

Vehicle parking control equipment

Part 8. Specification for pre-purchased parking vouchers

ICS 93.080.30

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by Technical Committee B/509, Road equipment, to Subcommittee B/509/20, Vehicle parking control equipment, upon which the following bodies were represented:

- Association of Chief Police Officers of England and Wales
- Association of District Councils
- Association of London Authorities
- Association of Metropolitan Authorities
- British Parking Association
- Department of Transport (Highways Agency)
- Institution of Civil Engineers
- Institution of Highways and Transportation
- Parking Committee for London
- Royal Automobile Club
- Co-opted members

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Foreword

This Part of BS 6571 has been prepared by Subcommittee B/509/20. It is a new Part of BS 6571.

Other Parts of BS 6571 are as follows:

Part 1 : *Specification for coin operated clockwork parking meters*

Part 2 : *Specification for electrically powered parking meters*

Part 3 : *Specification for pay and display equipment*

Part 4 : *Specification for barrier type parking control equipment*

Part 5 : *Guide to the requirements for non-coin operated apparatus for use with parking control*

Part 6 : *Specification for pay-on-foot parking control equipment*

Part 7 : *Specification for parking discs*

Further Parts are under consideration, in particular:

Part 9 : *Specification for in-car electronic devices*

Part 10 : *Code of practice for ancillary parking equipment and parking signs*

Whilst it is not within the scope of this standard, attention is drawn to the guidance of the Design Council on the aesthetic qualities of street furniture.

Product certification. Users of this British Standard are advised to consider the desirability of third party certification of product conformity with this British Standard, based on testing and continuing product surveillance, which may be coupled with assessment of a supplier's quality systems against the appropriate Part of BS EN ISO 9000, *Quality management and quality assurance standards*.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 4, an inside back cover and a back cover.

Specification

1 Scope

This Part of BS 6571 specifies the requirements for pre-purchased parking vouchers which are validated and displayed in the vehicle as evidence of payment or permission to park at the time of parking. It excludes permits issued for disabled drivers under statutory regulations even if paid for, as these are covered by Part 7. It also excludes season tickets, location permits and status permits, e.g. business or resident permits which are valid for more than one parking act.

2 References

2.1 Normative references

This Part of BS 6571 incorporates, by dated or undated reference, provisions from other publications. These normative references are made at the appropriate places in the text and the cited publications are listed on the inside back cover. For dated references, only the edition cited applies; any subsequent amendments to or revisions of the cited publication apply to this Part of BS 6571 only when incorporated in the reference by amendment or revision. For undated references, the latest edition of the cited publication applies, together with any amendments.

2.2 Informative references

This Part of BS 6571 refers to other publications that provide information or guidance. Editions of these publications current at the time of issue of this standard are listed on the inside back cover, but reference should be made to the latest editions.

3 Definitions

For the purposes of this Part of BS 6571 the following definitions apply.

3.1 parking place

An area within which parking is permitted under specified conditions.

3.2 parking space

An area within a parking place laid out for one or several vehicles.

3.3 parking authority

The organization legally responsible for the parking place.

3.4 parking tariff

The amount charged for a specific period of time.

3.5 parking unit

A variable in which the value of a parking voucher may be measured, recorded and sold.

3.6 parking voucher

A passive device purchased in advance, which can be validated for inspection to permit the vehicle to park in accordance with specified conditions.

3.7 parking voucher value

An amount in pounds and pence or parking units pre-printed on the parking voucher.

3.8 validation format

The factors indicated on the parking voucher which are required to be validated at the time of use in accordance with the specified instructions for use of the parking place.

3.9 validation

The process by which the parking voucher is distinctly and permanently validated by the user.

3.10 initial parking time

The period of parking permitted by the conditions of use of the parking place following the validation and display of the parking voucher(s).

3.11 voucher zone

An area into which each entrance for vehicular traffic has been indicated by a 'Voucher Parking Zone' sign and in which, except where there is provision of parking places in at least one of which vouchers may be used, every road has been marked with 'No waiting' or 'No loading' restrictions.

