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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), until June 2023, derived 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) became an independent Data Item, Metering Point Energy Flow. This was 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, and which have to apply back to the creation of the RMP recorded in its Effective From Date (EFD). 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, ensuring 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), in their role as Electricity Retail Data Agents (ERDAs), to make more than one change to the Data Item. This will enable improvements to data accuracy, remove detrimental impact to Consumers 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.

During the development of this solution, the Code Manager has sought to understand how the process currently functions, the frequency with which meteringPointEnergyFlow is amended, and when this type of change would typically occur.

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 DNOs 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.

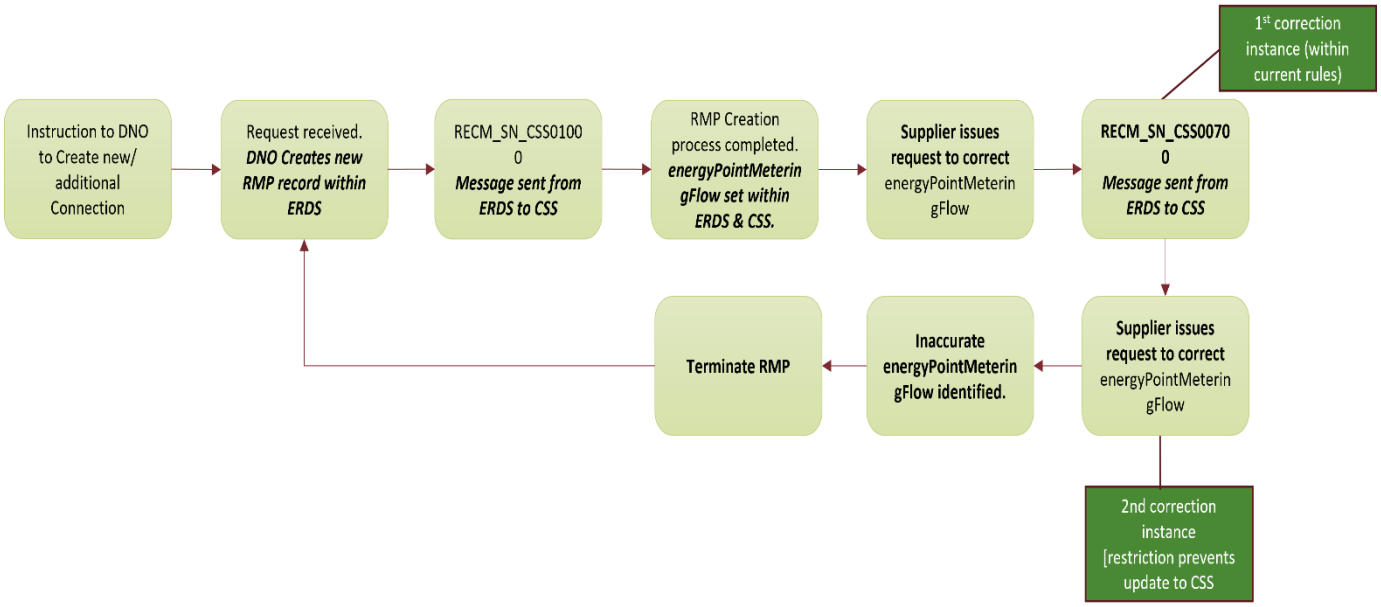
Discussions with Industry representatives, at the REC Issues Group (RIG), on 08 September 2023, identified that the process to change meteringPointEnergyFlow is used rarely. It is most

commonly used at an early stage in the lifecycle of an MPAN, as this type of issue is identified promptly when energy flow begins at a New Connection.

