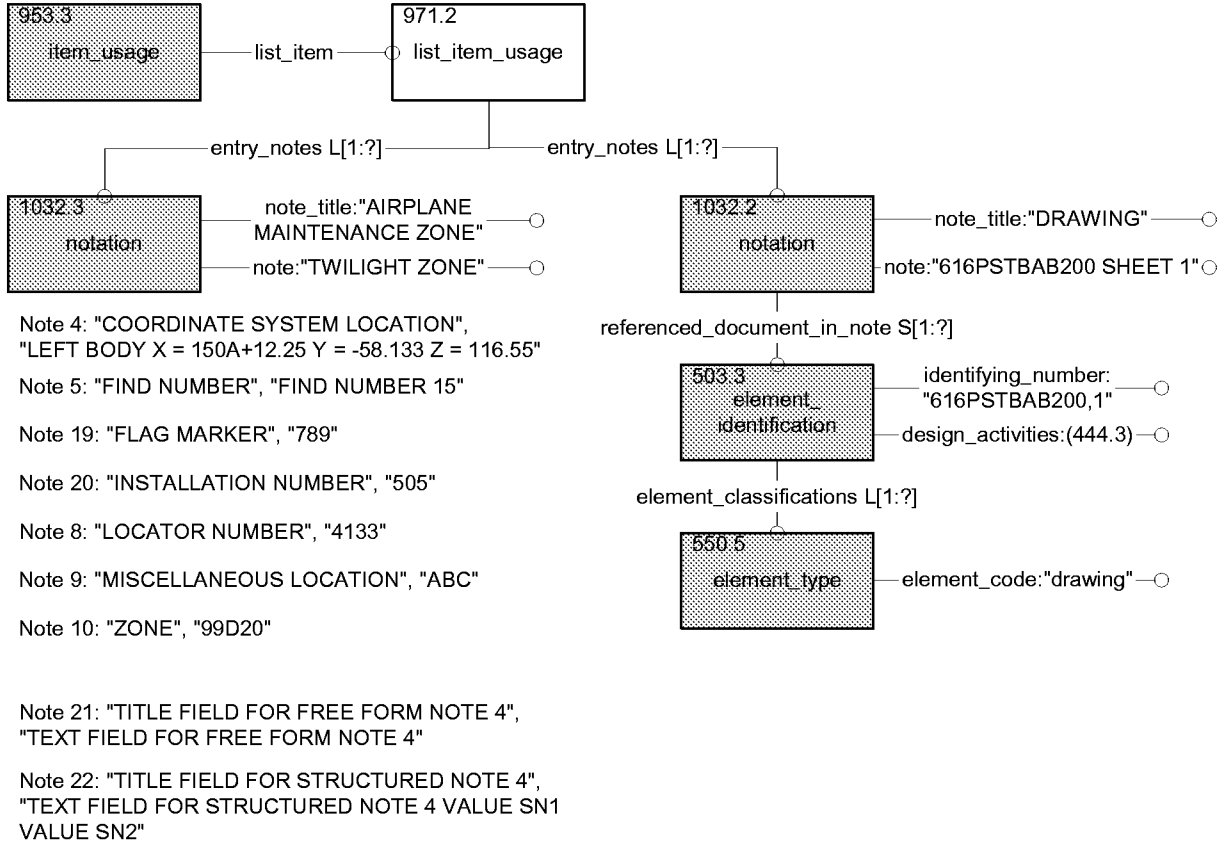


Figure E. 36 – Instance diagram 36 of 59

Test Case 4SMPL_instl_rqmts diagram 7
Ordinary Component

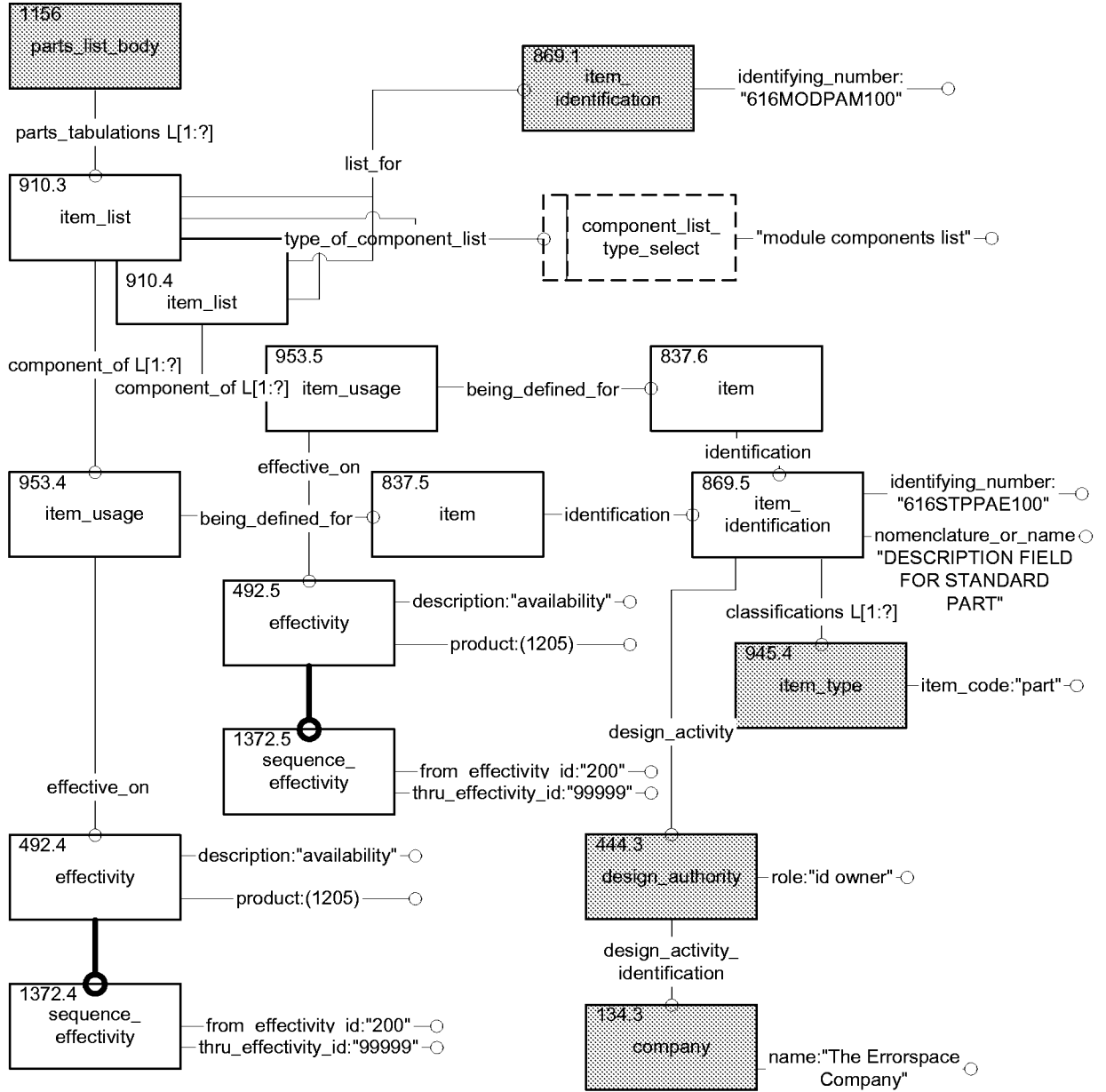


Figure E. 37 – Instance diagram 37 of 59

E.9 4SMPL_developmental

Test Case 4SMPL_developmental diagram 1
Supplier Module Parts List with one of each type of object

