



## CP1265 Attachment H – Proposed Changes to IDD Part 2 v22.0

### 1 Introduction

[NO CHANGE PROPOSED TO THIS SECTION]

### 2 Common Interface Conventions

[NO CHANGE PROPOSED TO THIS SECTION]

### 3 External Interface Summary

This section provides convenient summary lists of the interfaces by system / party. Note that this section defines the default rules for distribution of reports: copies of other reports may be requested through BSCCo Ltd. using the Flexible Reporting procedure.

#### 3.1 Interfaces by NETA Agent

The interfaces to each Agent are listed in the following tables. Interfaces which are defined in Part 1 are not included in these tables.

##### 3.1.1 BMRA Interfaces

[NO CHANGE PROPOSED TO THIS SECTION]

##### 3.1.2 CDCA Interfaces

Agent-id	Name	Dir'n	User	Type
CDCA-I016	Metering System Details Request	from	TAA (1004)	Manual
CDCA-I020	Site Visit Inspection Report	from	CDCA Site Visit Agent	Manual
CDCA-I022	Distribution Line Loss Factors	From	BSCCo Ltd	Electronic data file transfer
CDCA-I023	Missing Line Loss Factors	To	BSCCo Ltd	Manual
CDCA-I027	Aggregated Interconnector Meter Flow Volumes	to	SAA (1004)	via shared database
CDCA-I028	Aggregated BM Unit Metered Volumes	to	SAA (1004)	via shared database
CDCA-I032	Data Collection and Aggregation Performance Report	to	BSCCo Ltd	Manual
CDCA-I035	Site Visit Report on Aggregation Rule compliance	from	CDCA Site Visit Agent	Manual
CDCA-I036	GSP Group Take to SAA	to	SAA (1004)	via shared database
CDCA-I039	Exchange of information with TAA	to	TAA (1005)	Manual
CDCA-I043	GSP Group Take to SVAA	to	SVAA	Electronic data file transfer, Pool Transfer File

Agent-id	Name	Dir'n	User	Type
				Format
CDCA-I049	Total Demand per GSP	to	SO	Electronic data file transfer
CDCA-I051	Report Meter Technical Details	to	SO	Manual
CDCA-I055	Transfer from SMRS information	from	Transfer Coordinator	Manual
CDCA-I056	Transfer from SMRS report	to	Transfer Coordinator	Manual
CDCA-I057	Transfer to SMRS information	from	Transfer Coordinator	Manual
CDCA-I058	Transfer to SMRS report	to	Transfer Coordinator	Manual
CDCA-I061	Receive System Parameters	From	BSCCo Ltd	Manual
CDCA-I062 <sup>1</sup>	Receive Sample Settlement Periods	from	BSCCo Ltd	Manual
CDCA-I063 <sup>2</sup>	Metered Volume Data for Sample Settlement Periods	to	TLFA	Manual
CDCA-I064	MOA Proving Tests Report	To	BSCCo Ltd	Manual
CDCA-I065	MOA Fault Resolution Report	To	BSCCo Ltd	Manual

3.1.3 CRA Interfaces

**[NO CHANGE PROPOSED TO THIS SECTION]**

3.1.4 ECVAA Interfaces

**[NO CHANGE PROPOSED TO THIS SECTION]**

3.1.5 SAA Interfaces

**[NO CHANGE PROPOSED TO THIS SECTION]**

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<sup>1</sup> This flow was added for the Introduction of Zonal Transmission Losses on an Average Basis (P82), but will not be used.

<sup>2</sup> This flow was added for the Introduction of Zonal Transmission Losses on an Average Basis (P82), but will not be used.

### 3.1.6 TAA Interfaces

Agent-id	Name	Dir'n	User	Type
TAA-I001	Annual number of site visits	from	BSCCo Ltd	Manual
TAA-I002	Agree Metering systems to be subject to Revisited site visits.	to	BSCCo Ltd	Manual
TAA-I003	Notify Metering Systems to be subject to Targeted, Urgent or Additional site visits	from	BSCCo Ltd	Manual
TAA-I004	Request for Metering System Details	to	CDCA (I016)	Manual
TAA-I005	Metering System Details	from	CDCA (I039)	Manual
TAA-I010	Report to BSCCo Ltd	to	BSCCo Ltd	Manual
TAA-I015	List of Metering systems	from	CRA (I022)	Manual
TAA-I017	Approved Metering Dispensation	from	BSCCo Ltd	Manual
TAA-I018	Metering Dispensation Application	from	BSCCo Ltd	Manual
TAA-I019	Metering Dispensation Result	from	BSCCo Ltd	Manual
TAA-I020	Metering Dispensation Appeal Result	from	BSCCo Ltd	Manual

## 3.2 Interfaces by Corresponding Party

The interfaces to each corresponding party are listed in the following tables. Interfaces which are defined in Part 1 **are** included in these tables, in italic font.

