ELEXON

OID Updates for Vehicle Activated Signs

Unmetered Supplies User Group

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Owner/author	**Freya Gardner**	Purpose of paper	**Decision**
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Summary **Elexon invites the Unmetered Supplies User Group (UMSUG) to review the proposed changes to the Operational Information Document (OID). If recommended, the changes will be implemented in Version 28.0 of the OID.**

1. Background

1.1 At UMSUG meeting 138, a paper written on behalf of the Association for Road Traffic Safety and Management (ARTSM) proposed a test methodology for Vehicle Activated Signs (UMSUG138/03). Elexon took an action to draft the red-lining for the OID.

2. Proposed text for the OID

3.4 Test procedure for LED Variable Message, Bus Information Signs and signs with variable light levels

Charge Codes will only be provided on a case-by-case basis where the Applicant can satisfy the following criteria:

- Bus Information signs will be considered for Charge Codes on a case-by-case basis. For Visual Bus Information Displays with an optional audio player: Separate data provided for just visual and visual plus audio mode (50% of each mode will be included the calculation of the Circuit Watts);
- Vehicle Activated Signs and Car Park Signs will have the default position of being metered unless a case is made by an Applicant why they cannot be metered. This case will be reviewed by the UMSUG and considered by the SVG;
- Vehicle Activated Signs with dimming functionality will be allocated a Vehicle Activated Sign (Dimmed Activated) Charge Code. Applicants shall test the Vehicle Activated Sign at five voltages and with a minimum of three samples. The three samples must be the same size (300, 450, 600 or 750mm). Bright load and dimmed load test data shall be provided with the legend illuminated, the legend and conspicuity indicators illuminated and the legend, conspicuity indicators and associated text illuminated. Test data shall also be provided for the sign in quiescent mode. Based on activation weighted power consumption data, the allocated Bright and Dim Circuit Watts will be as follow;

  Bright Circuit Watts = 9.84% full brightness load + 90.16% quiescent load
  Dimmed Circuit Watts = 1.74% dimmed brightness load + 98.26% quiescent load

3. Recommendations

3.1 We invite the UMSUG to:

a) **REVIEW** the proposed changes; and

b) **AGREE** to recommend the changes for implementation in Version 28.0 of the OID.

For more information, please contact:

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