

ELELEXION

**MHHS – Performance Assurance Working
Group**

Meeting 7

02 May 2023

Agenda

	Agenda Item	Time	Page
1	Performance Reporting	10.00-11.00	
2	Break	11.00-11.15	
3	Supplier Charges	11.15-12.15	
4	Next Steps and AOB	12.15-12.30	

PERFORMANCE REPORTING

Central Services Risk 1

Risk ID	Risk Description/statement	Impacting Party	Interface Name	Interface Ref	Code
CE1	The risk that SVAA does not undertake and report processes and calculations correctly to enable Settlement volumes to be accurately processed and industry required reporting distributed on a timely and accurate basis resulting in missing or erroneous Settlement volumes.	Elexon Central Systems (ECS) (LSS)	Load Shape Period Data	IF_022	BSC
		Elexon Central Systems (ECS) (MDS)	Rejected - UTC Settlement Period Consumption Data	IF_014	BSC
		Elexon Central Systems (ECS) (MDS)	Notification of (calculated) Annual Consumption	IF_040	BSC
		Elexon Central Systems (ECS) (ISD)	Industry Standing Data Download	N/A	BSC and REC
		Elexon Central Systems (ECS) (MDS)	LDSO or Supplier report for DUoS	MHHS-REP-002	DCUSA
		Elexon Central Systems (ECS) (MDS)	Embedded Network report for DUoS	MHHS-REP-002A	DCUSA
		Elexon Central Systems (ECS) (VAS)	BM Unit Demand Volumes to Suppliers	MHHS-REP-003	BSC
		Elexon Central Systems (ECS) (VAS)	Supplier Deemed Take Report	MHHS-REP-004	BSC
		Elexon Central Systems (ECS) (MDS)	Aggregated Uncorrected volumes by CCC to	MHHS-REP-006	BSC
		Elexon Central Systems (ECS) (VAS)	VAS Exception Report to Suppliers (relating to	MHHS-REP-007	BSC
		Elexon Central Systems (ECS) (MDS)	MDS Exception Report to LDSOs (relating to LLF	MHHS-REP-008	BSC
		Elexon Central Systems (ECS) (MDS)	EMRS report for Suppliers	MHHS-REP-009	EMRS
		Elexon Central Systems (ECS) (MDS)	MDS Data for EMRS	ELEX-REP_020	EMRS
	Internal ECS flows	Numerous	Numerous	BSC	

- Do you agree this is a valid risk area?
- We propose to remove the DCUSA and EMRS flows from list of impacting interfaces as not Settlement impacting. Do you agree?

- What are the likely events that would result in this risk taking place when MHHS is implemented?
- System issues resulting in data not being calculated correctly produced or sent

- What are we able to monitor to determine if these events take place?
- Not a Performance Assurance Party- performance monitored and rectification action taken by Elexon (Not in PARMs BSCP)
- We could consider building a report for the internal flows to ensure that acknowledgements are received and build exception reporting from that. We could also request API DIP flow exception reporting to determine where high impact reports are not picked up.
- BSC Audit to check accuracy

- What does good look like and what is unacceptable?
- 100% against timescales

- How does this compare to what we have now?
- This data does not currently enter Central Systems at this level of granularity
- Similar level of coverage where requirements are unchanged

Central Services Risk 2

Risk ID	Risk Description/statement	Impacting Party	Interface Name	Interface Ref	Code
CE2	The Risk that Performance Assurance Parties do not update their systems in a timely and appropriately or at all in response to SVAA reporting resulting in missing or erroneous Settlement volumes.	Supplier	Load Shape Period Data	IF_022	BSC
		Data Services			
		Data Services	Rejected - UTC Settlement Period Consumption Data	IF_014	BSC
		Supplier			
		Supplier	Notification of (calculated) Annual Consumption	IF_040	BSC
		LDSO			
		EES			
All	Industry Standing Data Download		BSC		

