

# UMSUG121/04 – TEST REPORT FOR THE OWLET IOT CMS

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**MEETING NAME** UMSUG 121

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**Date of meeting** 10 October 2017

**Paper number** 121/04

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**Purpose of paper** Decision

**Classification** Public

**Summary** ELEXON has undertaken witness testing for the OWLET Internet of Things (IoT) Central Management System (CMS). The CMS passed the witness testing. We invite the UMSUG to recommend its approval to the Supplier Volume Allocation Group (SVG).

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## 1. What 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 Urbis Schröder (referred to as 'Urbis' in this paper) has developed a CMS, branded Owlet IoT. It already has approval for the Owlet Nightshift CMS. This new system uses mobile phone infrastructure to communicate control information to controls that are attached to the street lights.
- 1.3 ELEXON has tested successfully the OWLET IoT CMS and this paper provides an overview of our witness testing.

## 2. Witness testing

- 2.1 In August 2017, Urbis 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'](#).
3. ELEXON conducted witness testing in August 2017. The CMS passed all the tests conducted. One item of interest for the UMSUG is that Urbis simulated a control failure by putting the control into 'flight mode' as you can do on a mobile phone. This demonstrated that once communication is re-established that actual events at the streetlight were accurately reported back to the system.

## 1. Next steps

- 1.1 We are asking the UMSUG to recommend that the SVG approves the OWLET IoT CMS version 3.102.12.17 for use in Settlement. ELEXON will take the UMSUG recommendation to the next SVG meeting on 31 October 2017.

## 2. Recommendations

- 2.1 We invite you to:
  - a) **NOTE** that the OWLET IoT CMS passed ELEXON's witness testing; and
  - b) **RECOMMEND** that the SVG approves the OWLET IoT CMS version 3.102.12.17 for use in Settlement.

# UMSUG121/04 – TEST REPORT FOR THE OWLET IOT CMS

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## Attachments

Attachment A – Urbis test report

Attachment B – ELEXON witness test report

Attachment C – Witness test evidence (available from the UMSUG121 webpage due to file size)

Attachment D – Pictures from the witness testing (available from the UMSUG121 webpage due to file size)

## For more information, please contact:

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