3.2.1 BSCCo Ltd Interfaces

Dir'n	User	Agent-id	Name	Type
To	SO	BMRA-I010	Data Exception Reports	Electronic data file transfer
To	BSCCo Ltd	BMRA-I011	Performance Reports	Manual
from	BSCCo Ltd	BMRA-I012	System Parameters	Manual
To	BSCCo Ltd	BMRA-I013	BMRA BSC Section D Charging Data	Manual
to	BSCCo Ltd	CDCA-I014	Estimated Data Report (Part 1)	Electronic data file transfer
from	BSCCo Ltd	BMRA-I016	Receive Market Index Data Provider Thresholds	Manual
To	BSCCo Ltd	BMRA-I017	Report Market Index Data Provider Thresholds	Manual
to	BSCCo Ltd	CDCA-I018	MAR Reconciliation Report (Part 1)	Manual
to	BSCCo Ltd	CDCA-I019	MAR Remedial Action Report (Part 1)	Manual
from	BSCCo Ltd	CDCA-I022	Distribution Line Loss Factors	Electronic data file transfer
To	BSCCo Ltd	CDCA-I023	Missing Line Loss Factors	Manual
To	BSCCo Ltd	CDCA-I032	Data Collection and Aggregation Performance Report	Manual
from	BSCCo Ltd	CDCA-I043	Receive Exempt Export Registration Data	Manual
To	BSCCo Ltd	CDCA-I047	Correspondence Receipt Acknowledgement (Part 1)	Manual
from	BSCCo Ltd	CDCA-I061	Receive System Parameters	Manual
From	BSCCo Ltd	CDCA-I062	Receive Sample Settlement Periods <sup>3</sup>	Manual
from	BSCCo Ltd	CRA-I001	BSC Party Registration Data (Part 1)	Manual
to	BSCCo Ltd	CDCA-I064	MOA Proving Tests Report	Manual
to	BSCCo Ltd	CDCA-I065	MOA Fault Resolution Report	Manual
to	BSCCo Ltd	CRA-I001	BSC Party Registration Data (Part 1)	Manual
from	BSCCo Ltd	CRA-I003	BSC Party Agent Registration Data (Part 1)	Manual
from	BSCCo Ltd	CRA-I004	BSC Service Agent Details	Manual
To	BSCCo Ltd	CRA-I007	Boundary Point and System Connection Point Registration Data (Part 1)	Manual
from	BSCCo Ltd	CRA-I011	CALF	Manual
to	BSCCo Ltd	CRA-I013	Issue Authentication Report	Electronic data file transfer
to	BSCCo Ltd	CRA-I014	Registration Report	Manual
to	BSCCo Ltd	CRA-I020	Operations Registration Report	Electronic data file transfer
to	BSCCo Ltd	CRA-I028	NGC Standing Data Report	Electronic data file transfer
from	BSCCo Ltd	CRA-I029	Transmission Loss Factors	Manual
to	BSCCo Ltd	CRA-I032	CRA Performance Reports	Manual
from	BSCCo Ltd	CRA-I034	Flexible Reporting Request	Manual
to	BSCCo Ltd	CRA-I035	CRA BSC Section D Charging Data	Electronic data file transfer
from	BSCCo Ltd	CRA-I042	Market Index Data Provider Registration Data	Manual
from	BSCCo Ltd	CRA-I044	Withdrawals Checklist Request	Manual
to	BSCCo Ltd	CRA-I047	Withdrawals Checklist	Manual
to	BSCCo Ltd	ECVAA-I017	ECVAA Performance Report	Manual
to	BSCCo Ltd	ECVAA-I021	Credit Limit Warning	Manual
to	BSCCo Ltd	ECVAA-I023	ECVAA BSC Section D Charging Data	Electronic data file transfer
to	BSCCo Ltd	ECVAA-I026	Minimum Eligible Amount Rule Request	Manual
from	BSCCo Ltd	ECVAA-I027	Minimum Eligible Amount Rule Confirmation	Manual
from	BSCCo Ltd	ECVAA-I032	Credit Assessment Price	Manual
to	BSCCo Ltd	ECVAA-I040	Issue Notification System Status Report	Manual
from	BSCCo Ltd	ECVAA-I041	Party Credit Default Authorisation Details	Manual
from	BSCCo Ltd	ECVAA-I049	Request to remove all ECVNs and MVRNs from	Manual