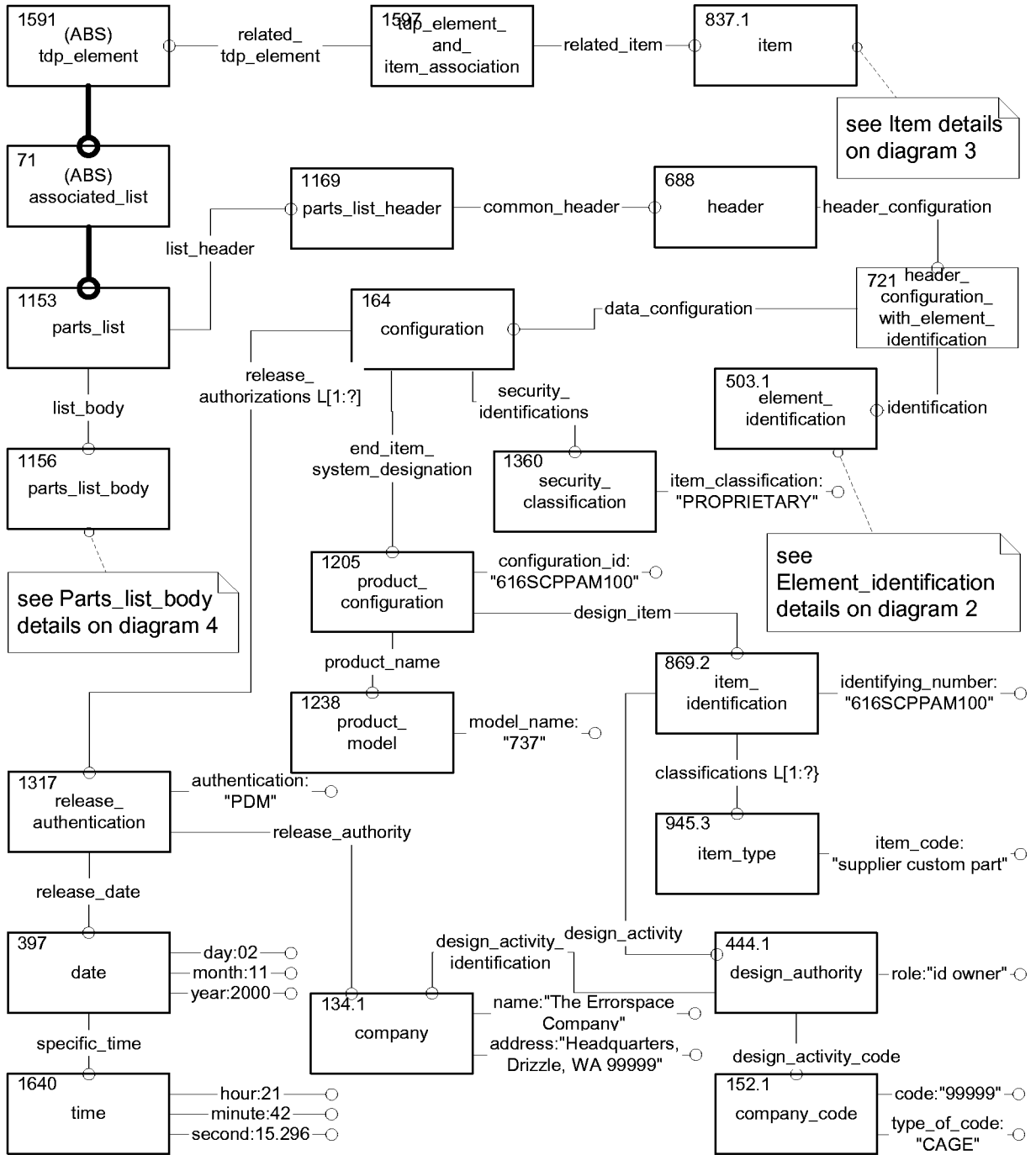


Figure E. 39 – Instance diagram 39 of 59

Test Case 4SMPL_developmental diagram 2
Element_identification

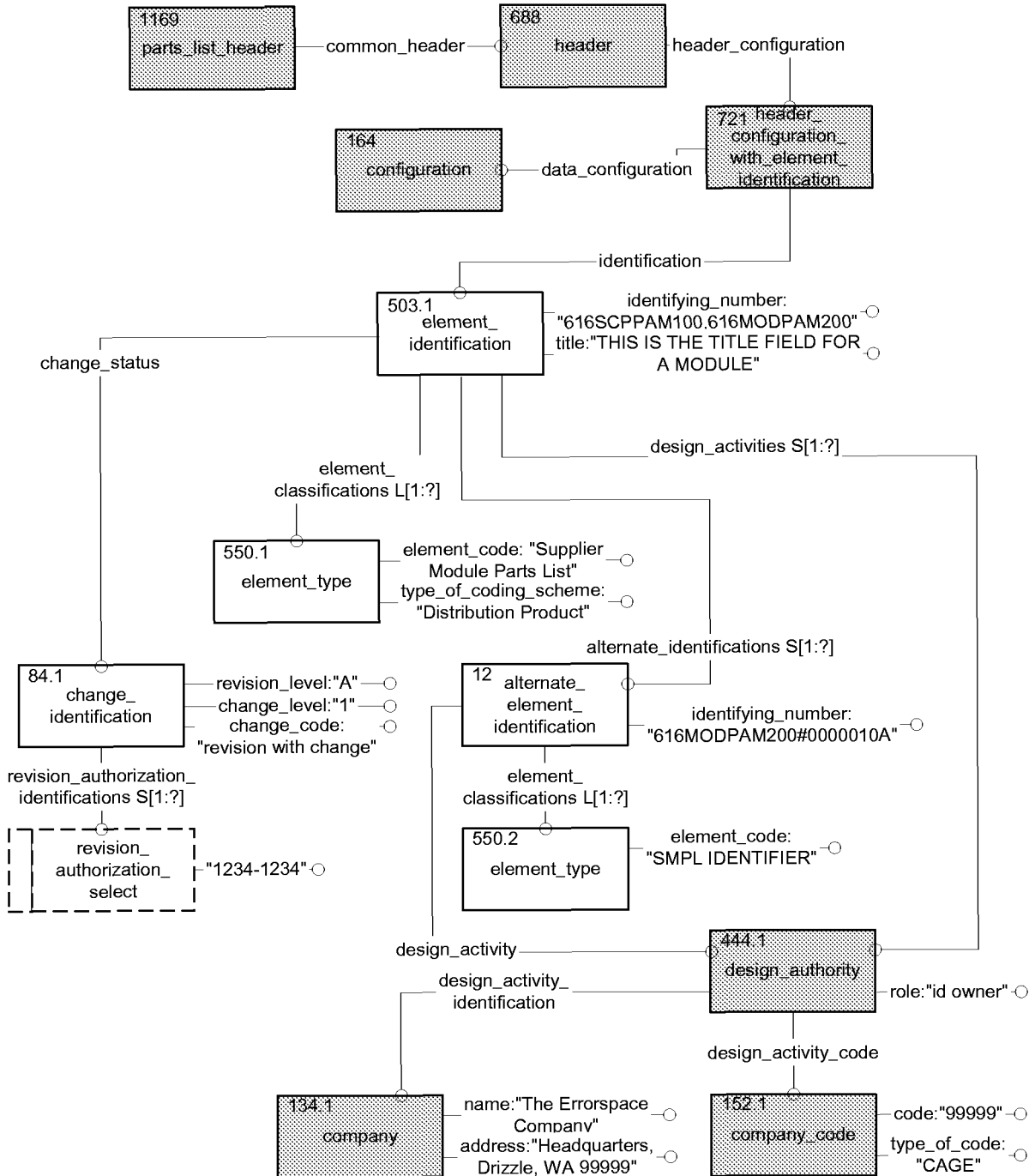


Figure E. 40 – Instance diagram 40 of 59

Test Case 4SMPL_developmental diagram 3
Module Details

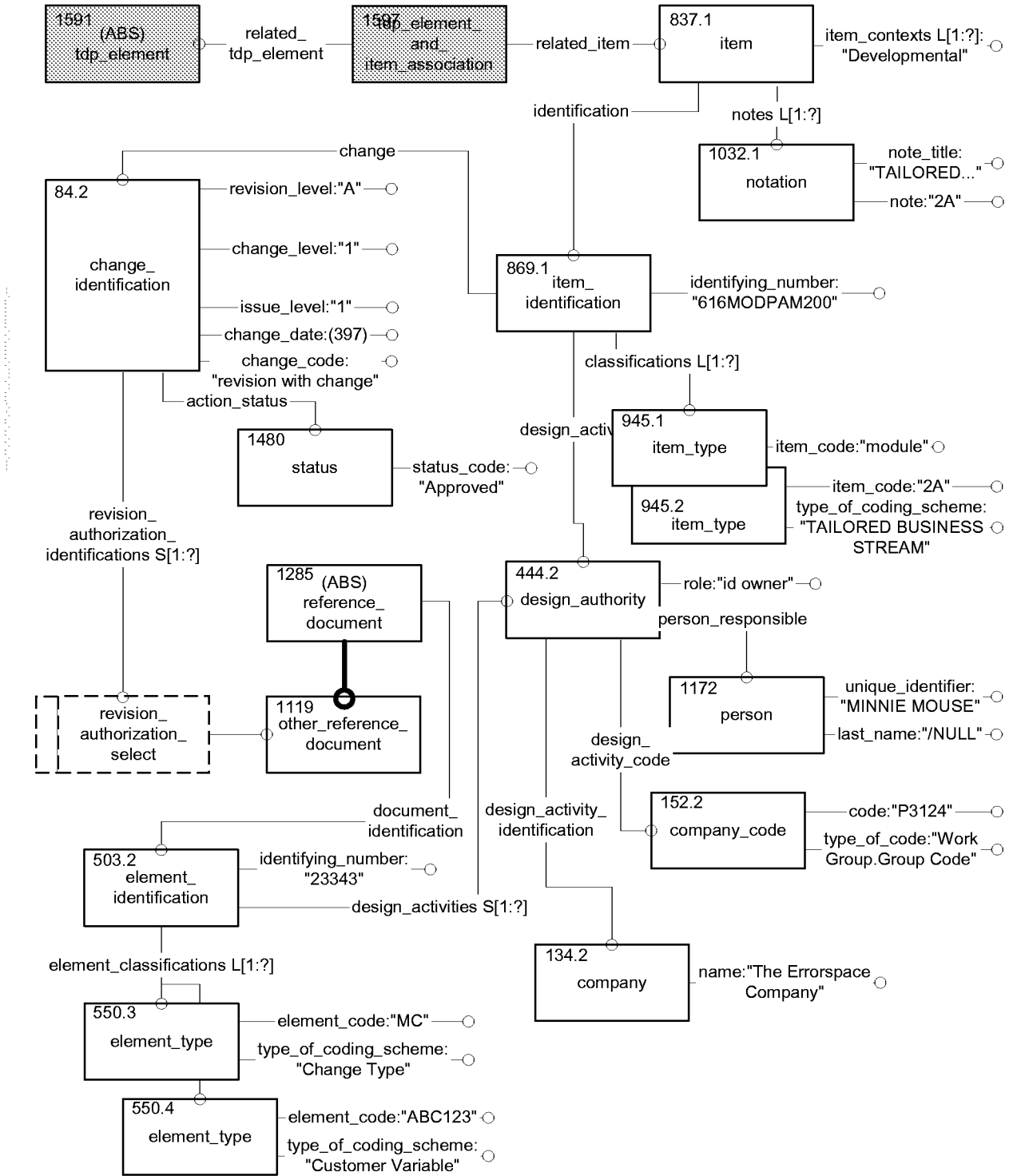


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Test Case 4SMPL_developmental diagram 4
Component