4 General requirements

4.1 Layout

4.1.1 Front face

On the front face of the parking voucher the following shall be printed:

- a) the name of the parking authority;
- b) a scheme logo;
- c) information on the validation format;
- d) a statement requesting compliance with any instructions on the reverse;
- e) the validation format (see clause 6);
- f) the value of the voucher (see 3.7);
- g) a serial number unique within each parking authority and for each voucher value (see 7.2);
- h) zone(s) in which the voucher may be used if relevant;
- i) a statement indicating that misuse of the voucher is an offence.

4.1.2 Back face

On the back face of the parking voucher shall be printed full instructions for its use. The remainder of the back face may be used for advertising or any other purpose authorized by the parking authority. The instructions shall include the following:

- a) at what time the voucher is to be used;
- NOTE 1. This may direct the voucher user to another source for this information, e.g. street signs.
- b) how the voucher or vouchers (when more than one is allowed) is/are to be validated;
- c) how the voucher or vouchers (when more than one is allowed) is/are to be displayed;
- d) circumstances in which an offence/contravention occurs.

NOTE 2. A typical set of instructions and conditions of use are set out in annex A.

5 Physical requirements

5.1 Curl

The average curl of the voucher shall not exceed 12 mm when tested in accordance with annex B.

5.2 Shape

The voucher shall be rectangular with the long edge vertical when displayed.

5.3 Size

The displayed length of the voucher shall be between 120 mm and 260 mm and the width of the voucher shall be between 75 mm and 110 mm. Any perforated, pre-creased or indented length for folding over or for securing the voucher in a block or pad of vouchers shall be additional to this.

5.4 Display

A voucher which is required to be displayed by bending over the top of a wind-down window shall have a length for this purpose additional to that specified in 5.3 of not less than 10 mm and not greater than 20 mm. This length may have printed on it any of the required information specified in 4.1.1 c) and d). The line on which it is intended to be bent shall be indicated clearly and indented to facilitate correct display.

6 Validation format

6.1 The validation format shall include the month, the day of the week and the date of the month. It may also include the year and zone(s) if required by the parking authority.

NOTE. It is not generally considered necessary to include both the year and day of the week, since either by itself will ensure non-repetition within 5 years when taken together with the day of the month.

6.2 If the period of parking is for less than one day, the validation format shall include the time of day in hours and minutes as specified in 6.3 e), or a specified period or periods of the day (e.g. 8.30 am to 2 pm).

6.3 The above factors when used shall be printed on the front face of the parking voucher as follows:

- a) the year if abbreviated shall be to the last two digits and shall have the description YEAR;
- b) the month if abbreviated shall be to JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP, OCT, NOV, DEC and shall have the description MONTH;
- c) the day of the month shall have the description DATE;
- d) the day of the week if abbreviated shall be to MON, TUE, WED, THU, FRI, SAT, SUN and shall have the description DAY;
- e) if the time of day is indicated in hours and minutes, these may be shown separately or together and they shall have the description HOUR and MINUTES. Hours may be shown in either 12 hour or 24 hour format. Minutes shall be shown at 5 min intervals, 0-55.

6.4 The minimum height of letters and numbers shall be as follows:

- a) 8 mm for voucher value numbers;
- b) 3 mm for other numbers and upper case letters;
- c) 2 mm for lower case letters.

7 Security

7.1 Forgery/counterfeiting

The parking voucher shall have a level of security against forgery and counterfeiting appropriate to its value and as determined by the parking authority.

7.2 Serial number

For each parking authority every voucher shall be printed with a unique serial number which may be alpha/numeric.

7.3 Protection against abuse

Where a parking voucher is required to be cancelled by rubbing off a latex patch or by other means there shall be a clear visual contrast between:

- a) the patch and the area behind it;
- b) the area behind the patch and the printing on that area;
- c) the area behind the patch and the adjacent part of the voucher.

Annexes

Annex A (informative)

A typical set of instructions and conditions of use

The following are recommended sets of instructions and conditions for use which would be placed on the back face of the voucher. Diagrams indicating the method of validation and display may also be present.

