



Standard Terminology for Sustainable Manufacturing¹

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1. Scope

1.1 The standard includes terminology applicable to sustainable manufacturing.

1.2 The values stated in either SI units or inch-pound units are to be regarded separately as standard. The values stated in each system may not be exact equivalents; therefore, each system shall be used independently of the other. Combining values from the two systems may result in non-conformance with the standard.

2. Significance and Use

2.1 The terminology included in this standard is intended to provide definitions for sustainable manufacturing terms. This standard is intended to be referenced by other sustainable manufacturing standards.

2.2 The terms defined in this standard are those which have specific meaning in the context of sustainable manufacturing.

¹ This terminology is under the jurisdiction of ASTM Committee E60 on Sustainability and is the direct responsibility of Subcommittee E60.13 on Sustainable Manufacturing.

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Terms that have more general application, or for which the dictionary definition is applicable, are not included.

2.3 Terms having application only within a specific standard, or having meaning unique to the context of that standard, are defined or explained in the terminology section of the individual standard, and are not included here.

3. Terminology

3.1 Terms and Definitions:

process data unit, n —smallest element of a unit manufacturing process for which discrete data are collected.

unit manufacturing process, n —the individual operation or subset of operations necessary to convert, modify, or add value from a defined initial state to a defined end state.

DISCUSSION—A unit manufacturing process can consist of multiple process data units. Examples of unit manufacturing processes include, but are not limited to: casting, machining, surface treatment, mixing, and preparation for shipping.

4. Keywords

4.1 manufacturing; process; product; sustainability; terminology