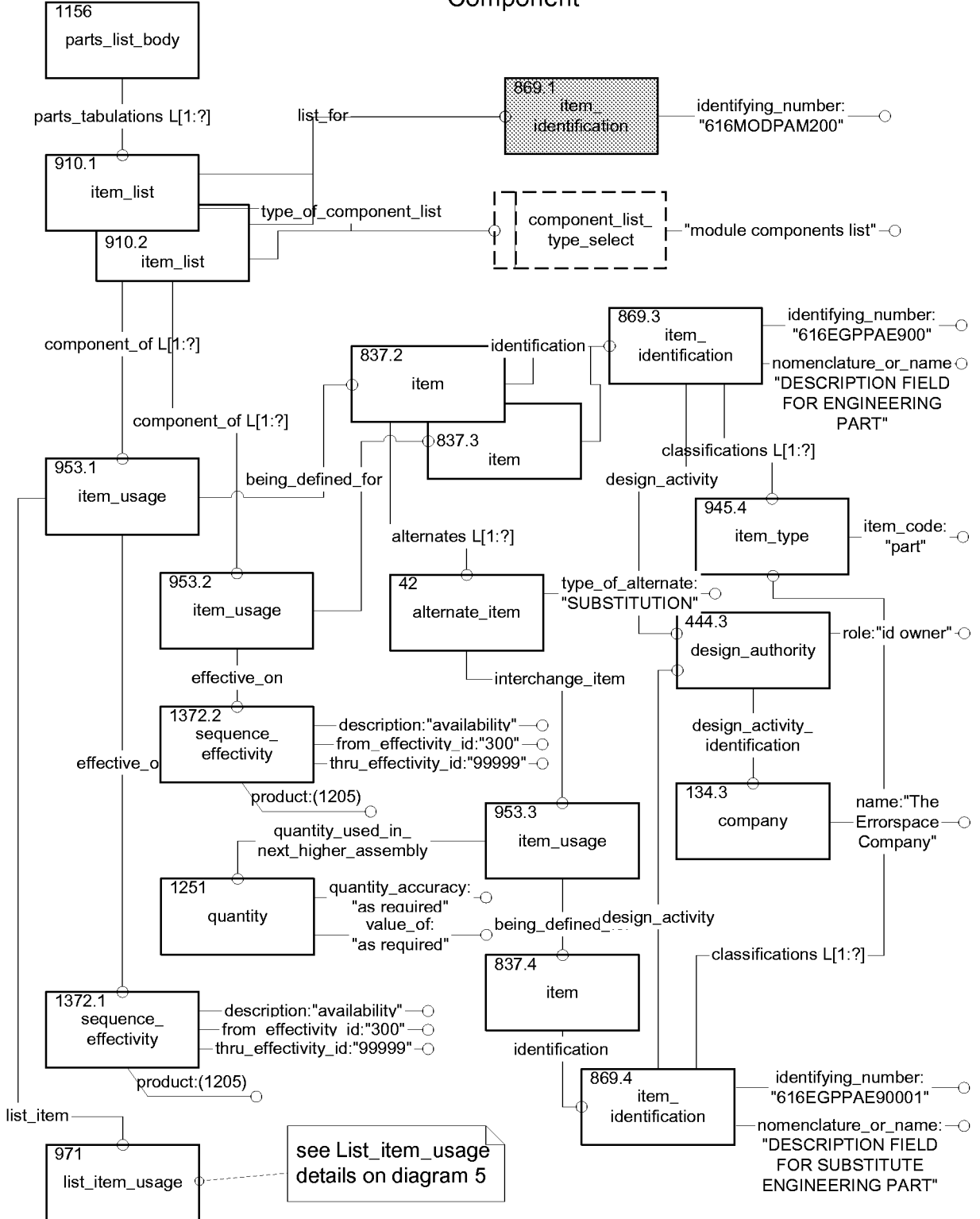


Figure E. 42 – Instance diagram 42 of 59

Test Case 4SMPL_developmental diagram 5
Component notes

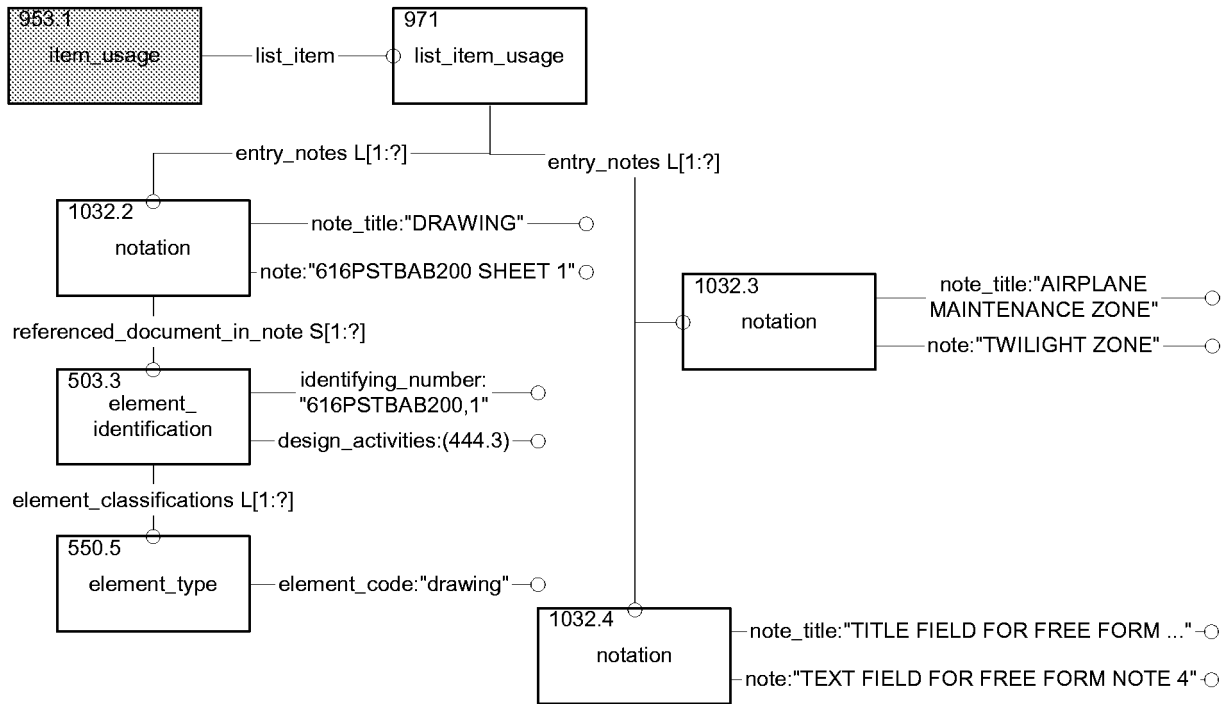


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E.10 6UoF_IDL1

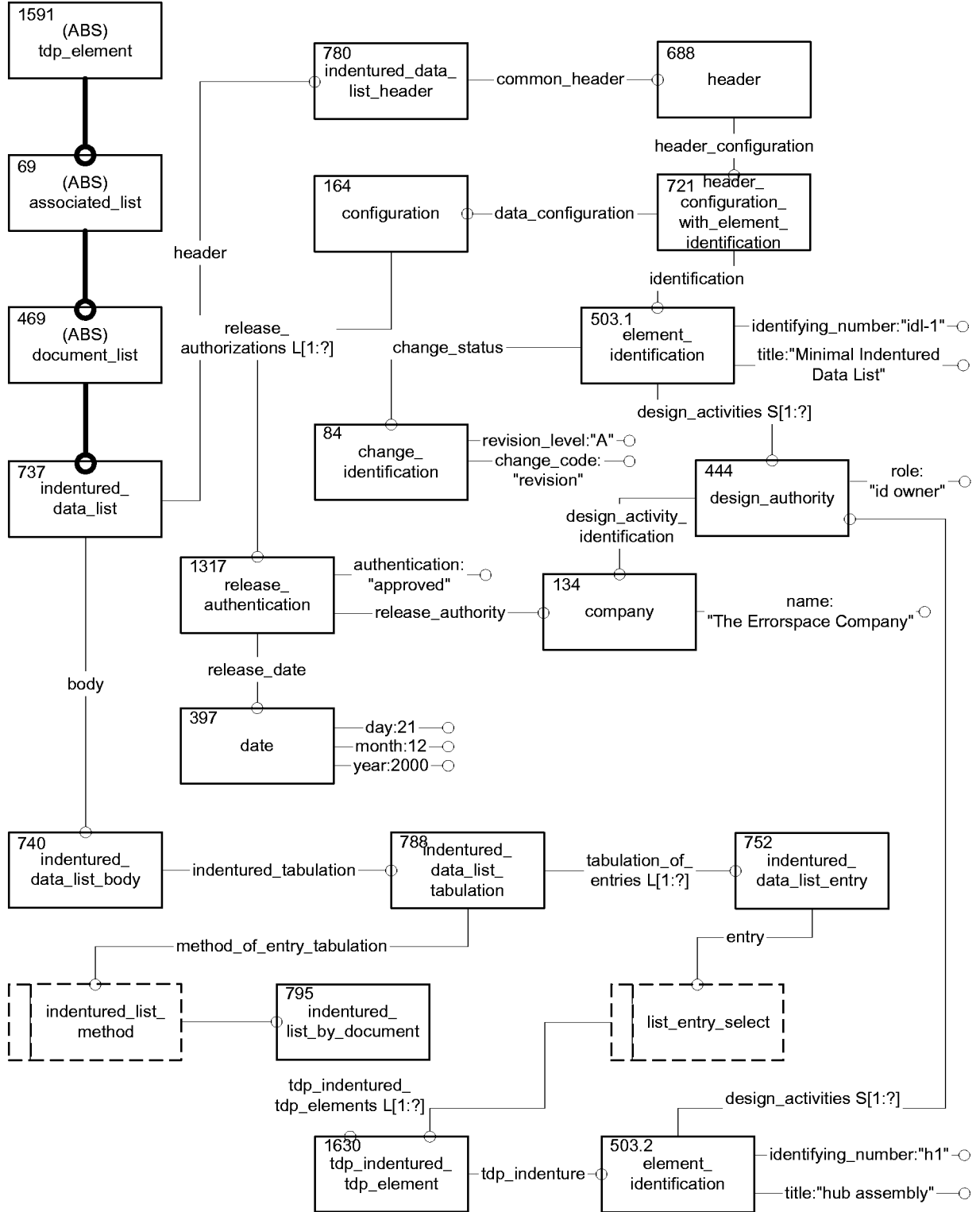