Instructions for use

On arrival at the parking place:

CHECK bay (or street) signs for:

- voucher parking logo;
- the name of the parking authority;
- hours of operation;
- maximum parking time allowed;
- parking tariff.

VALIDATE one or two vouchers (or other number as determined by the parking authority) as appropriate by scratching off five panels to indicate your time of arrival:

- month;
- date (of month);
- day (of week);
- hour (of day);
- minutes (to next 5 min).

DISPLAY the clearly validated voucher(s), up to the maximum parking time allowed, inside your vehicle against the side window nearest the kerb with the front face outward, (or place with front face up on your dashboard¹⁾), so that the voucher(s) can be read easily from outside your vehicle.

If two (or more) vouchers are displayed, they must be marked identically and displayed side by side.

Principal conditions of use

(If the parking scheme is operating under the terms of the Road Traffic Regulation Act 1984 and subsequent amendments):

You are liable to an excess charge (of £X) if you park beyond the time purchased up to the excess period of Y hours.

NOTE. A parking authority may wish not to put the actual value of the excess charge to give the opportunity of changing it without having to print new vouchers.

It is an OFFENCE:

- to indicate false arrival information;
- to display further vouchers after arrival;
- not to display a validated voucher or vouchers in the voucher zone (unless exempt);
- to park beyond the excess period;
- to return to the same parking place within Z hours;
- to display more than N vouchers.

(If the parking scheme is operating under the terms of the Road Traffic Act 1991):

You are liable to a penalty charge if you:

- a) park beyond the selected parking period;
- b) falsely indicate the time of arrival;
- c) replace the initial vouchers;
- d) return to the same parking place within Z hour(s) of leaving;
- e) do not display a voucher;
- f) display more than N vouchers;
- g) display further vouchers after arrival.

Annex B (normative)

Method of test for curl in paper and board under exposure to normal conditions

B.1 Principle

The voucher is placed on a bench in a controlled atmosphere and any tendency for upward curl is measured.

This test is a modified version of the RTM 31 developed by the British Paper and Board Industry Federation Test Methods Committee [1].

The method is suitable for most papers and boards.

B.2 Apparatus

B.2.1 Measuring rule, graduated in millimetres with no ungraduated margin.

B.3 Test conditions

B.3.1 Conditioning atmosphere controlled at (50 ± 2) % relative humidity and $23 \text{ }^\circ\text{C} \pm 1 \text{ }^\circ\text{C}$ as specified in BS EN 20187 (see note).

NOTE. If required, this method may be used in any atmospheric condition within the range 30 % to 65 % relative humidity so long as the conditions are stable for the duration of the test.

B.4 Procedure

Place two vouchers on a flat surface in the conditioning atmosphere so that one has its front face uppermost and the other has its back face uppermost.

Allow the test pieces to condition for at least 15 min. Measure the curl by placing the rule vertically close to each corner in turn and read off the height of the corners. Note these heights in relation to the front face and back face and note the direction of curl.

¹⁾ This may be omitted if required.

B.5 Test report

The test report shall include the following information:

- a) size of voucher;
- b) orientation of voucher, face up or face down;
- c) direction of curl:
 - 1) longitudinal;
 - 2) lateral;
 - 3) twist-axis corner to corner;
- d) surface towards which most upward curl occurs (front face or back face). If both front face and back face pieces curl up, report both results;
- e) the average height in millimetres for all four corners and the height in millimetres of the highest corner;
- f) conditioning atmosphere and exposure time used.

List of references (see clause 2)

Normative references

BSI publications

BRITISH STANDARDS INSTITUTION, London

BS EN 20187 : 1993

Paper, board and pulps. Standard atmosphere for conditioning and testing and procedure for monitoring the atmosphere and conditioning of samples

Informative references

BSI publications

BRITISH STANDARDS INSTITUTION, London

BS EN ISO 9000

Quality management and quality assurance standards

BS 6571 :

Vehicle parking control equipment

BS 6571 : Part 7 : 1997

Specification for parking discs

Other publications

[1] British Paper and Board Industry Federation Test Methods Committee: *Method of test RTM 31. Curl in paper and board — exposure to normal conditions.*

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