

Development Update – RAMD for Risks 005, 012, 021, 023 and 016

Performance Assurance Board

Date of meeting	25 February 2021	Paper number	241/07
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Classification	Public	Document version	V1.0
Summary	This paper is submitted to the PAB to provide an update on the continued development of the planned Risk Analytics and Monitoring Dashboards (RAMD). We also provide an update to the roadmap of planned work.		

1. RAMD development updates Settlement Risks 005, 012, 021, 023 and 016

- 1.1 **Risk 005** – ‘The risk that a fault with SVA Metering Equipment is not resolved, such that metered data is recorded incorrectly or cannot be retrieved.’
 - 1.1.1 The risk 005 RAMD has been based on Data Transfer Network (DTN) data snapshots that Elexon already has enduring access to. A draft of this dashboard will be presented at the [February 2021 PAB meeting](#).
 - 1.1.2 The RAMD for Risk 005 focuses on the following risk factors which we are able to report on accurately based on the data we have available:
 - a) Risk Factor (RF) 1: The Fault Investigation Process is not triggered for a suspected or identified fault. Updated less frequently as based on a manual check of Technical Assurance Agent (TAA) findings relating to a metering fault.
 - b) RF2: Meter Operator fails to act on the triggering of the Fault Investigation Process (D0001, D0005) in a timely manner or at all. Updated monthly via DTN extracts.
- 1.2 **Risk 012** – ‘The risk that SVA Metering System technical details are created incorrectly.’
 - 1.2.1 The risk 012 RAMD has been based on Data Transfer Network (DTN) data snapshots that Elexon already has enduring access to. A draft of this dashboard is presented in Attachment A.
 - 1.2.2 The RAMD for Risk 012 focuses on the following risk factors:
 - a) RF1: Meter Technical Details (MTDs) or Site Technical Details (D0215) incorrectly recorded or transferred by -site engineer.
 - b) RF3: MTDs or site technical details incorrectly recorded by back office operative (MOA, LDSO, third party).
- 1.3 **Risk 021** – ‘The risk that CVA metered data is not retrieved, or processed correctly, or at all, by the CDCA.’
 - 1.3.1 Enduring access to the data required in order to report on this risk has been procured through the completion of change requests by Elexon’s central systems service provider. The first draft of this RAMD has been completed and Elexon is now in the process of undertaking data validation with its service provider in order to confirm that the values displayed in the dashboard are accurate.
 - 1.3.2 The LWI detailing the steps to maintain and update the RAMD on a monthly basis is also being drafted. Once reviewed this LWI will facilitate the hand over to the relevant risk owner and transition to the live BAU environment. A draft of this dashboard is presented in Attachment B.

1.3.3 The RAMD for risk 021 focuses on the following risk factors:

- a) RF1: Communication faults. The data for this risk factor was obtained from CDCA-I015 (input - Reporting Metering Equipment Faults) and CDCA-I038 (output - Reporting Metering Equipment Faults).
- b) RF3: Central data collection and processing systems failures. The data for this risk factor was obtained from ELEXON Service Status Report.
- c) RF5 & RF10: CDCA estimation requests & reprocessing of metered data. The data for these risk factors was obtained from CDCA-I037 (output - Estimated Data Notification).
- d) RF11: CDCA does not retrieve available data for missing Settlement Periods. The data for this risk factor was obtained from ELEXON Service Status Report.

1.4 **Risk 023** – ‘The risk that a fault with CVA Metering Equipment causes metered data to be recorded incorrectly or cannot be retrieved.’

1.4.1 As with risk 021 enduring access to the data required in order to report on this risk has been procured through Elexon’s central systems service provider. This RAMD is still under development and at the time of writing Elexon is working to resolve technical difficulties with the Data Analysis Expressions (DAX) scripts. However it is anticipated that a draft of this RAMD will also be available to be presented at the [February 2021 PAB meeting](#).

- a) RF2: Registrant, MOA does not act on the fault alerts within BSC timescales or instruction on action flows, or unreasonably delays resolution. The data for this risk factor was obtained from CDCA-I015 (input - Reporting Metering Equipment Faults) and CDCA-I038 (output - Reporting Metering Equipment Faults).
- b) RF3: Site access issues (hard to access sites (e.g. nuclear site), Equipment Owner or customer not providing access, weather condition & site safety). The data for this risk factor was obtained from CDCA-I015 (input - Reporting Metering Equipment Faults) and CDCA-I038 (output - Reporting Metering Equipment Faults).

1.5 **Risk 016** – ‘The risk that the energisation status held in SMRS or by any party in the Supplier Hub does not match the physical energisation status of the SVA Metering System.’

1.5.1 The RAMD for Risk 016 is still in relatively early stages of development however an early draft of the dashboard is planned to be presented at the [February 2021 PAB meeting](#).

1.5.2 The RAMD for risk 016 focuses on the following risk factors:

- a) RF1: Failure to notify of energisation status / change to energisation status (e.g. notification from Licensed Distribution System Operator or Meter Operator Agent to Supplier hub, Supplier to Supplier Meter Registration Service and SMRS to Data Aggregator). Via a report of de-energised meters which are consuming, and energised meters which are not consuming.
- b) RF2: Incorrect notification of change to Energisation Status. Via validation of consumption following energisation status updates.

2. **Project roadmap amendments –**

2.1 **Inclusion of Risk 025**

2.1.1 We have added risk 025 (the risk that Balancing Services provided by Virtual Lead Parties allow error to enter Settlement, such that the energy volumes required for Settlement are incorrect or missing) to our roadmap in order to support the delivery of [P375](#) ‘Metering behind the Boundary Point’.

2.1.2 The delivery of the risk 025 RAMD ahead of the implementation of P375 will provide valuable assurance. In order to ensure that the RAMD is embedded well ahead of the June 2022 implementation date for the Modification, we have added it to our roadmap in place of risk 014 which was scheduled for our planned February 2022 release. This will delay the delivery of the risk 014 RAMD (as well as those for subsequent risks). However we believe this is appropriate prioritisation in respect of providing assurance for an innovative Modification.

2.1.3 Development on the RAMD for risk 025 is planned to commence in December 2021.

2.2 ADR monitoring dashboard

- 2.2.1 We have also updated our roadmap to include the development of a dashboard which will enable Elexon to monitor Annual Demand Ratios (ADR) by Grid Supply Point (GSP). This work will be progressed as a priority and will be included within our next scheduled release (April 2021). We don't anticipate that this additional work will delay the development of previously planned RAMDs.
- 2.2.2 This RAMD will enable Risk Owners to proactively identify issues such as the recent [GSP_A ADR issue](#).

3. Recommendations

- 3.1 The PAB is invited to:
 - a) **NOTE** the RAMD development update provided.

Attachments

Attachment A – Risk 012 Draft RAMD

Attachment B – Risk 021 Draft RAMD

For more information, please contact:

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