<sup>3</sup> This flow was added for the Introduction of Zonal Transmission Losses on an Average Basis (P82), but will not be used.

Dir'n	User	Agent-id	Name	Type
			ECVAA for a Party in Section H Default	
to	BSCCo Ltd	ECVAA-I050	Remove all ECVNs and MVRNs from ECVAA for a Party in Section H Default Feedback	Manual
from	BSCCo Ltd	SAA-I010	BSCCo Ltd Costs (Redundant)	Electronic data file transfer
from	BSCCo Ltd	SAA-I012	Dispute Notification (Part 1)	Manual
to	BSCCo Ltd	SAA-I014	Settlement Report	Electronic data file transfer
To	BSCCo Ltd	SAA-I016	Settlement Calendar (Part 1)	Manual
to	BSCCo Ltd	SAA-I018	Dispute Report (Part 1)	Manual
to	BSCCo Ltd	SAA-I019	BSC Party Performance Reports (Redundant)	Electronic data file transfer
to	BSCCo Ltd	SAA-I020	SAA Performance Reports	Manual
from	BSCCo Ltd	SAA-I023	System Parameters	Manual
To	BSCCo Ltd	SAA-I025	SAA BSC Section D Charging Data	Electronic data file transfer
To	BSCCo Ltd	SAA-I02	Report pre-settlement run validation failure	Manual
From	BSCCo Ltd	SAA-I028	Receive settlement run decision	Manual
From	BSCCo Ltd	SAA-I029	Receive settlement run instructions	Manual
from	BSCCo Ltd	SAA-I031	Receive Market Index Data Provider Thresholds	Manual
to	BSCCo Ltd	SAA-I032	Report Market Index Data Provider Thresholds	Manual
to	BSCCo Ltd	SAA-I034	Report Recommended Data Change	Manual
from	BSCCo Ltd	SAA-I035	Receive Instruction for Data Change	Manual
to	BSCCo Ltd	SAA-I036	Report Confirmation of Data Change	Manual
from	BSCCo Ltd	SAA-I038	Excluded Emergency Acceptance Pricing Information	Manual
to	BSCCo Ltd	SAA-I039	Send Excluded Emergency Acceptance Dry Run Results	Manual
from	BSCCo Ltd	SAA-I040	Receive Authorisation To Proceed With Full Settlement Run	Manual
from	BSCCo Ltd	TAA-I001	Annual number of site visits	Manual
to	BSCCo Ltd	TAA-I002	Agree Metering systems to be subject to Revisited site visits.	Manual
from	BSCCo Ltd	TAA-I003	Notify Metering Systems to be subject to Targeted, Urgent or Additional site visits	Manual
to	BSCCo Ltd	TAA-I009	Non compliance / compliance notice (Part 1)	Manual
to	BSCCo Ltd	TAA-I010	Report to BSCCo Ltd	Manual
from	BSCCo Ltd	TAA-I017	Approved Metering Dispensation	Manual
from	BSCCo Ltd	TAA-I018	Metering Dispensation Application	Manual
from	BSCCo Ltd	TAA-I019	Metering Dispensation Result	Manual
from	BSCCo Ltd	TAA-I020	Metering Dispensation Appeal Result	Manual

3.2.2 FAA Interfaces

[NO CHANGE PROPOSED TO THIS SECTION]

3.2.3 System Operator Interfaces

[NO CHANGE PROPOSED TO THIS SECTION]

3.2.4 Stage 2 Interfaces

[NO CHANGE PROPOSED TO THIS SECTION]

3.2.5 Transfer Coordinator Interfaces

[NO CHANGE PROPOSED TO THIS SECTION]