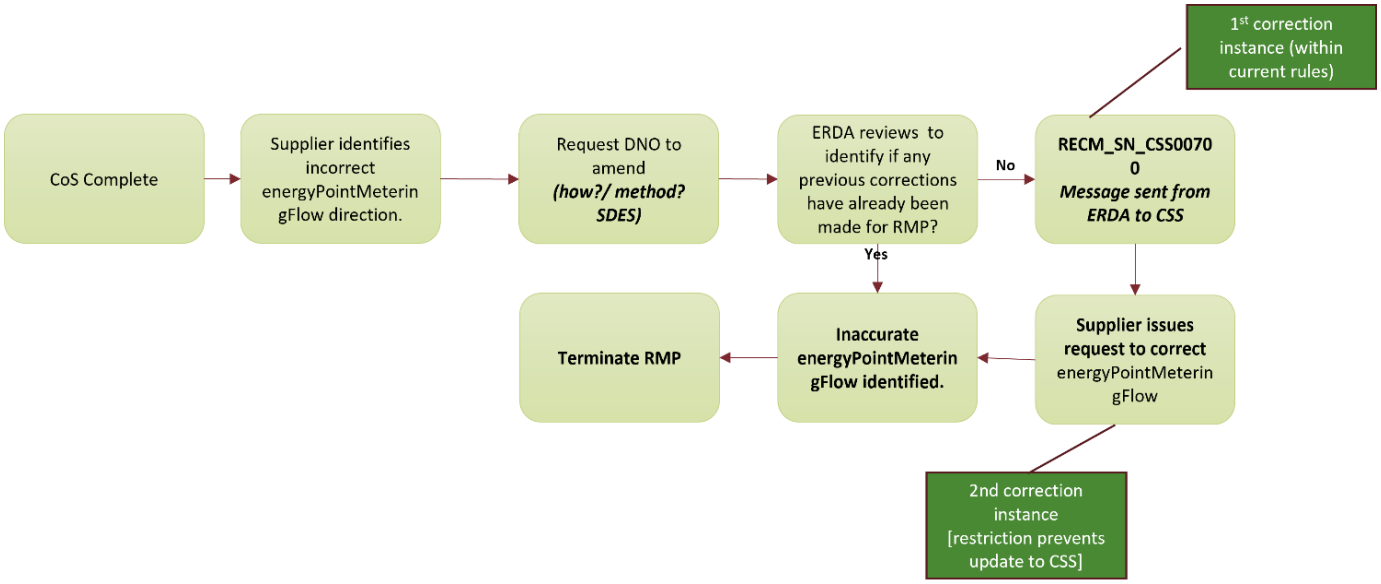
It is not anticipated that the implementation of this change will greatly increase the use of this process, rather that it will allow for a simpler resolution in the rare cases where energy flow is required to be amended more than once.

The proposed solution paths below were presented to the 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.



When a Supplier has identified an incorrect energy direction and has appropriately considered the need for it to be updated, rather than the RMP terminated, the Supplier can contact the relevant DNO to discuss the issue.

Should an issue be retrospectively identified that requires a change to the energyPointMeteringFlow, the Supplier should liaise with the relevant DNO and any other impacted Supplier as part of their investigation process (i.e. in cases where the Import/Export Meters are not supplied by the same Energy Supplier) to maintain clarity and agree on proposed required actions.

The Code Manager also consulted with Elexon and the Helix stakeholders on potential impacts and risks to settlement or the central settlement systems. The following was confirmed:

- Enabling additional Energy Direction corrections is considered a benefit to minimise the risk to settlement through the loss of the MPAN history. This relates to the potential to reduce the settlement error associated with 'BSC Risk 2: SVA Metering System Attributes are incorrect', by improving opportunities to correct Energy Direction data back to the creation date within the fluid settlement period.
- There would be no impact to Helix systems, as the systems have been built to deal with data changes, as long as the changes are in the fluid period.
- Any retrospective settlement change required as a result of an Energy Direction correction completed outside the new 4-month Settlement Calendar period would need to go through Trading Dispute

Considering the responses received and support for the proposed solution to endure under MHHS, the Code Manager believes it is appropriate to raise an MHHS Programme Change Request for the change to be considered for inclusion in the MHHS Design.

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.