

Risk Analytics and Monitoring Dashboards – Development Update

Performance Assurance Board (PAB)

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Classification	Public	Document version	V1.3

Summary This paper provides a further update in respect of the development roadmap for Elexon's Risk Analytics and Monitoring Dashboards (RAMD). We also confirm the approach to be taken to the publication of these dashboards publically through the Elexon website in response to feedback from the Performance Assurance Board (PAB).

1. Refocusing development on CVA Risk

- 1.1 In response to the appetite expressed by the PAB to focus additional assurance resource on the monitoring and mitigation of Central Volume Allocation (CVA) Risks, Elexon proposes further amendments to the development roadmap for our new Risk Analytics and Monitoring Dashboards (RAMD). The proposed amendments would see work on dashboards for CVA Risks brought forward to be completed prior to work being resumed on additional Supplier Volume Allocation (SVA) Risk dashboards.
- 1.2 These amendments to the development project timeline are being proposed, not only on the basis of the appetite for additional rigour in respect of CVA assurance expressed by the PAB (with which Elexon is in agreement), but also in recognition of the fact that in general we already have greater visibility in respect of SVA Risk indicators than we do in respect of those for CVA Risks.
- 1.3 The revised project schedule can be found within the appendix, along with a snapshot of the project timeline for the coming months' releases.

2. Public publication of Risk analytics

- 2.1 In response to the PAB's feedback to publish as much of our Risk analytics and data as possible on the Elexon website under Assurance we have considered our approach to doing so. We propose that confidential and non-confidential reporting items are considered separately (i.e. those which include Party/Agent level data including MPIDs or other identifying information).
- 2.2 Non-confidential Risk indicators and metrics:
 - To be reviewed and validated internally across departments within Elexon.
 - To have been used internally for at least three months in order to ensure that Risk Owners and business users are comfortable with the data.
 - Where concerns are raised internally, this trial period may be extended to accommodate additional internal validation.
 - Provided no concerns over accuracy are raised internally during this period:
 - Data to be published on the Elexon website under the Assurance page.
 - Comments and feedback to be invited from customers.

2.3 Confidential Risk indicators and metrics:

- To be reviewed and validated internally across departments within Elexon.
- To have been used internally for at least three months in order to ensure that Risk Owners and business users are comfortable with the data and confident in its accuracy
- Data and analytics which could be usefully published are identified.
- Elexon to engage with our customers in order to assess appetite for the data to be published.
- Based on customer feedback and the appetite expressed by customers in respect of having this data published (either because they think it would be useful for peer comparison or if they believe it would provide valuable market insight) Elexon will decide whether or not to progress a proposal for this data to be published.
- Where confidential data and analytics are to be published this will require:
 - A Panel paper proposing the data is published and the rationale;
 - Industry consultation allowing customers a formal opportunity to argue for and against the data being published; and
 - Panel approval (or otherwise) following review of the consultation responses.

2.4 The rationale for this approach is that work should only be undertaken to publish confidential data if there exists sufficient appetite within our customers' organisations. This approach hopes to avoid wasting Elexon and customer resource in securing the publication of data or analytics which the majority of our customers do not see value in.

3. Annualised Demand Ratios monitoring update

3.1 For the sake of continuity, I note the commitment we made within the previous Risk dashboards development update (presented at [PAB241](#)) to produce for the PAB some form of interim monitoring solution in respect of ADR. A more detailed update is included within the Risk Report being presented at the [April 2021 PAB meeting](#).

3.2 Going forward we will continue to present Annual Demand Ratio (ADR) data through the Risk Report each month. The [GSP A Lessons Learned](#) exercise is on-going and we will seek to identify additional data sources which might improve our visibility of potential issues. In the interim we will also explore ways in which the existing ADR data can be cut, analysed and presented and what existing data sources might compliment this monitoring, such as Transmission Loss Multiplier data.

4. Risk 016 Draft Dashboard

4.1 While we are proposing to shift our focus to CVA Risks in respect of dashboard development, as significant progress has been made in respect of the Risk 16 dashboard included within the appendix. This dashboard is still in a draft state however it will be used for monitoring in respect of the risk report and by the risk owner for Risk 16.