3.2.6 TLFA Interfaces<sup>4</sup>

**[NO CHANGE PROPOSED TO THIS SECTION]**

3.2.7 Internal Interfaces

From	To	Name	Type
BMRA-I007	SAA-I003	SAA Balancing Mechanism Data	Electronic data file transfer
BMRA-I007	ECVAA-I048	SAA/ECVAA Balancing Mechanism Data	Electronic data file transfer
<i>BMRA-I010</i>	<i>CRA-I030</i>	<i>Data Exception Reports</i>	<i>Electronic data file transfer</i>
CDCA-I027	SAA-I004	Aggregated Interconnector Meter Flow Volumes	via shared database
CDCA-I028	SAA-I004	Aggregated BM Unit Metered Volumes	via shared database
CDCA-I036	SAA-I004	GSP Group Take to SAA	via shared database
<del>CDCA-I039</del>	<del>TAA-I005</del>	<del>Exchange of information with TAA</del>	<del>Manual</del>
CDCA Site Visit Agent	CDCA-I020	Site Visit Inspection Report	Manual
CDCA Site Visit Agent	CDCA-I035	Site Visit Report on Aggregation Rule compliance	Manual
CRA-I013	ECVAA-I001	Issue Authentication Report	Electronic data file transfer
CRA-I013	SAA-I001	Issue Authentication Report	Via shared database
CRA-I015	BMRA-I001	BM Unit and Energy Account Registration Data	Electronic data file transfer
CRA-I013	BMRA-I001	Issue Authentication Report	Electronic data file transfer
CRA-I015	ECVAA-I001	BM Unit and Energy Account Registration Data	Electronic data file transfer
CRA-I015	SAA-I001	BM Unit and Energy Account Registration Data	Via shared database
CRA-I017	ECVAA-I001	Credit Assessment Export Capability	Electronic data file transfer
CRA-I017	SAA-I002	Credit Assessment Export Capability	Via shared database

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<sup>4</sup> TLFA functionality was added for the Introduction of Zonal Transmission Losses on an Average Basis (P82), but will not be used.

From	To	Name	Type
CRA-I019	CDCA-I002	Registration Data	Via shared database
<del>CRA-I022</del>	<del>TAA-I015</del>	<del>Metering System Details</del>	<del>Manual</del>
CRA-I036	ECVAA-I030	Notification Agent Termination Request	Manual
ECVAA-I011	SAA-I008	Account bilateral Contract Volume Report	Electronic data file transfer
ECVAA-I012	SAA-I008	MVR Notification Report	Electronic data file transfer
ECVAA-I016	CRA-I030	ECVAA Data Exception Report	Electronic data file transfer
ECVAA-I031	CRA-I037	Notification Agent Termination Feedback	Manual
ECVAA-I036	BMRA-I018	Publish Credit Default Notices	Electronic data file transfer
ECVAA-I047	CRA-I045	Withdrawing Party Authorisation and Notification Details	Manual
SAA-I013	ECVAA-I033	Credit/Debit Reports	Electronic data file transfer
SAA-I016	CDCA-I034	Settlement Calendar (Part 1)	Manual
SAA-I017	CDCA-I050	Data Exception Reports (Part 1)	Via shared database
SAA-I017	CRA-I030	Data Exception Reports (Part 1)	Via shared database
SAA-I017	ECVAA-I020	Data Exception Reports (Part 1)	Electronic data file transfer
SAA-I037	CRA-I046	Withdrawing Party Settlement Details	Via shared database
<del>TAA-I004</del>	<del>CDCA-I016</del>	<del>Information from TAA</del>	<del>Manual</del>

#### 4 Interfaces From and To Multiple Parties

[NO CHANGE PROPOSED TO THIS SECTION]

#### 5 Interfaces From and To System Operators

[NO CHANGE PROPOSED TO THIS SECTION]

#### 6 Interfaces From and To FAA

[NO CHANGE PROPOSED TO THIS SECTION]

#### 7 Interfaces From and To BSCCo Ltd

##### 7.1 BMRA-I010: (output, common) Data Exception Reports

This interface is defined in Part 1 of the Interface Definition and Design.