- Do you agree this is a valid risk area?
- What are the likely events that would result in this risk taking place when MHHS is implemented?
 - System issues
 - Poor processes
 - Poor training or resourcing
- What are we able to monitor to determine if these events take place?
 - BSC Audit as need to check received and processed correctly
- What does good look like and what is unacceptable?
 - 100% against BSCPs and Settlement Calendar
- How does this compare to what we have now?
 - This data does not currently enter Central Systems at this level of granularity

Central Services Risk 3

Risk ID	Risk Description/statement	Impacting Party	Interface Name	Interface Ref	Code
CE3	The Risk that Performance Assurance Parties do not update ISD accurately and/or in a timely manner resulting inaccurate standing data which could lead to missing or erroneous Settlement Volumes.	All	Industry Standing Data entity forms	See ISD Entity Forms	BSC

- Do you agree this is a valid risk area?
- What are the likely events that would result in this risk taking place when MHHS is implemented?
 - System issues
 - Poor processes
 - Poor training or resourcing
- What are we able to monitor to determine if these events take place?
 - ISD will go through a validation and committee sign off process (but this may need to be accelerated for market entry/exit/organisation changes)
 - We believe a sample based audit activity rather than performance reporting would best capture this area.
- What does good look like and what is unacceptable?
 - These forms should not contain inaccurate information
 - These forms should be submitted in a timely manner when required
- How does this compare to what we have now?
 - Similar levels of reporting to MDD which ISD will replace

Central Services Risk 4

Risk ID	Risk Description/statement	Impacting Party	Interface Name	Interface Ref	Code
CE4	The risk that the DIP does not distribute industry data accurately or in a timely manner resulting in settlement volumes being inaccurate	DIP	All DIP Interfaces	Numerous	BSC and REC

- Do you agree this is a valid risk area?
- What are the likely events that would result in this risk taking place when MHHS is implemented?
 - System issues
 - Poor processes
- What are we able to monitor to determine if these events take place?
 - Not a Performance Assurance Party- performance monitored and rectification action taken by Elexon (Not in PARMS BSCP)
 - The DIP Manager will carry out assurance of the DIP Service Provider and undertake assurance checks including monitoring SLAs
 - We could request reporting is put in place to share this information
- What does good look like and what is unacceptable?
 - In line with BSC, BSCP and SLA requirements
- How does this compare to what we have now?
 - An entirely new process

Central Services Risk 5

Risk ID	Risk Description/statement	Impacting Party	Interface Name	Interface Ref	Code
CE5	The risk that the DTN does not distribute industry data accurately or in a timely manner resulting in settlement volumes being inaccurate	DTN	All DTN Interfaces	Numerous	BSC and REC

- Do you agree this is a valid risk area?
- What are the likely events that would result in this risk taking place when MHHS is implemented?
 - System issues
 - Poor processes
- What are we able to monitor to determine if these events take place?
 - Not a Performance Assurance Party- (Not in PARMS BSCP)
 - DTN notifications
 - Participants informing Elexon of issues
- What does good look like and what is unacceptable?
 - Is it appropriate to articulate this?
- How does this compare to what we have now?
 - No change

DTN - Retained flows - 1

- Have principally looked at DIP interfaces as the key MHHS requirements but now a clearer view on which DTN flows will be retained.
- Have to consider how these fit into the picture and how best to identify and monitor risks and issues that could emerge
- Elexon and REC have arrangements currently with Eletralink to obtain some DTN flows where they are able to monitor potential issues in the market
- However, as the use of the DTN is not mandatory this will not always provide full coverage and the flows obtained as a means of monitoring them should be re-assessed for MHHS
- We have set out the key DTN flows being retained and considered how they could fit within the work already undertaken