Appendices

Appendix 1 – Revised development delivery schedule

Appendix 2 – Snapshot of revised project timeline

Appendix 3 – Draft dashboard for Risk 16

For more information, please contact:

Jason Jackson, Risk Owner

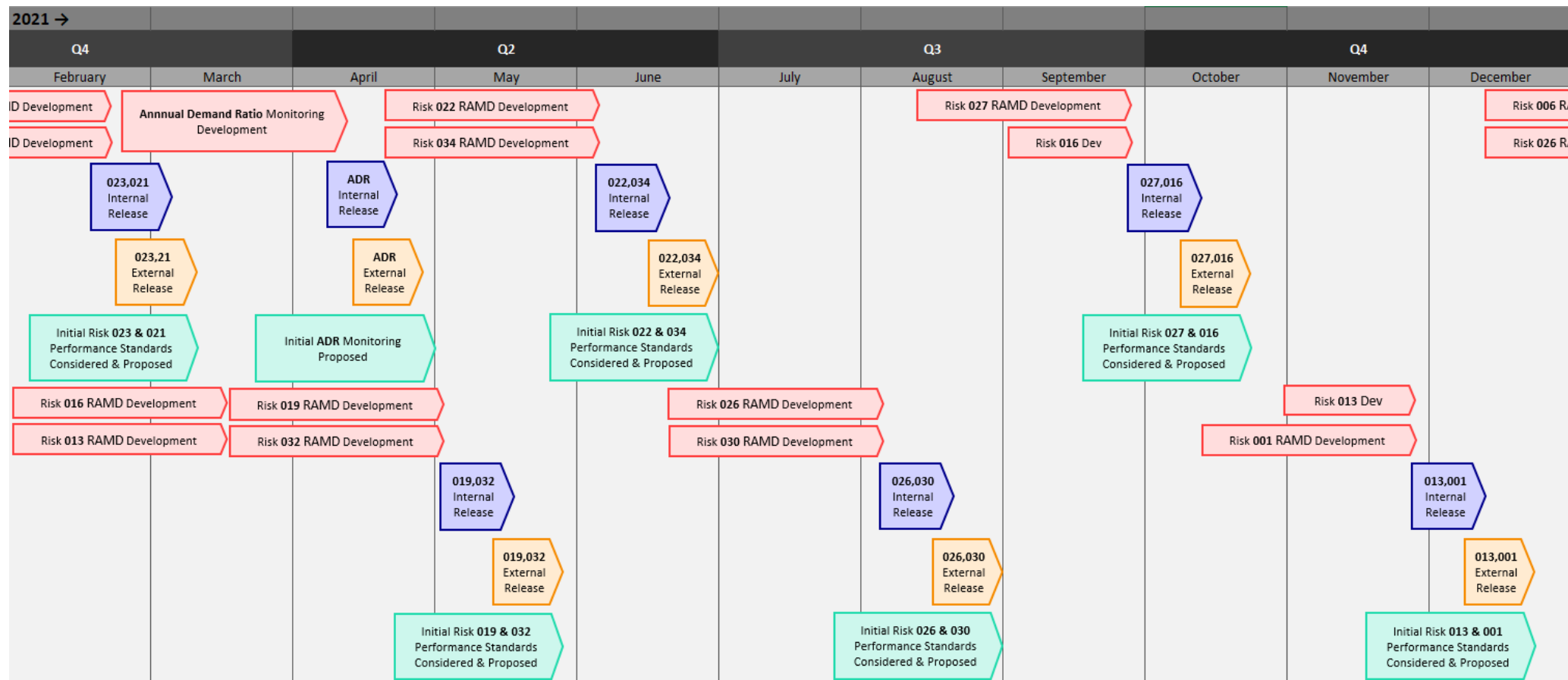
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Appendix 1 – Revised development delivery schedule

