ELEXON

Approval of Telematics Wireless BrightCity Central Management System

Supplier Volume Allocation Group (SVG)

Date of meeting	**05 January 2021**	Paper number	**239/02**
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Classification	**Public**	Document version	**V1.0**

Summary — **The Unmetered Supplies User Group (UMSUG) recommends that the SVG approve the BrightCity Central Management System (CMS) for use in Settlement.**

1. What Central Management Systems (CMS) have we tested and why?

1.1 CMS are the systems used by customers with Unmetered Supplies (UMS) to control street lights remotely.

1.2 Telematics Wireless have developed a CMS, branded BrightCity. BrightCity, in conjunction with the management system, enables the operator to control the luminaire (T-Light) and provides a management solution for smart lighting systems. CMS control nodes are provided with dimming and switch on/off profiles and the switching times and dimming levels are reported daily to the Meter Administrator (MA) through event logs. These are used by the MA to calculate Half-Hourly (HH) consumption.

1.3 This paper provides an overview of Elexon's witness testing of the BrightCity CMS and the Unmetered Supplies User Group (UMSUG)'s recommendation based on the test results.

2. What were the results of our witness testing?

2.1 In June 2019, Telematics Wireless provided a test report to ELEXON detailing its own testing against the CMS test specification provided on the CMS webpage. The requirements in the test specification map to the requirements for a CMS as defined in section 4.6.3.3 of BSC Procedure (BSCP) 520 'Unmetered Supplies Registered in SMRS'.

2.2 Elexon conducted an initial witness test in August 2019. The BrightCity system failed the test due to an issue with simulating a control node failure and producing subsequent event log versions.

2.3 Following an update to the BrightCity System, Telematics requested a second witness test, which was conducted in November 2020. The CMS passed all the tests conducted, including the tests that previously failed.

2.4 The Telematics Wireless test report can be found in Attachment A and the witness test evidence can be found in Attachment B.

3. What is the UMSUG's recommendation?

3.1 The UMSUG reviewed both the Telematics Wireless test report and the Elexon witness test report in December 2020. It recommends that the SVG approves the BrightCity CMS version 1.50 for use in Settlement.

4. Recommendations

4.1 We invite the SVG to:

a) **APPROVE** the BrightCity CMS Version 1.50 for use in Settlement; and

b) **NOTE** that we will update the CMS webpage with details of the approved CMS.

Attachments

Attachment A – Telematics Wireless test report

Attachment B – Elexon witness test report

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