Figure E. 44 – Instance diagram 44 of 59

E.11 6UoF_IDL2

Test Case 6UoFIDL2
Minimal Indentured Data List

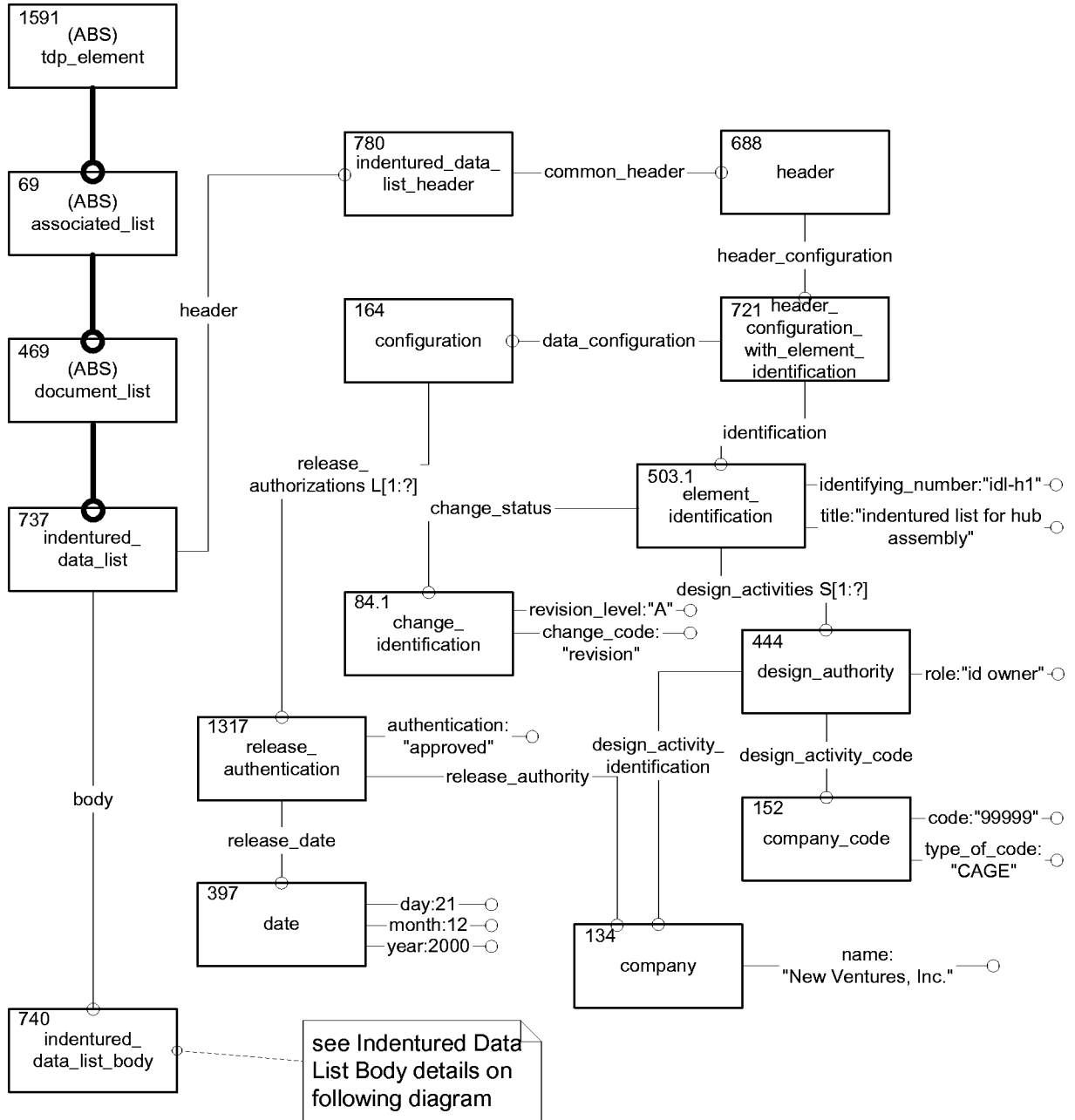


Figure E. 45 – Instance diagram 45 of 59

Test Case 6UoFIDL2: Indentured Tabulation

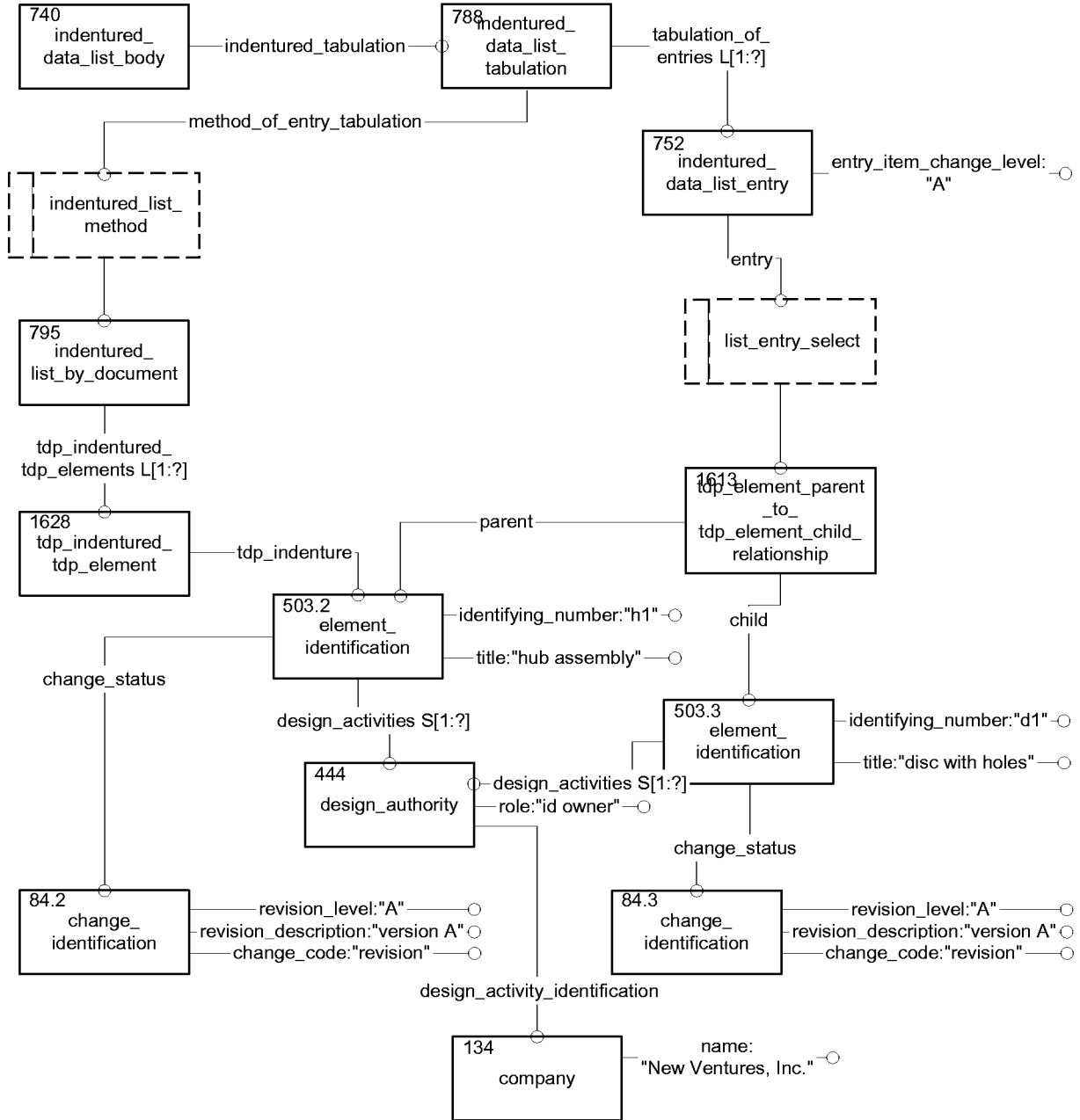