## 7.2 BMRA-I011: (output) Performance Reports

Interface ID: BMRA-I011	User: BSCCo Ltd	Title: Performance Reports	ITT reference: BMRA SD B1, B2, B3, B4, B5, B6, B7, P78
Mechanism: Manual, probably in whole or in part produced using a report-formatting tool.	Frequency: Monthly	Volumes: As required.	
<p><b>Interface Requirement:</b></p> <p>The BMRA Service shall issue Performance Reports to the BSCCo Ltd on a monthly basis.</p> <p>Performance reports shall include the following:</p> <ol style="list-style-type: none"> <li>1. All occurrences of BMRA outages exceeding 30 minutes;</li> <li>2. All occurrences of valid registration data not incorporated in BMRA systems within 1 hour of receipt;</li> <li>3. All occurrences of valid new or updated system related data not published within 5 minutes of receipt;</li> <li>4. All occurrences of valid new balancing mechanism data not published within 5 minutes of receipt;</li> <li>5. All occurrences of derived data not published within 15 minutes of settlement period end;</li> <li>6. All tested occurrences of high grade BMR service user main screen not loaded within 10 seconds;</li> <li>7. All tested occurrences of high grade BMR service user switch screen operations that exceed 1 second;</li> <li>8. All tested occurrences of high grade BMR service user data downloads that do not begin within 1 minute of request.</li> </ol> <p>BMRA will report on the performance of the Market Index Data Providers. This performance data will include the following information:</p> <p style="margin-left: 40px;">Month Ending Date  Market Index Data Provider Identifier  Number of Settlement Periods for which Market Index Data was not provided  Number of Settlement Periods where Individual Liquidity Threshold required default by BMRA  Number of Settlement Periods where zeroes were used in Indicative Calculations</p>			
<p><b>Physical Interface Details:</b></p>			

## 7.3 BMRA-I012: (input) System Parameters

<b>Requirement ID:</b> BMRA-I012	<b>Status:</b> Mandatory	<b>Title:</b> System Parameters	<b>ITT reference:</b> CR 003, P10, P18A, P194
<b>Mechanism:</b>	<b>Frequency:</b>	<b>Volumes:</b>	



<b>Requirement ID:</b>	<b>Status:</b>	<b>Title:</b>	<b>ITT reference:</b>
BMRA-I012	Mandatory	System Parameters	CR 003, P10, P18A, P194
Manual	Ad-hoc	Low – typically one or two per month	
<p>Interface Requirement:</p> <p>The BMRA Service shall receive the following system parameters from the BSCCo Ltd via a manual interface, expected to be either a fax or telephone call:</p> <ul style="list-style-type: none"> <li>Effective from Settlement Date</li> <li>Effective from Settlement Period (1-50)</li> <li>Effective to Settlement Date</li> <li>Effective to Settlement Period (1-50)</li> <li>ETLMO+</li> <li>ETLMO-</li> <li>Arbitrage Flag</li> <li>NRL<sub>j</sub> (Notional Reserve Limit) (MW)</li> <li>DMAT<sub>d</sub> (De Minimis Acceptance Threshold) (MWh)</li> <li>CADL<sub>d</sub> (Continuous Acceptance Duration Limit (minutes)</li> <li>PAR<sub>d</sub> (Price Averaging Reference Volume) (MWh) (0-9,999,999,999)</li> </ul>			
<b>Physical Interface Details:</b>			
<p>The BSCCo Ltd system parameter values shall continue to apply to all settlement periods, until a change to a parameter is made.</p>			
<b>Issues:</b>			

**7.4 BMRA-I013: (output) BMRA BSC Section D Charging Data**

<b>Interface ID:</b> BMRA-I013	<b>User:</b> BSCCo Ltd	<b>Title:</b> BMRA BSC Section D Charging Data	<b>ITT reference:</b> CR 65, CN160
<b>Mechanism:</b> Manual	<b>Frequency:</b> Monthly	<b>Volumes:</b>	
<b>Interface Requirement:</b>			
<p>The system shall, on the 15<sup>th</sup> working day of each month, collect information required for charging BSC parties under Section D of the Code and send this to BSCCo Ltd.</p> <p>The information included shall be:</p> <p>Month</p> <ul style="list-style-type: none"> <li>Participant Id</li> <li>Participant Name</li> <li>Count of Physical lines installed</li> <li>Count of Comms Base Software (up to 5 users)</li> <li>Count of Comms additional Software (each additional user)</li> </ul> <p>Each month the information will be produced for both the previous calendar month and the month before that. Data used shall be the latest available data from Interim Run and Initial Run only</p>			
<b>Physical Interface Details:</b>			

**7.5 CDCA-I014: (output, part 1) Estimated Data Report**

This interface is defined in Part 1 of the Interface Definition and Design.

