

OID REDLINING FOR ACTION 124/03 (VALID COMBINATIONS OF CHARGE CODE AND SWITCH REGIME TABLES)

MEETING NAME Unmetered Supplies User Group

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Purpose of paper Decision

Classification Public

Summary This paper invites the Unmetered Supplies User Group (UMSUG) to recommend to the SVG changes relating to valid Change Codes and Switch Regimes in the Operational Information Document (OID). If approved, the OID changes will be implemented and published in line with Market Domain Data (MDD) timescales as Version 19.0.

1. Background

1.1 The UMSUG discussed and proposed changes to the OID at UMSUG124 ([UMSUG124/02](#)). Redlined changes to the OID have been circulated to the UMSUG. Since no Unmetered Supplies Operators (UMSOs) were present at the meeting (UMSUG124) the UMSUG agreed that the decision on the changes should be made at this meeting.

2. Rationale from 124/02

2.1 For several years, a table displaying valid combinations of switch regimes and charge codes has been included in the OID. Some of the content now needs updating to reflect changes since the table was first introduced. Details of the proposed updates are given below, and a change marked table is provided as an attachment to this document.

- The table has been updated to reflect the use of term of VPSR (Variable Power Switch Regimes) to replace MLSD (Multi-Level Static Dimming);
- In the column that defines which equipment can be used with VPSR, the word “physical” has been introduced to make it clear that a Charge Code does not need to have a dimming circuit watts value to be used with VPSR;
- The measured Central Management System (mCMS) switch regime has been added and some changes made to the CMS definitions;
- The Switch Regime series for Manually Switched Equipment has been extended to match the current Operational Switch Regime Spreadsheet;

3. Additional table

3.1 The existing table only covers lights and traffic signal equipment with no definitions for controllers. The summary files ELEXON receives from UMSOs contain a wide range of combinations, some of which are illogical. With no explicit definition of which combinations are valid/invalid, it is difficult to challenge these illogical combinations.

3.2 Although controllers typically do not consume much energy, the quantities involved means that they can have a material impact on consumption if they are not declared correctly. For example, a thermal photocell incorrectly declared on an electronic switch regime will be treated as burning at 3W between dawn and dusk whereas a correctly declared electronic photocell would burn continuously at 0.25W.

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UMSUG deliberations on changes to the OID

- 3.3 The UMSUG reviewed and discussed the changes to the existing 'Valid Combinations of Charge Codes and Switch Regimes'. These included:
- The addition of 'Equipment' into the table title to 'Valid Combinations of Equipment Charge Codes and Switch Regimes';
 - Updating MLSD to VPSR;
 - The addition of 'physical' when defining dimming for Lamp/Ballast Charge Codes;
 - The Switch Regime Series for 'Manually Switched e.g School Crossing Patrol Flashers' to be extended from 030-036 to 030 to 039;
 - The proposed mCMS and CMS rows for Switch Regime Series 990 (mCMS) and 998 & 999 (CMS). UMSUG debated whether further changes were needed to clarify the valid combinations in these rows, but decided the proposed changes were fit for purpose. The addition of footnote 5 to the table is proposed to move from the row header to the 'Yes' for the Miscellaneous (Non Dimming) column of the table; and
 - The addition of F01-FZZ and G01-GZZ as Switch Regime Series for VPSR.
- 3.4 The proposed new table separates Controller Charge Codes and Switch Regimes. The UMSUG discussed and reviewed the proposed table and took into account views of an UMSUG Member unable to attend the meeting. The UMSUG suggested amendments to the proposed table including:
- 'N/A' for Part Time Traffic Signals with Time Switch Controllers to be changed to 'Yes';
 - All other 'N/A' table references to be changed to 'No' in order to be more explicit;
 - MLSD to be changed to VSPR in relation to the equipment code 99 column; and
 - Electronic Photo Cells (Switch Regime 800-899) with Electronic Controls to be changed from 'No' to 'No/Yes'. The UMSUG agreed a footnote should be added for the 'No/Yes' to allow for small scale trials and temporary UMSO alterations.

4. UMSO comments

- 4.1 The changes discussed have been circulated to UMSOs to provide them with the opportunity to comment. These red-lined changes can be found in Attachment A.
- 4.2 An UMSUG member pointed out that prefixes 7928, 7951 and 7960 are missing from Traffic Equipment (Dimming). Also, that 7937 is listed as being a non-dimmed prefix, however the three charge codes on MDD278 indicate these Variable Message Signs (VMS) to be dimmed. An issue with footnote 4 was also identified.

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Recommendations

4.3 We invite you to:

- a) **AGREE** the changes to the OID are recommended to the SVG for approval;
- b) **NOTE** that, if approved, the OID Version 19.0 will be published at the same time as MDD.

Attachments

Attachment A – UMSUG125_02A: red-lined changes to the OID

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