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R0093 – SOLUTION DEVELOPMENT REPORT

R0093 – UPLIFT TO CSS MAXIMUM DEMAND VOLUMES DURING MHHS MIGRATION PERIOD

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1 CHANGE PROPOSAL SUMMARY

The detailed design for the Market-wide Half-hourly Settlement (MHHS) Programme is now complete and programme participants have started to design, build and test changes required to their systems and processes in order to implement MHHS. Once this is complete, and MHHS goes live, Electricity Suppliers will be required to migrate all electricity Metering Points to MHHS over a 12–18-month period (in accordance with the MHHS Programme Plan).

The migration design process, which is in final stages of definition, will involve the appointment of MHHS Supplier Agents - Metering Equipment Manager (MEM), Data Services and Smart Meter Data Retriever (SMDR) – and the de-appointment of legacy Supplier Agents - existing MEMs, Data Collectors and Data Aggregators.

The MHHS Programme has also determined that the migration design will allow for "reverse migration" to occur on Change of Supplier, where an MPAN will be able to revert to legacy settlement arrangements if switching to a non-MHHS Qualified Supplier.

All central systems, including the Central Switching Service (CSS), will need to be able to manage an increased volume of messages during this period, to accommodate the migration of approximately 31 million MPANs in addition to Business as Usual (BAU) requirements.

CSS is currently required to be capable of processing, as a minimum, the following volume of Switch Requests and changes to Supplier Agents and Smart Meter Data Retrievers:

a) average daily volume of 42,300;

b) peak daily volume of 281,600;

c) average hourly volume of 3,500;

d) peak hourly volume of 25,300; and

e) annual volume of 15,450,000.

The volume of messages during the MHHS Migration Period is expected to exceed these values significantly.

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2 PROPOSED SOLUTION

2.1 SOLUTION OVERVIEW

Change proposal R0093 was raised to ensure that the additional CSS message volumes that will result from the MHHS Migration can be managed without a degradation in performance to the switching service, or the MHHS Migration.

2.2 SOLUTION SCOPE CHANGE

The original proposed solution looked to introduce a high-level obligation on the CSS Provider to accommodate additional CSS message volumes during the period of migration under the MHHS programme.

Following the submission of the submission of the Preliminary Impact Assessment (PIA) response from the CSS Provider, it was recognised that an effective assessment of CSS impacts could not be made without finalised the migration volumes. At the time of the PIA, the MHHS Programme has not finalised the MHHS Migration Plan and subsequent migration volumes. As such, it was agreed with the CSS Provider, the Code Manager and RECCo, that the scope of proposed solution for R0093 would be revised.

It was agreed that the proposed solution would introduce legal text that would provide the CSS Provider with the necessary tools to manage the additional message volumes throughout the MHHS Migration Period. This would require the production of a CSS MHHS Migration Plan which would address the requirements outlined. The additional obligations extended to the Code Manager, who would be responsible for reviewing and approving the CSS Provider plan. This is the solution that was taken forward for detailed impact assessment (DIA).

Following a request by the CSS Provider in its DIA response, the decision was made to simplify the obligation, removing the requirement to produce and maintain a plan.

2.3 FINAL PROPOSED SOLUTION

The final proposed solution will require a new obligation within the 'Central Switch Service (CSS) Service Definition (section 7.3 and 7.11). This will stipulate that the CSS Provider shall be capable of processing the volume changes to electricity Supplier Agents and Smart Meter Data Retrievers, in accordance with the maximum daily migration volumes published in the MHHS Migration Plan, within existing Service Levels (see proposed redlining in Attachment A and B).

Furthermore, it is outlined that failure to achieve the Service Levels shall be considered as a failed Performance Level in accordance with Annex A of the Performance Assurance Schedules.

Finally, the solution also highlights that the CSS Provider shall have sole responsibility of:

- ensuring active engagement with the MHHS programme;
- identifying any changes to the daily migration volumes; and,
- actioning any necessary steps to manage and support volumes accordingly.

The solution ensures that the CSS Provider has clear requirements, roles and responsibilities during the MHHS Migration Period and to eliminate any ambiguity with regards to expectations.

3 TESTING AND ASSURANCE

It will be the responsibility of the CSS Provider to identify and execute any activities (including Testing and Assurance) required for the MHHS Migration Period. For the avoidance of doubt, this Change Proposal does not cover any testing or assurance activities.

4 ASSUMPTIONS

No.	ASSUMPTIONS
A1	The CSS Provider will engage with the MHHS Programme throughout the MHHS Migration Period to ensure any changes are understood and actioned
A2	The CSS Provider will engage with RECCo to address any CSS service cost uplifts are managed, outside of this change proposal