

VALID COMBINATION UPDATES TO THE OPERATIONAL INFORMATION DOCUMENT

MEETING NAME	SVG 219
---------------------	---------

Date of meeting	7 May 2019
------------------------	------------

Paper number	219/03
---------------------	--------

Owner/author	Kevin Spencer
---------------------	---------------

Purpose of paper	For decision
-------------------------	--------------

Classification	Public
-----------------------	--------

Summary	The Unmetered Supplies User Group (UMSUG) has recommended changes to the Valid Combination Tables defined in the Operational Information Document (OID). ELEXON invites the SVG to agree these changes as Version 19.0 of the OID for use and publication on the ELEXON website.
----------------	--

1. Background

- 1.1 The UMSUG discussed and proposed changes to the OID at UMSUG124 ([UMSUG124/02](#)). Following this, redlined changes to the OID were made and circulated to the UMSUG at its subsequent meeting (UMSUG125). The final amendments were agreed at UMSUG125 and the UMSUG now invites the SVG to approve the changes.

2. Proposed OID changes

- 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. The proposed updates are summarised 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; and
 - The Switch Regime series for Manually Switched Equipment has been extended to match the current Operational Switch Regime Spreadsheet.

VALID COMBINATION UPDATES TO THE OPERATIONAL INFORMATION DOCUMENT

2.2 Additional table

- 2.3 The existing table only covers lights and traffic signal equipment with no definitions for controllers¹. 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.
- 2.4 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.

3. UMSUG discussions on changes to the OID

- 3.1 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.
- 3.2 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.

¹ Controllers are devices that control the operation of unmetered devices e.g. photocells

VALID COMBINATION UPDATES TO THE OPERATIONAL INFORMATION DOCUMENT

4. UMSO comments on proposed changes

- 4.1 The changes discussed were 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.

5. UMSUG Recommendation

- 5.1 The UMSUG agreed the changes to the OID and recommend approval to the SVG.

6. Recommendations

- 6.1 We invite you to:
 - a) **APPROVE** the changes to the OID; and
 - b) **NOTE** that Version 19.0 of the OID will be published on the BSC Website.

Attachments

Attachment A – Red-lined OID Version 19.0

For more information, please contact:

Kevin Spencer, Senior Market Architect

kevin.spencer@elexon.co.uk

020 7380 4115