Risk ID	Market(s)	Risk Title - The risk that...	Release Schedule	
			Internal Release	External Release
3	SVA	SVA Metering Equipment is installed, programmed or maintained incorrectly including where Commissioning is performed incorrectly or not at all	Nov-2020	☒
7	SVA	SVA Metered data is not retrieved, such that the proportion of estimated data being used in Settlement contributes to performance standards not being met	Nov-2020	Nov-2020
5	SVA	A fault with SVA Metering Equipment is not resolved, such that metered data is recorded incorrectly or cannot be retrieved	Dec-2020	Dec-2020
12	SVA	SVA Metering System technical details are created incorrectly	Dec-2020	Dec-2020
23	CVA	A fault with CVA Metering Equipment is not resolved, such that Metered Data is recorded incorrectly or cannot be retrieved	Feb-2021	Feb-2021
21	CVA	CVA Metered Data is not retrieved, or processed correctly, or at all, by the CDCA	Feb-2021	Feb-2021
19	CVA	A Volume Allocation Unit is registered incorrectly or not at all, such that the CDCA does not collect any or the relevant data	May-2021	May-2021
32	CVA	Manual adjustments to CVA Metered Data are not completed correctly, or at all	May-2021	May-2021
22	CVA	Changes to CVA Metering Equipment are not notified to CDCA	Jun-2021	Jun-2021
34	CVA	The SVAA does not process or transfer the correct data or does not use approved default data.	Jun-2021	Jun-2021
26	CVA	Aggregation Rules in CDCA are incorrect such that CVA Metered Data is not correctly aggregated and the energy volumes required for Settlement are incorrect or missing	Aug-2021	Aug-2021
30	CVA	The ECVA does not carry out processes correctly, such that output files are inaccurate	Aug-2021	Aug-2021
27	both	Trading Parties do not or are unable to pay Trading Charges fully or at all, such that it triggers an Event of Default	Oct-2021	Oct-2021
16	SVA	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	Oct-2021	Oct-2021
13	SVA	Manual adjustments to Metered Data are not completed correctly, or at all	Dec-2021	Dec-2021
1	SVA	SVA Metering Point is registered incorrectly or not at all, such that metered data is not collected or aggregated	Dec-2021	Dec-2021
17	SVA	Exception reports are not sufficiently managed, such that material exceptions are not addressed at all or in a timely manner	Feb-2022	Feb-2022
11	SVA	Unmetered Supplies volumes are calculated incorrectly or not at all	Feb-2022	Feb-2022
18	SVA	Revenue protection processes are not managed sufficiently, such that unrecorded energy volumes are excluded from Settlement	Apr-2022	Apr-2022
8	SVA	SVA metered data is not processed or transferred correctly, or at all	Apr-2022	Apr-2022
25	SVA	Balancing Services provided by Virtual Lead Parties allow error to enter Settlement, such that the energy volumes required for Settlement are incorrect or missing	May-2022	Jun-2022
14	SVA	Agents are not appointed or de-appointed correctly, such that SMRS is not complete or up to date, members of the Supplier Hub do not hold the correct MPID of other Hub members or the appropriate agents are not appointed	Jun-2022	Jun-2022
6	SVA	On a change of agent, Meter Technical Details are not transferred or processed correctly or at all, such that parties do not use the latest Meter Technical Details	Jun-2022	Jun-2022
15	SVA	SVA reference data is not created or transferred correctly, or at all	Aug-2022	Aug-2022
10	SVA	On change of Data Collector, meter read history is incorrect or not transferred such that sufficient history is not available for validating and estimating energy volumes	Aug-2022	Aug-2022
4	SVA	Changes to SVA Metering Equipment are not notified, such that all members of the Supplier Hub do not use the current Meter Technical Details	Sep-2022	Sep-2022

Appendix 2 – Snapshot of revised project timeline



Appendix 3 – Draft Risk 16 Dashboard

Anonymised for inclusion within this public update.

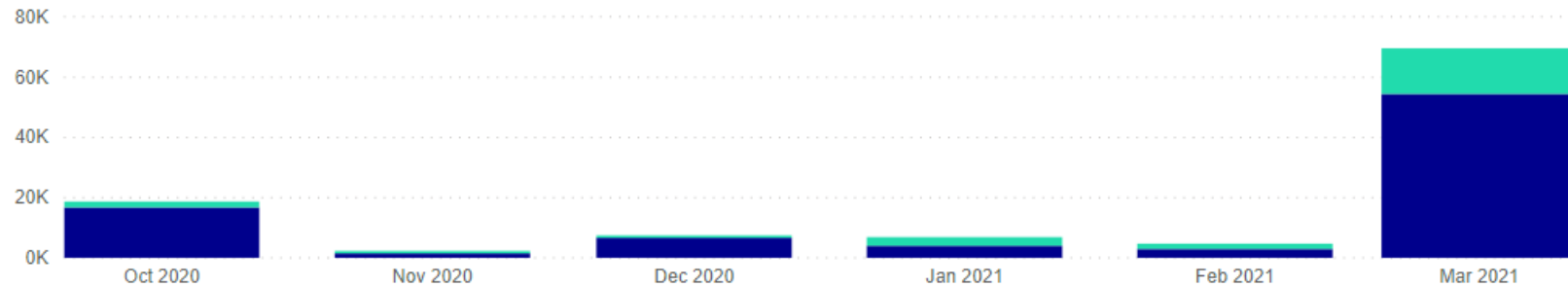
RF 16.1: Failure to notify of energisation status / change to energisation status