Figure E. 46 – Instance diagram 46 of 59

E.12 6SCML_initial

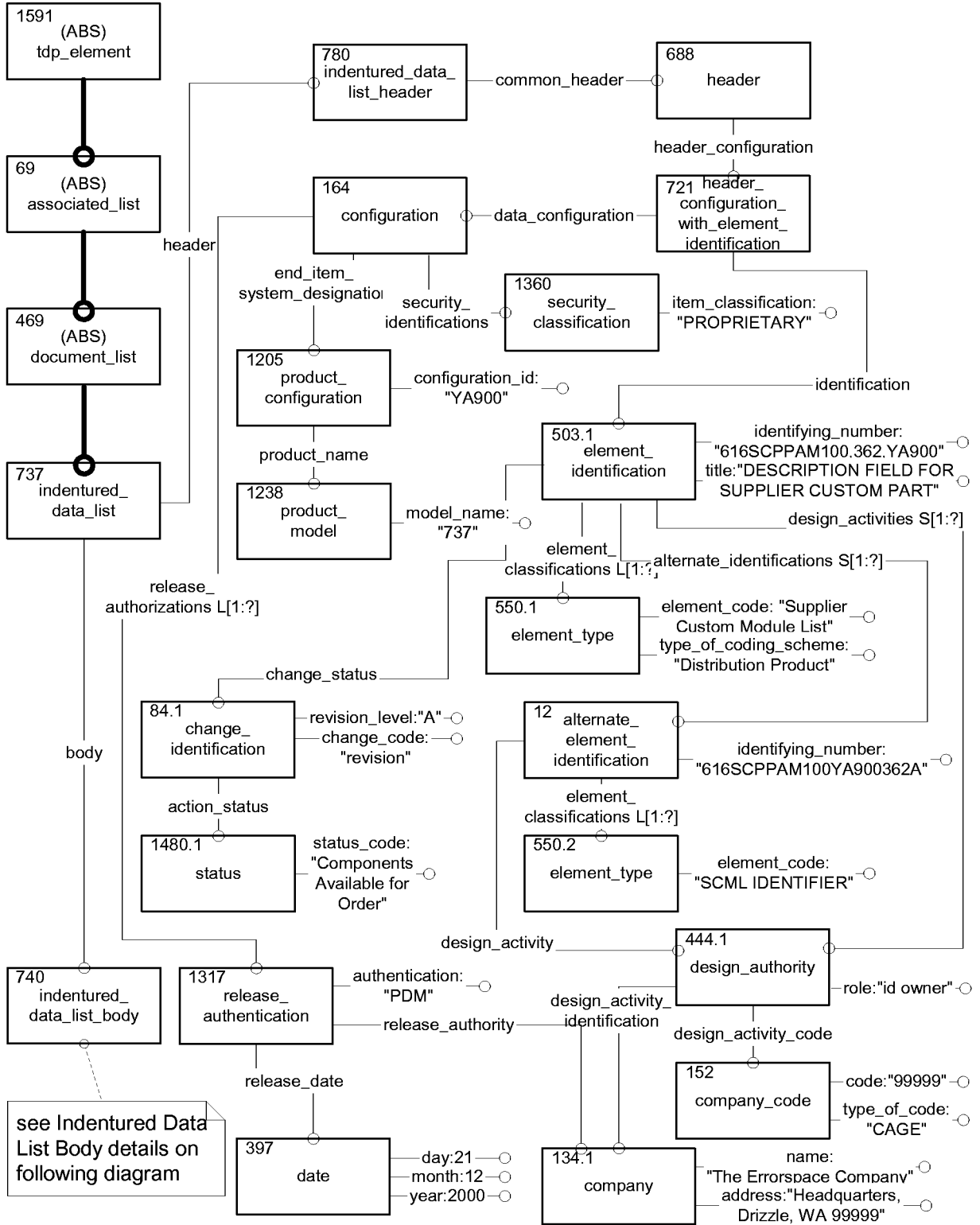


Figure E. 47 – Instance diagram 47 of 59

Test Case 6SCML_initial:
Body Section with component 1

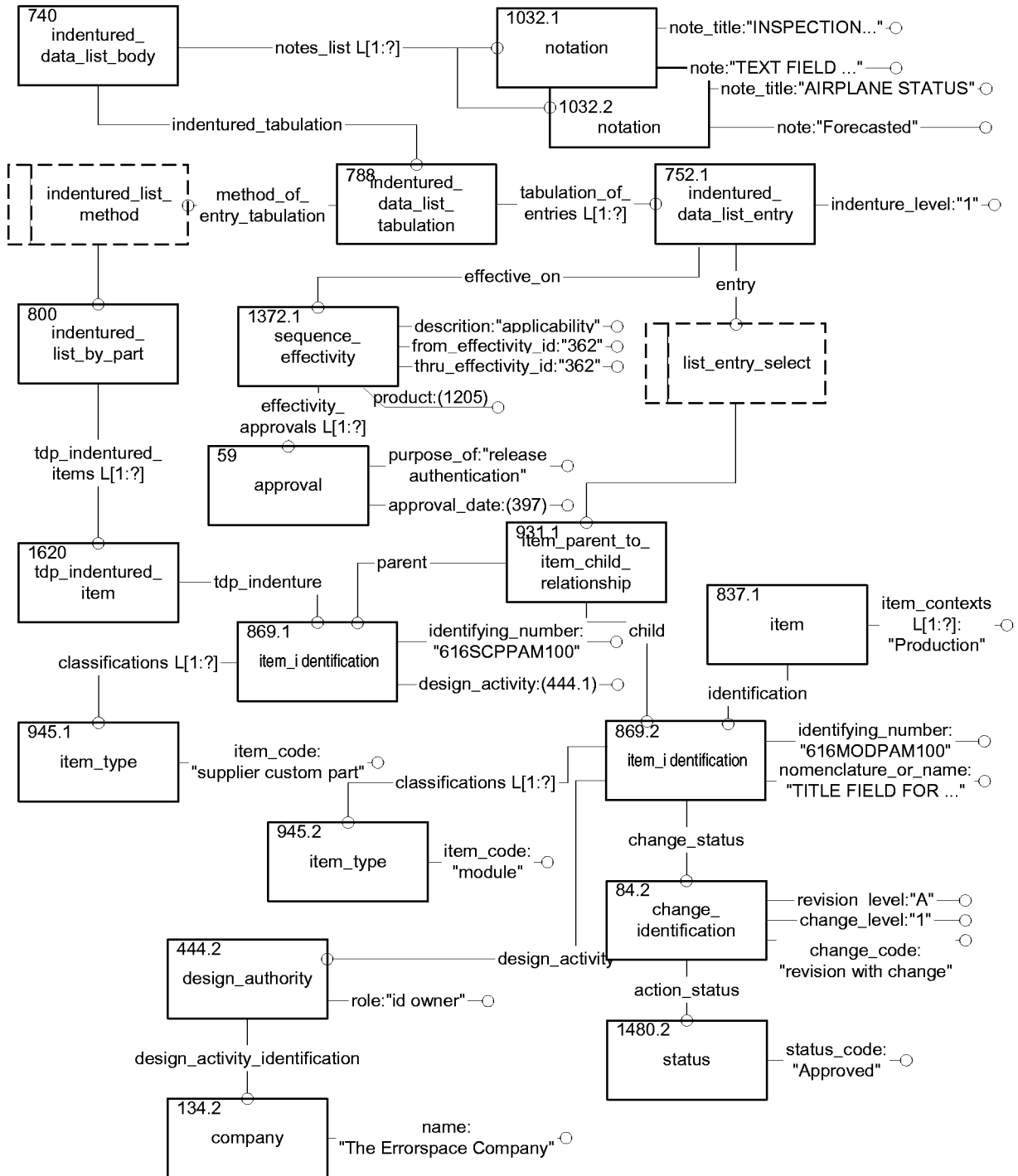
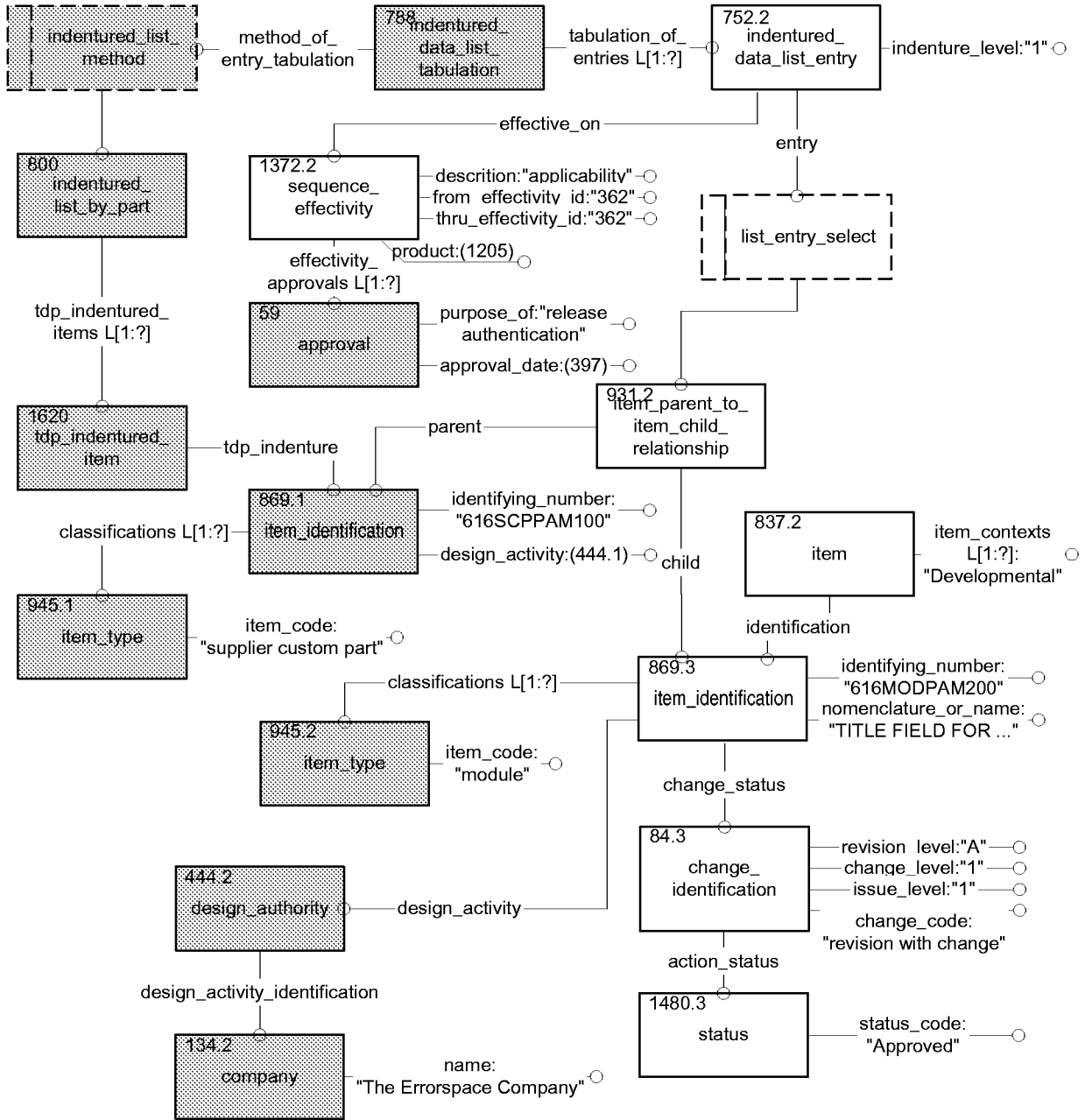


