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SOLUTION DEVELOPMENT REPORT

R0062 – REMOVAL OF ERDA 'METERINGPOINTENERGYFLOW' CHANGE RESTRICTION

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PRIORITY	LOW

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1 CHANGE PROPOSAL SUMMARY

As part of the Electricity Retail Data Service (ERDS), the Metering Point Registration System (MPRS) currently derives the Metering Point Energy Flow (Data Item DI90033 – meteringPointEnergyFlow) from the MS Specific Line Loss Factor Class (LLFC) Indicator (DI50370), which is an attribute of Line Loss Factor Class.

From June 2023, the energy direction (meteringPointEnergyFlow DI90033) will become an independent Data Item, Metering Point Energy Flow. This is being implemented under the Balancing and Settlement Code (BSC) change CP1558, to support an effective transition to Market-wide Half Hourly Settlement (MHHS).

As part of the Faster Switching Programme Enactment Phase change CR-E37, a restriction was applied to the ERDS so that any Registrable Metering Point (RMP) errors can only be rectified once in the lifetime of an RMP, back to the creation of the RMP recorded in the Effective From Date (EFD) of the RMP. When more than one change is required, a new RMP would need to be created.

The Central Switching Service (CSS) validation enforces the EFD rule, where the Metering Point Energy Flow must be back dated to the original EFD. However, CSS functionality does allow multiple changes to Metering Point Energy Flow.

This change looks to remove the restriction on Metering Point Energy Flow corrections, to allow Distribution Network Operators (DNOs) to make more than one change to the Data Item. This will enable improvements to data accuracy and facilitate cleansing of Metering Point Energy Flow data in ERDS, without requiring a new RMP, ahead of the transition to MHHS.

2 PROBLEM STATEMENT

To maintain accurate values for Settlement, DNOs must make regular changes to the LLFC Indicator in ERDS. Until June 2023, the meteringPointEnergyFlow has been tied to this Data Item, which has sometimes resulted in changes to the energy direction. For example, going from Import to Export. Where errors have been identified, the DNO needs to be able to correct meteringPointEnergyFlow back to the correct value to ensure data accuracy.

The current restriction, to only one change of Energy Direction against an RMP, can be overcome through by terminating the existing RMP and creating a new RMP with the correct Metering Point Energy Flow value. This has a detrimental impact on the Consumer and Settlement. It is inconvenient for the Consumer to be assigned a new MPAN and Settlement relies on an accurate history that will be lost when a new MPAN is assigned.

3 PROPOSED SOLUTION

The Change Proposer and Code Manager recommends that the solution will include:

- A change to REC Schedule 27 RMP Lifecycle (section 6.2 (c)) to allow more than one change to meteringPointEnergyFlow, within the lifetime of an RMP. Enabling ERDA to make corrections to an error. In this instance, the Effective 'From Date' validation rule of the updated event must be equal to the Effective 'From Date' of the event being corrected.
- Configuration change to ERDS to increase the limit on 'meteringpointEnergyFlow' changes. No system changes are required to implement this change as it is a user configurable setting that is set by each ERDA.

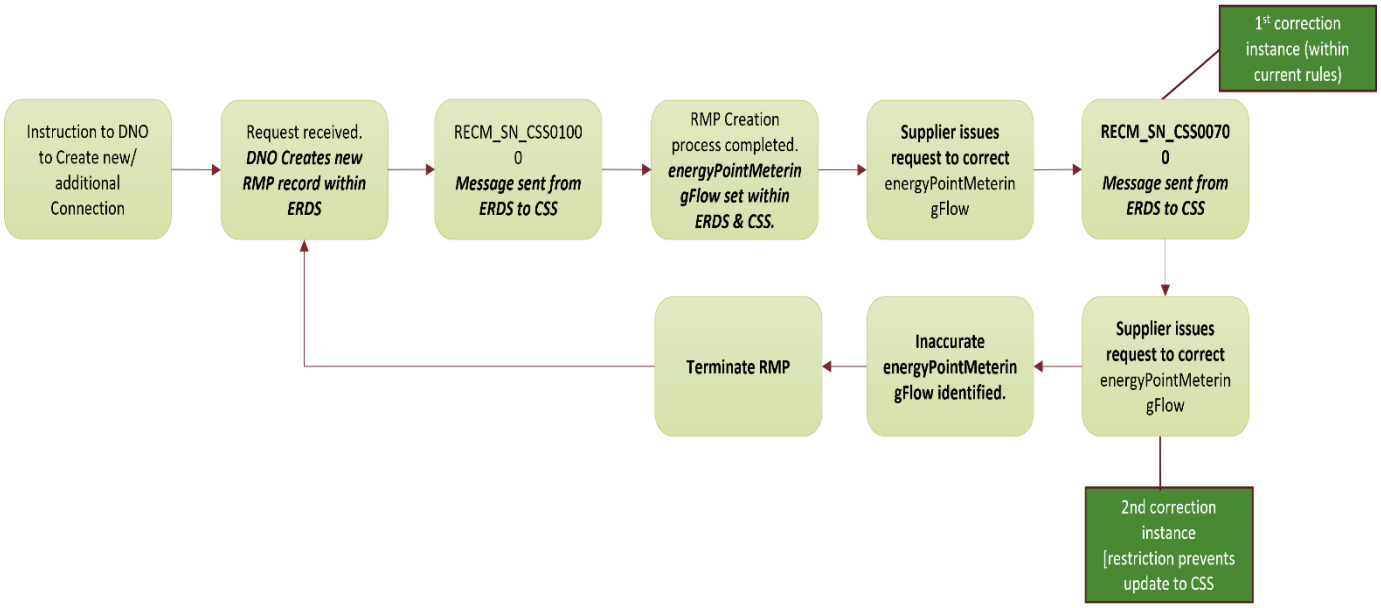
The Switching Operator has confirmed during the impact assessment period that no changes are required to the Central Switching Service (CSS) as this validation is not applied in CSS, as outlined in JIRA DI-4644 for Landmark Impact.