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Reporting Month: March 2021

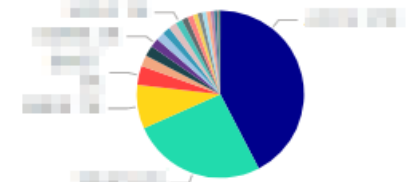
D0095 E12 Energisation Mismatches

● MPAS:D - DC:E ● MPAS:E - DC:D



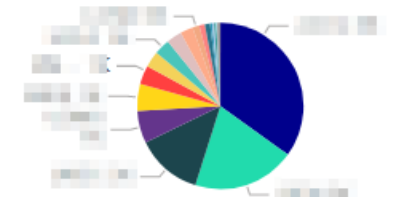
MPAS: D - DC: E

Qualified Person	October 2020	November 2020	December 2020	January 2021	February 2021	March 2021	Total
Person A	15498	784	6053	2742	1306	46388	72771
Person B	105	58	75	118	87	1684	2127
Person C	273	227	49	98	440	903	1990
Person D	139	108	79	189	621	688	1824
Total	16725	1465	6629	3988	2923	54424	86154



MPAS: E - DC: D

Qualified Person	October 2020	November 2020	December 2020	January 2021	February 2021	March 2021	Total
Person A	832	247	211	1248	588	8958	12084
Person B	147	18	34	103	35	970	1307
Person C	98	73	70	148	472	300	1161
Person D	146	14	46	161	52	697	1116
Person E	113	31	14	245	93	373	869
Total	1952	817	807	2883	1760	15147	23366



Please note: This report is based on industry data flows sent over the Data Transfer Network. It provides insight into market performance but not a complete view as Vertically Integrated BSC Parties may not use the DTN to communicate or exchange data with their Agents. Therefore the reports should not be used as the only source of information for decision making in Performance Assurance Determinations.

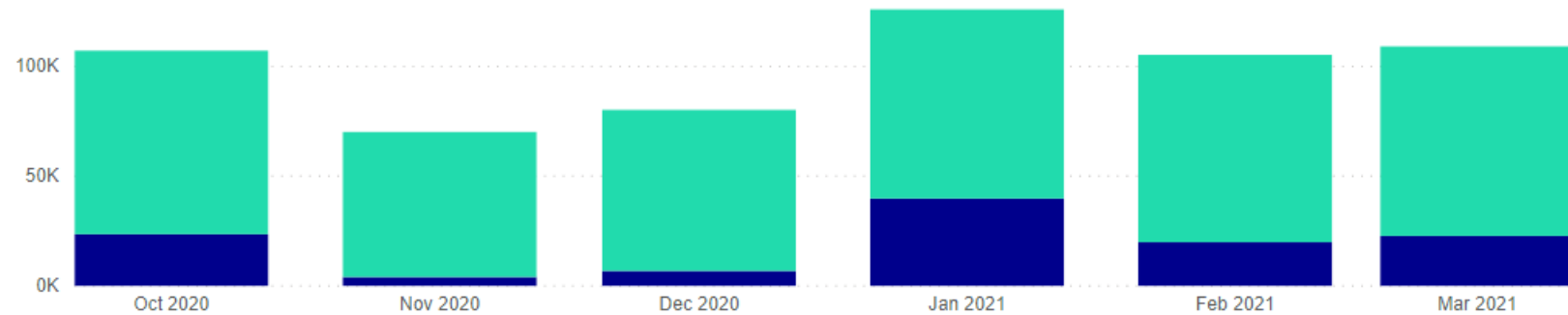
RF 16.1: Failure to notify of energisation status / change to energisation status

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Reporting Month: March 2021

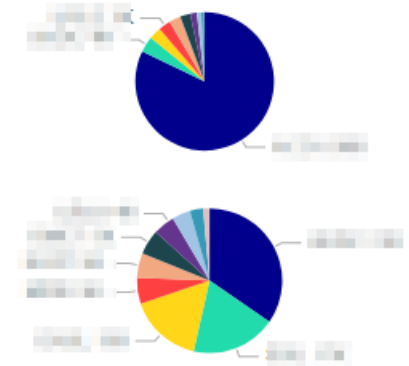
Non Zero AA for Denergised Meter

● NHH ● HH



NHH	Qualified Person	October 2020	November 2020	December 2020	January 2021	February 2021	March 2021	Total
	Electrician (Not Training)	20377	3093	5356	35500	15685	12406	92417
	Electrician (Training)	221	3	9	221	1380	3050	4884
	Electrician (Not Training)	507	37	150	619	254	1321	2888
	Electrician (Training)	418	151	10	145	120	913	1757
	Total	23514	4016	6816	39754	19849	22742	116691

HH	Qualified Person	October 2020	November 2020	December 2020	January 2021	February 2021	March 2021	Total
	Electrician (Not Training)	1234	1426	1978	1875	1814	2586	10913
	Electrician (Training)	2488	2074	1480	1601	1338	1347	10328
	Electrician (Not Training)	2089	2029	1429	1431	1472	1835	10285
	Total	16077	15776	15657	14648	13496	15200	90854



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