Figure E. 48 – Instance diagram 48 of 59

Test Case 6SCML_initial: Components 2 and 3



Component 3 consists of: 752.3, 837.3 (with `item_contexts = "Production"`), 931.3, 1372.3, 869.4 (with `identifying_number = "616MODPAM900"`) and 84.2

Figure E. 49 – Instance diagram 49 of 59

Test Case 6SCML_initial: Component 4

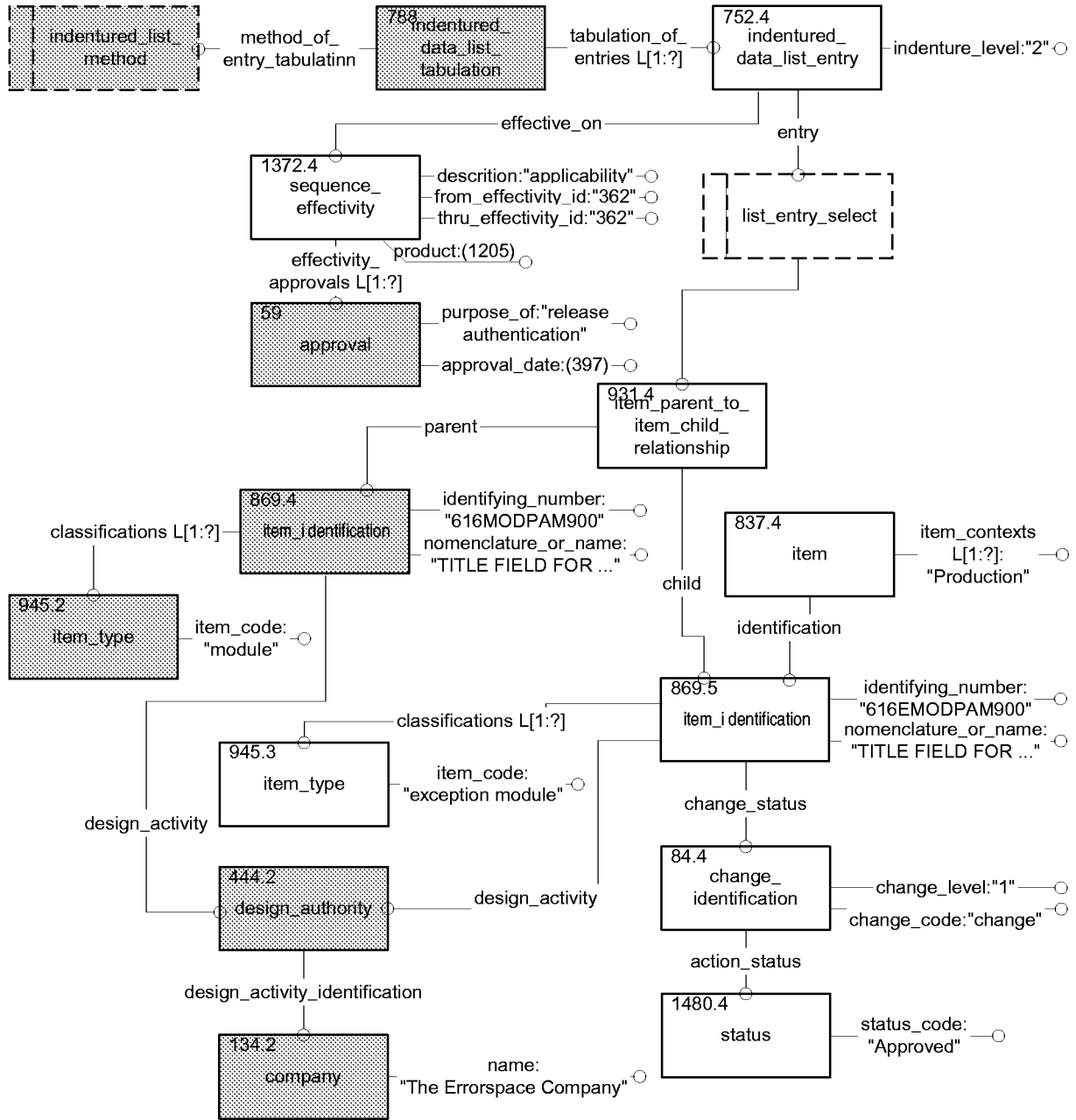


Figure E. 50 – Instance diagram 50 of 59

Test Case 6SCML_<all>:
Standard Notes

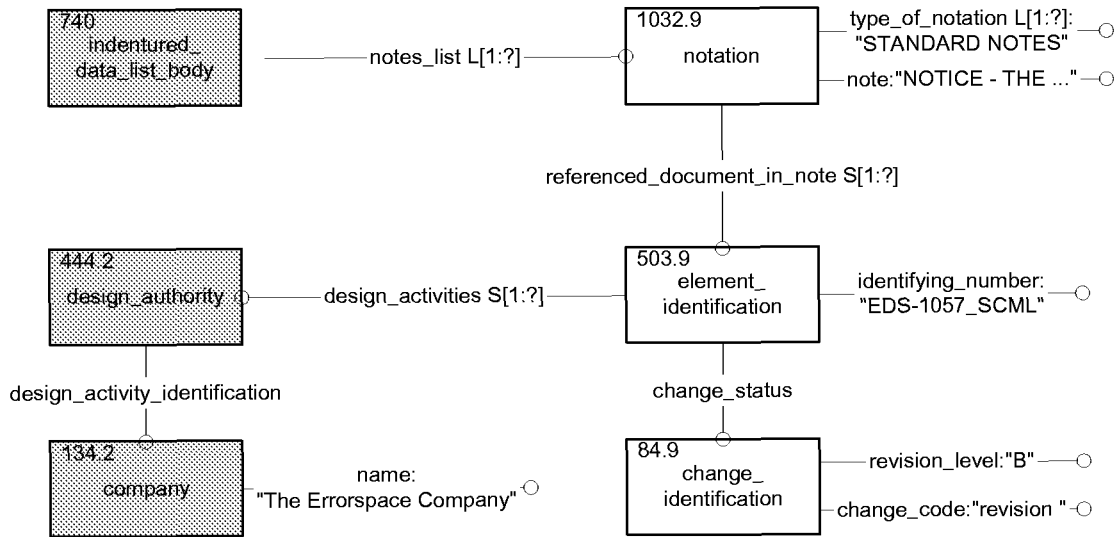


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Test Case 6SCML_revised:
Body Section with component 1