The Code Manager discussed R0062 with the Switching Operator and the Electricity Retail Data Agents (ERDA) as providers of ERDS at the Code Manager's Technical Change Workshop, to develop understanding of the issue and any constraints.

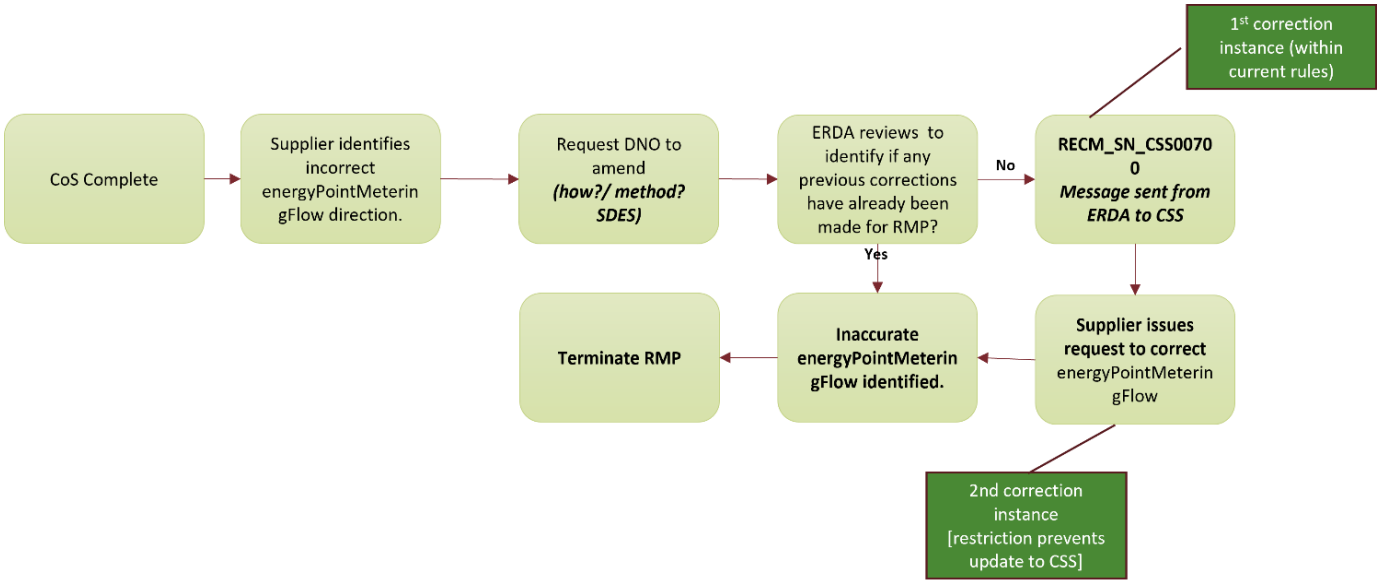
A further workshop with LDSOs was conducted by the Code Manager to validate the proposed solution and gain understanding for specified scenarios which may enact a change to the meteringPointEnergyFlow direction, additionally to discuss any undefined risks which may be prevalent if the one-time restriction was removed or consequential impacts to any other programmes of work, such as MHHS.

Finally, the proposed solution paths below were presented to the REC Issues Group (RIG) who raised no concerns with the proposed approach.

Scenario 1: Corrections following a New Connection request; or additional Import/ Export Connection request



Scenario 2: Corrections following a Switch



It is possible that this solution may only be required until MHHS transition has completed. The details as to whether the solution should be continued in the MHHS arrangements is to be confirmed. If the MHHS Design is not updated to support the changes to meteringPointEnergyFlow, the Code Manager's understanding is that the impacts are minimal. The proposed solution provides ERDAs the ability to configure their systems to implement this change, which could also be used to set the restriction back to '1'.

4 TESTING REQUIREMENTS

There are no anticipated Testing requirements for the Code Manager. ERDS Providers may wish to carry out testing to confirm correct implementation.

5 IMPLEMENTATION

Given the low technical impact of this change, there is flexibility in how this change is implemented and released by ERDS Providers. Implementation of the legal text provides the required option for an additional correction to be applied, but there is no obligation for Parties to change their existing processes from that implementation date. For this reason, the Code Manager is likely to propose an implementation date that is between one and three months after the planned Responsible Committee approval date.