**7.6 BMRA-I016: (input) Receive Market Index Data Provider Thresholds**

<b>Interface ID:</b> BMRA-I016	<b>Source:</b> BSCCo	<b>Title:</b> Receive Market Index Data Provider Thresholds	<b>ITT reference:</b> P78
<b>Mechanism:</b> Manual	<b>Frequency:</b> Ad-hoc	<b>Volumes:</b> This manual flow is expected to handle a maximum of 6 date ranges to be defined, for each MIDP, for each year. Each date range to have a maximum of 4 different Liquidity Thresholds.	

Interface Requirement:
<p>The BMRA shall receive Market Index Data Provider Liquidity Threshold data from BSCCo. The processing rules for this flow are described in BMRA-F008.</p> <p>The flow shall include:</p> <ul style="list-style-type: none"> <li>Market Index Data Provider Identifier</li> <li><u>MIDP Date Range</u></li> <li>Action Type</li> <li>Effective From Settlement Date</li> <li>Effective To Settlement Date</li> <li><u>MIDP Period Data</u></li> <li>Effective From Settlement Period (1-50)</li> <li>Effective To Settlement Period (1-50)</li> <li>Liquidity Threshold</li> </ul> <p>Action Type describes the type of operation to be performed in relation to the data supplied in the other fields. It can be one of:</p> <ul style="list-style-type: none"> <li>• Insert;</li> <li>• Update;</li> <li>• Delete.</li> </ul>
Physical Interface Details:
Issues:

### 7.7 **BMRA-I017: (output) Report Market Index Data Provider Thresholds**

Interface ID: BMRA-I017	User: BSCCo	Title: Report Market Index Data Provider Thresholds	ITT reference: P78
Mechanism: Manual	Frequency: In response to BMRA-I016, as described in BMRA-F008	Volumes: This manual flow is expected to handle a maximum of 6 date ranges to be defined, for each DP, for each year. Each date range to have a maximum of 4 different Liquidity Thresholds.	
Interface Requirement:			

<p>The BMRA shall report Market Index Data Provider Liquidity Threshold to BSCCo.</p> <p>The flow shall include:</p> <ul style="list-style-type: none"> <li>Market Index Data Provider Identifier <ul style="list-style-type: none"> <li><u>MIDP Date Range</u></li> <li>Effective From Settlement Date</li> <li>Effective To Settlement Date</li> <li><u>MIDP Period Data</u></li> <li>Effective From Settlement Period (1-50)</li> <li>Effective To Settlement Period (1-50)</li> <li>Liquidity Threshold</li> </ul> </li> </ul>
Physical Interface Details:
Issues:

**7.8 CDCA-I018: (output, part 1) MAR Reconciliation Report**

This interface is defined in Part 1 of the Interface Definition and Design.

**7.9 CDCA-I019: (output, part 1) MAR Remedial Action Report**

This interface is defined in Part 1 of the Interface Definition and Design.

**7.10 CDCA-I022: (input) Distribution Line Loss Factors**

The BSC Parties send the Distribution Line Loss Factors to the BSCCo Ltd for validation, then the BSCCo Ltd sends them on to CDCA via this interface:

<b>Interface Id:</b> CDCA-I022	<b>Source:</b> BSCCo Ltd	<b>Title:</b> Distribution Line Loss Factors	<b>ITT reference:</b> CDCA SD 15.1 CDCA BPM 4.5 (?), CP548
<b>Mechanism:</b> Electronic data file transfer	<b>Frequency:</b> Annually	<b>Volumes:</b> 17568000 factors (1000 metering systems * 366 * 48)	
<b>Interface Requirement:</b>			
<p>The CDCA receives Line Loss Factors relating to a Metering System from BSCCo Ltd.</p> <ul style="list-style-type: none"> <li>Metering System Identifier</li> <li>Settlement Date</li> <li>Settlement Period</li> <li>Line loss Factor</li> </ul> <p>Note that each instance of the flow may contain up to 200000 records, and that it is legal for replacement data to be provided where necessary.</p>			
<b>Physical Interface Details:</b>			