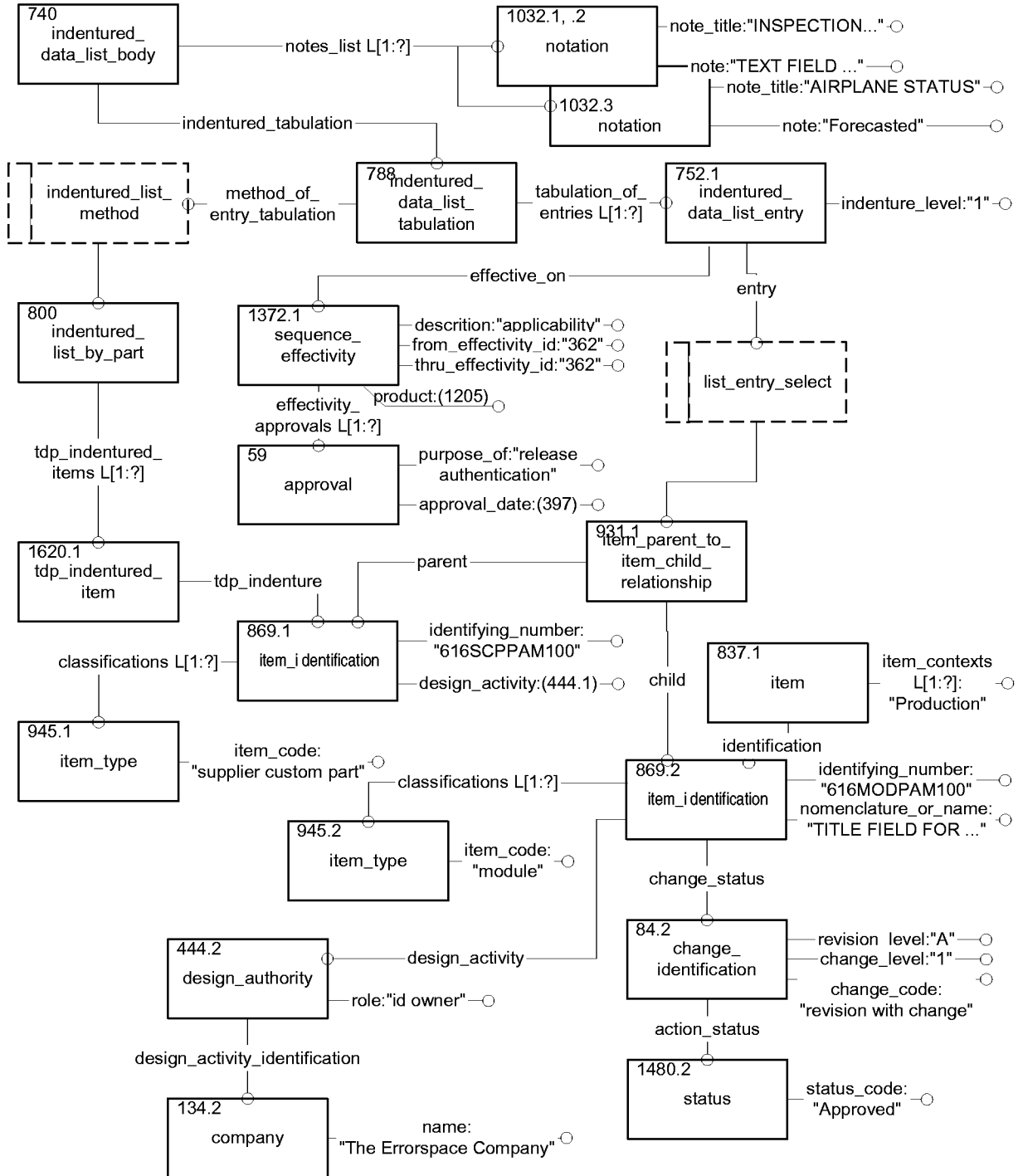


Figure E. 53 – Instance diagram 53 of 59

Test Case 6SCML_revised: Component 2

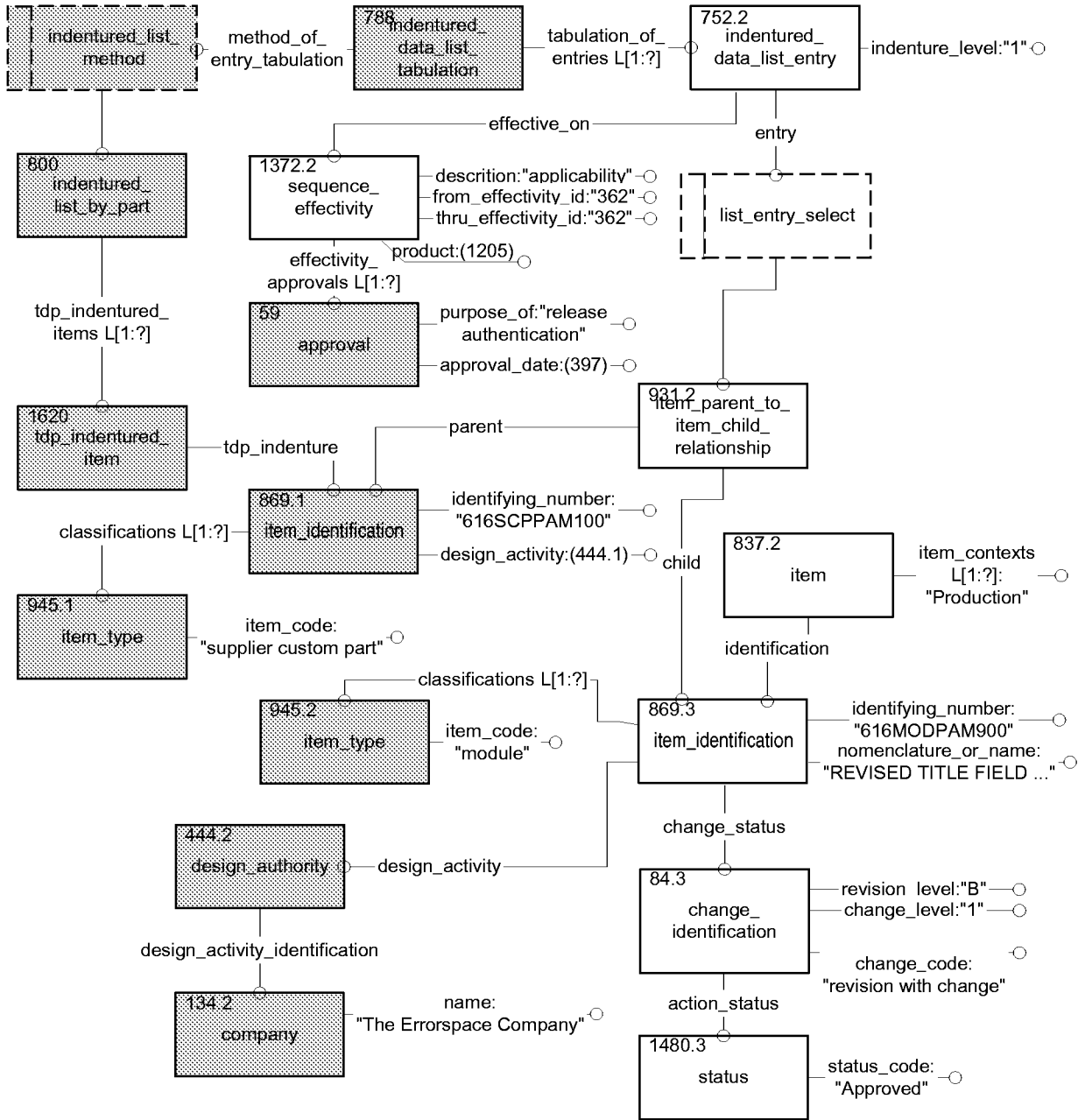


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Test Case 6SCML_revised: Component 3