DTN - Retained flows – Metering Risks

Risk ID	Risk Description/statement	Impacting Party	Impacted Parties	Interface Name	Interface Ref	Code
ME1	The risk that Metering Systems are not appropriately installed, commissioned or maintained on a timely basis or details transferred appropriately leading to erroneous or missing Settlement volumes	LDSO	Suppliers and MSA	Notification of Commissioning Information.	D0383	BSC
		MSA		Notification of Commissioning Status	D0384	REC
				Notification of failure to install or energise a Metering System	D0221	REC
ME2	The risk that site and Metering System Technical Details are not appropriately maintained or transferred on a timely basis leading to erroneous or missing Settlement volumes	LDSO	LDSO, Suppliers, MSA, MSS and ADS SDS	Provision of Site Technical Details	D0215	BSC
		MSS		Notification of Mapping Details	D0149	REC
		MSA		Notification of Traditional MTDs	D0150	REC
				Notification of Advanced MTDs	D0268	REC
ME3	The risk that energisation, de-energisation and disconnections are not undertaken correctly or that records and reports are not updated accurately and/or in a timely manner leading to erroneous or missing Settlement volumes	Supplier	MSS/MSA	Request for Installation or Change to a Metering System Functionality or the Removal of All Meters	D0142	REC
			LDSO			BSC
			LDSO			Request for Disconnection of Supply
		Supplier	Request to Change Energisation Status	D0134	BSC	
		LDSO	LDSO, Suppliers, MSA, MSS and ADS SDS	Confirmation or rejection of Energisation Status Change.	D00139	BSC
		MS				Confirmation or rejection of Energisation Status
		LDSO		Confirmation of Energisation/De-Energisation of Prepayment Meter.	D0179	LDSO
		MS	LDSO	Rejection of Disconnection	D0262	REC
		LDSO				BSC
ME4	The Risk that Metering System faults are not identified or appropriately raised leading to erroneous or missing Settlement volumes	ADS and MSA	MSA, ADS and Supplier	Request for Metering System Investigation	D0001	BSC for ADS and REC for MSA and Supplier
				Fault Resolution Report or Request for Decision on Further Action	D0002	
				Instruction on Action	D0005	
		Supplier		Request for Metering System Investigation	D0001	
ME5	The Risk that Metering System faults are not fixed leading to erroneous or missing Settlement volumes	MSA	MSA, ADS and Supplier	Fault Resolution Report or Request for Decision on Further Action	D0002	REC
				Instruction on Action	D0005	

- There are a numerous DTN flows being retained that relate to Metering activity. We recommend a new set of risks which relate to these.
- We have maintained the same approach of identifying the “impacting party” here which helps with alignment to the right type of Code governance and to drive the best type of assurance.
- For the BSC related areas we will investigate obtaining the relevant flows but due to the non mandatory use of the DTN recommend BSC Auditor Technical Assurance check used over Performance Reporting.

DTN - Retained flows – Additional Data Services Risk

Risk ID	Risk Description/statement	Impacting Party	Impacted Parties	Interface Name	Interface Ref	Code
DA8	The risk that Meter Reads are not obtained where required or where the failure to obtain Meter Reads is not robustly managed leading to missing Settlement volumes.	ADS	ADS SDS Supplier	Meter Readings	D0010	BSC
		SDS				
		Supplier				
		MSS				
		MSA				
		LDSO				
		ADS	Supplier	Notification of Failure to obtain Reading	D0004	BSC
		SDS				
DA9	The risk that Change of Supply disputed reads are not identified or not resolved and processed in a timely manner resulting in erroneous Settlement volumes	Supplier	ADS SDS Supplier	Disputed Readings or Missing Readings on Change of Supplier	D0300	BSC and REC
		ADS				
		SDS				

- There are a numerous DTN flows being retained that relate or significantly impact Data Services activity. We recommend adding these to the Data Services Risks.
- We have maintained the same approach of identifying the “impacting party” here which helps with alignment to the right type of Code governance and to drive the best type of assurance.
- For the BSC related areas we will investigate obtaining the relevant flows but due to the non mandatory use of the DTN recommend BSC Auditor Technical Assurance check used over Performance Reporting.

DTN - Retained flows – UMS Risk

Risk ID	Risk Description/statement	Impacting Party	Impacted Parties	Interface Name	Interface Ref	Code
UN1	The risk that the UMSO does not submit UMS Inventory when required leading to missing or erroneous Settlement Volumes	UMSO	UMSDS and Supplier	UMS Inventory	D0388	BSC
UN2	The risk that the UMSDS does not receive, validate or process the UMS inventory when required leading to missing or erroneous Settlement Volumes	UMSO	Supplier	UMS Inventory Response	D0389	BSC

- There are a numerous DTN flows being retained that relate or significantly impact UMS. We recommend a two UMS Risks to address this.
- We believe that the BSC Audit is the most appropriate approach to reviewing these processes, particularly the population of the Inventory and its validation.