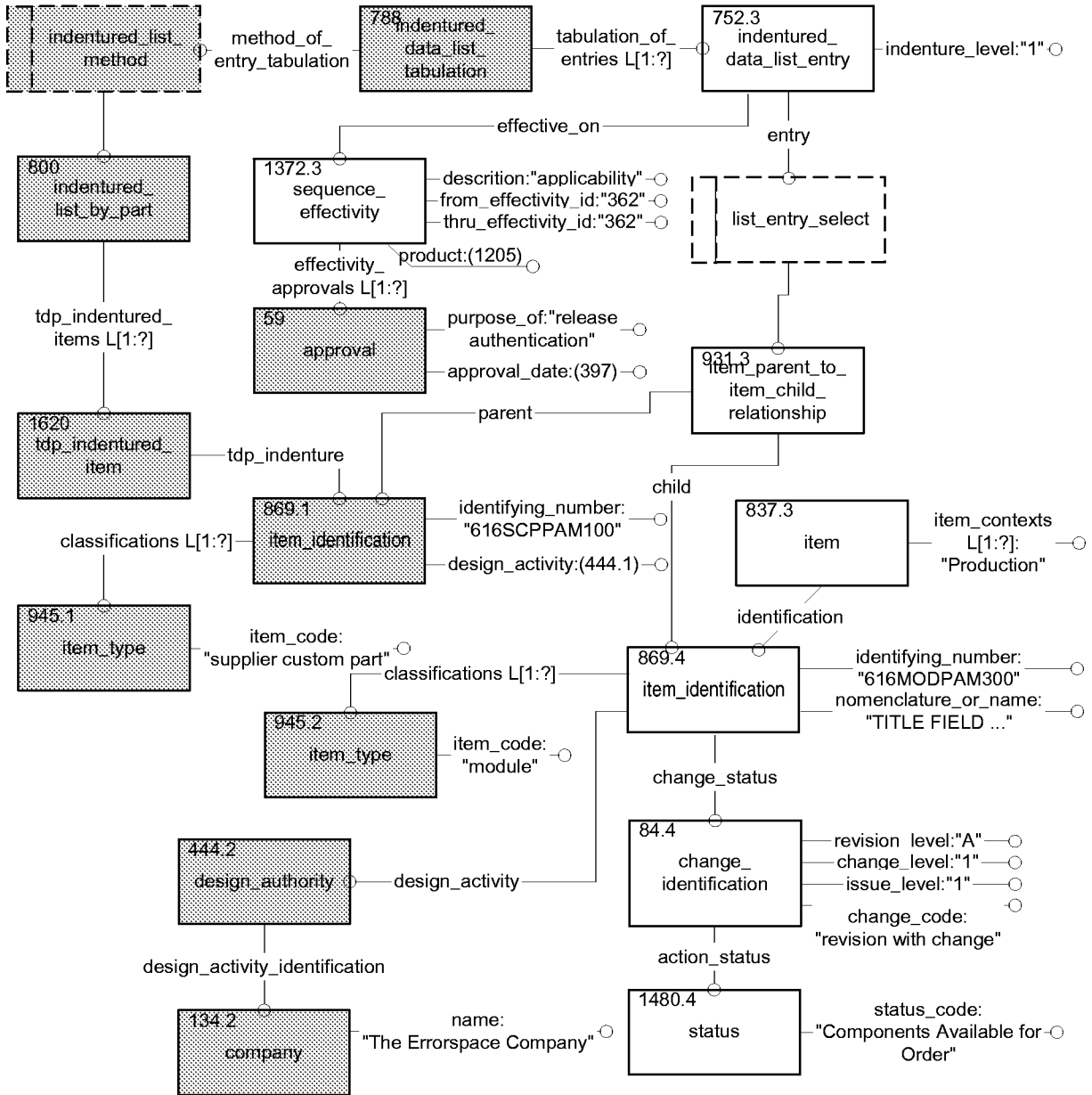


Figure E. 55 – Instance diagram 55 of 59

Test Case 6SCML_revised: Net Change

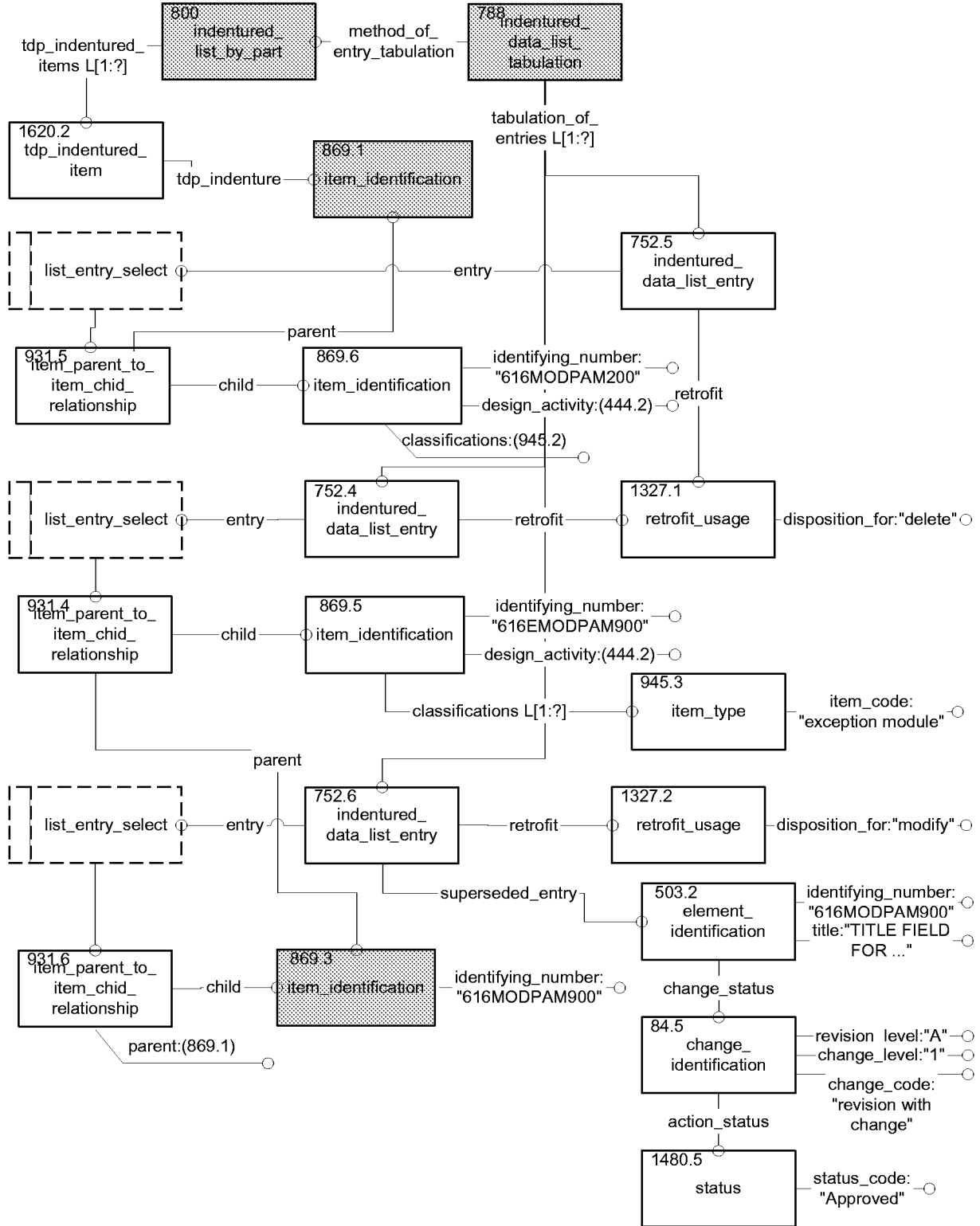


Figure E. 56 – Instance diagram 56 of 59

Test Case 6SCML_revised: Net Change, cont.

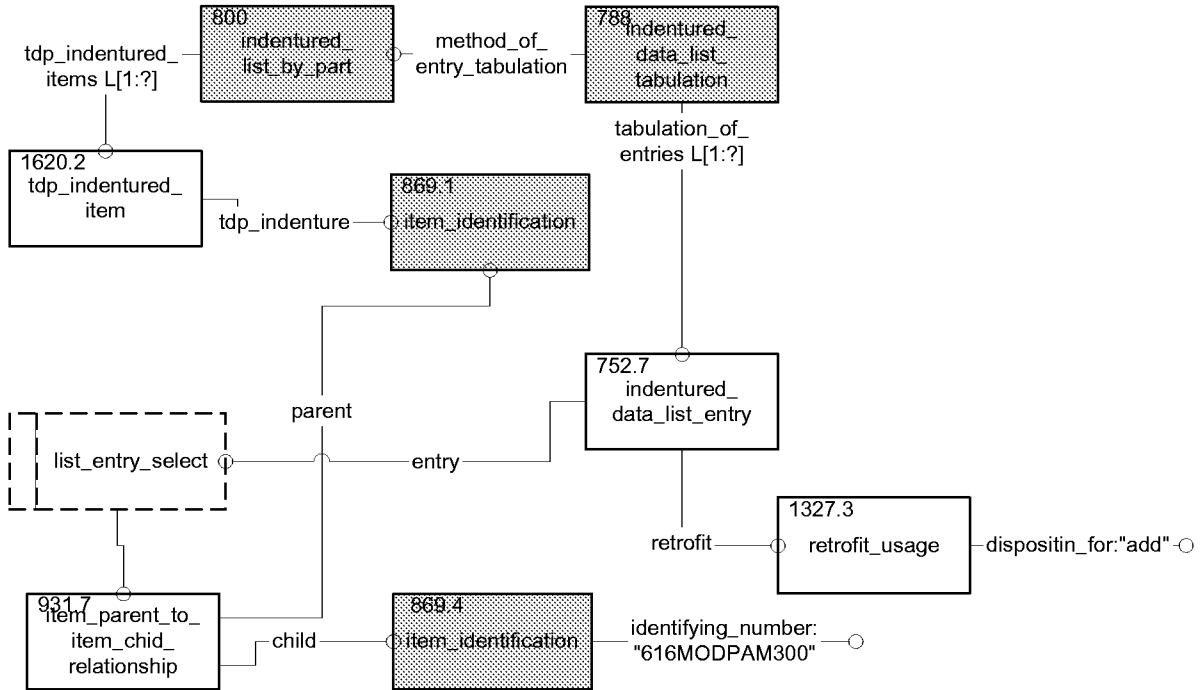


Figure E. 57 – Instance diagram 57 of 59

Test Case 6SCML_removeSCP:
IDL body

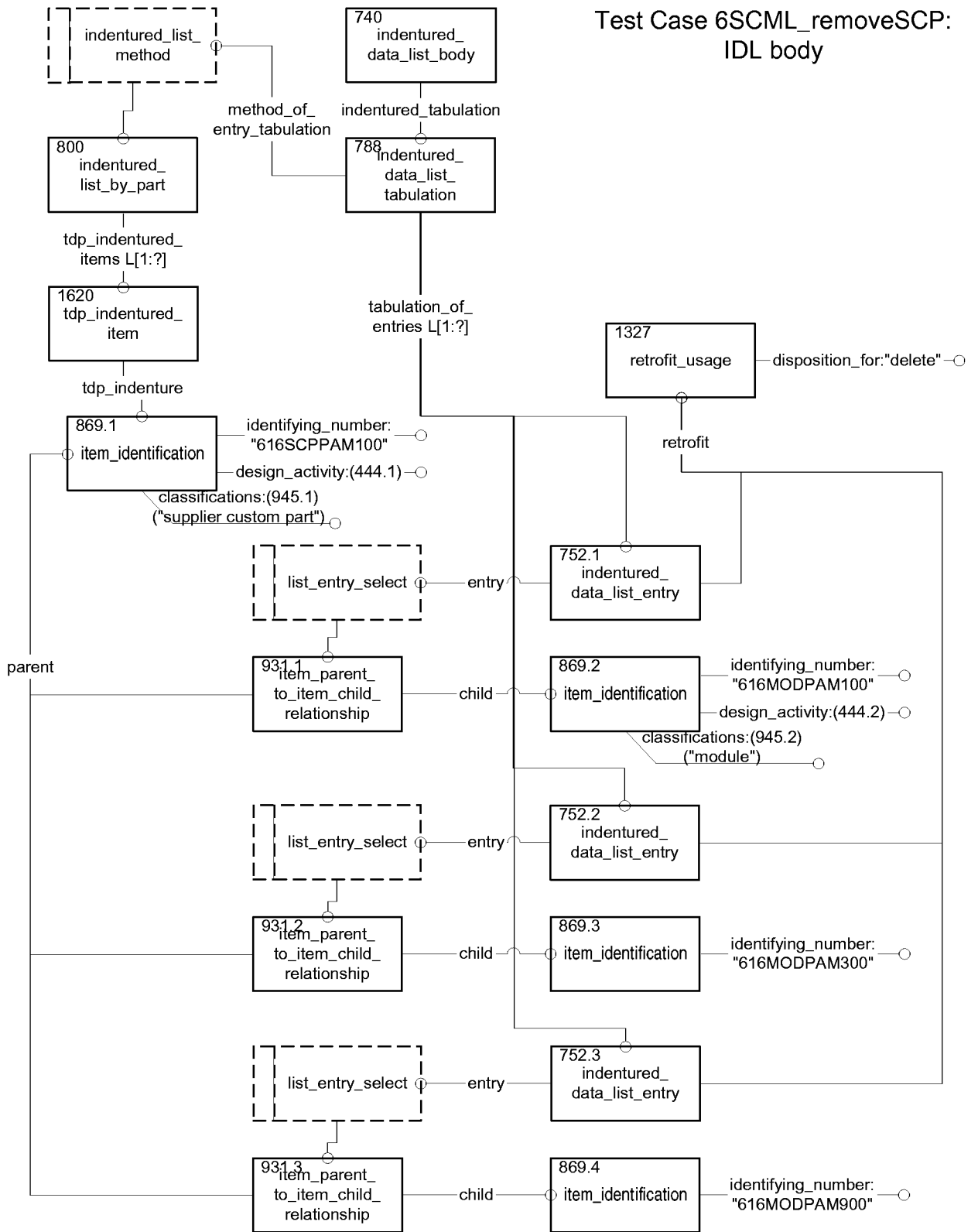


Figure E. 59 – Instance diagram 59 of 59

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