BREAK

SUPPLIER CHARGES

HIGH LEVEL PRINCIPLES

High Level Principles

- Applies from M15
- Separate to Performance Standards
- Based on a push to achieve 100%
 - Above the average performance rewarded via redistribution - market share and performance.
- Charge based on MWh of estimation
- Different estimation types have different weighting
- Age of estimation also impacts the charge
- Redistribution - closed loop
 - Funds collected divided equally over Supplier's accurate volumes

SUPPLIER CHARGES METHODS

Supplier Charges Methods (1)

Applicable Settlement Runs

- SF and RF Runs
- SF – first run with full set of data – indicative charge
- Further charge at RF

Accessing the Industry Standing Data

- Supplier Charges service must access ISD
- MHHS CCC definitions set up to reflect the estimation categories – ADS, SDS and UMSDS Method Statements
- CCC IDs allow Supplier to validate the reporting
- Outline of proposed CCC IDs in Appendix 1
- Consumption to be based in MWh

Supplier Charges Methods (2)

Definition of Actual

- Single time period that contains a valid value, collected from a Metering System or generated using specific estimation methodologies
- Flagged by Data Services with A, A1, A2, A3 as per the appropriate MHHS Method Statement
- For Supplier Charges, definition expanded to account for the 'best' data that each meter category
- Will not refer to this as Actual data but 'Accurate' data to avoid confusion
- For each category (Smart, AMR, Traditional [or Opted out equivalents] or UMS), will be estimation flags that are treated as Accurate data
- These additional flags will be 'E1', 'E2', 'E6T'.
- Best flag a Smart meter can have is 'A'; Opted out Smart meter could only reach 'E2'; Traditional meter only able to achieve 'E6T'
- PAB to have authority to amend the estimation categories

Determination of CCC ID Scaling Weights

- Legacy systems: use GCF to account for all error, evenly applied this factor to all NHH data
- Supplier Charges and Performance Monitoring will mirror or create own Scaling Weights
 - Accounts for differences between estimation methods and impact on Settlement
 - Worst estimation methods (such as using Default) have highest weighting, Estimation based on Actual from last week have lowest weightings
 - Focus the Charges towards MSIDs causing biggest error within Settlement
- Data flagged as Accurate or Actual will not have a Scaling Weight - treated as a true value
- ISD contains Group Correction Scaling Weights for each CCC
- Other methodologies to determine the CCC ID scaling weights to be determined by PAB
- Noted – MHHS Change required

Supplier Charges Methods (3)

Age Scaling Factors

- Age Scaling factors take into account age of estimation
- Some estimation methods are infinite in use - over time, data they are based on becomes older - increases likelihood it is no longer relevant
- Factor will be applied on top of Scaling Weights - creates measurable difference between short and prolonged use of estimation methods
- Factors will only exist for estimation methods unlimited in span
- PAB to have flexibility to review and amend estimation methods liable for an Age Scaling Factor

Charge (£/MWh)

- Charge to be £/MWh, bounded variable with the BSC
- Value applied per year to be within an allowable range set by PAB

Setting Initial Charge

- Data modelling exercise, consultant with industry - determine initial charges
- Charges to be approved by PAB

Charge Cap

- No Supplier Cap
- PAB to have authority to set a cap on total collected, across all Suppliers
- Should overall CAP be exceeded, flexibility to factor charges per Supplier to be at the overall cap as per PABs authority

Adjustment to Charges and Charge Caps

- Reviewed annually, aligned to the Retail Price Index, approved by PAB

DCC/ Material Comms outages

- Formal notification of material outage to the DCC (or nationwide communications network), PAB have flexibility to suspend charges

NEXT STEPS

AOB