**7.11 CDCA-I023: (output) Missing Line Loss Factors**

<b>Interface Id:</b> CDCA-I023	<b>User:</b> BSCCo Ltd	<b>Title:</b> Missing Line Loss Factors	<b>ITT reference:</b> CDCA SD 15.2, CP527
<b>Mechanism:</b> Manual	<b>Frequency:</b> Monthly, covering a period of four months from the run date	<b>Volumes:</b> 17520000 factors (1000 metering systems * 365 * 48)	
<b>Interface Requirement:</b>			
<p>The CDCA shall validate such Line Loss Factors received from the BSCCo Ltd. Any missing or invalid factor values will be reported back to the BSCCo Ltd.</p> <p>Attributes are likely to include:</p> <p>File Reference for Line Loss Factors  Date LLF File Received  File Acceptance Status (all accepted, partially accepted, file rejected)  Date of Acceptance Status  File Rejection Reason (if File Acceptance Status = file rejected)</p> <p>Details of any individual exceptions:  Metering System Identifier (for site specific Line Losses)  Settlement Date  Time Period  Line Loss Factor  Reason for rejection</p>			
<b>Physical Interface Details:</b>			

**7.12 CDCA-I032: (output) Data Collection and Aggregation Performance Report**

<b>Interface Id:</b> CDCA-I032	<b>User:</b> BSCCo Ltd (Customer)	<b>Title:</b> Data Collection and Aggregation Performance Report	<b>ITT reference:</b> CDCA SD 19.6 CP1153
<b>Mechanism:</b> Manual, probably in whole or in part produced using a report-formatting tool.	<b>Frequency:</b> As below	<b>Volumes:</b>	
<b>Interface Requirement:</b>			
<p>CDCA shall provide performance reports on the data collection and data aggregation functions to the BSCCo Ltd.</p> <p>These shall include:</p> <p><i>Monthly, or immediately if service level falls below agreed level for each item:</i></p> <p>Percentage of total number of Outstation Channels interrogated;          Percentage of total number of Outstation Channels successfully read by agreed time [eg 09:00 at Day+1];          Percentage of data needing to be estimated that was created in time for Interim Initial Settlement;          Percentage of data needing to be estimated that was agreed with BSC Party in time for Initial Settlement;          Percentage of raw meter data sent to relevant BSC Party by agreed time [eg 13:00 on Day+1];          Percentage of aggregated meter data which included estimates sent to SAA for Interim Initial Settlement;          Percentage of aggregated meter data which included estimates sent to SAA for Initial Settlement;</p> <p><i>Monthly:</i></p> <p>Percentage of changed metered data reported to SAA in time for next Settlement Run for relevant Settlement Day;          Percentage of occasions where Site appointments were kept on agreed date and time;          Percentage of occasions where help desk queries were registered to agreed timescales;          Percentage of occasions where help desk queries were responded to within agreed timescales according to severity level;          Percentage of occasions where help desk queries were resolved to agreed timescales.</p> <p><i>Quarterly:</i></p> <p>Percentage of responses to MOA for Proving Test requests given by agreed time [eg 5 working days] for remote tests;          Percentage of responses to MOA for Proving Test requests given by agreed time [eg 1 working day] for local tests;          Percentage of suspected metering system faults notified to MOA within agreed time [eg 1 working day];          Percentage of MAR data and reports issued to BSC Party within agreed timescales [eg three, six or twelve months for a given metering system; refer to CDCA-F013 for details];          Percentage of reports issued in complete, accurate and correct format to BSC Parties and SAA over the period;</p> <p><i>Quarterly, or immediately if service level falls below agreed level for each item:</i></p> <p>Percentage of Proving Test results sent to MOA within agreed time [eg 1 working day] of completion;</p> <p><i>By exception and confirmed monthly:</i></p> <p>Percentage of cases where receipt of information from a BSC Party is confirmed back to Party within agreed timescales [eg 15 minutes for data received electronically];          Percentage of cases where information received from CRA or a BSC Party is processed within agreed timescales;</p>			
<b>Physical Interface Details:</b>			

**7.13 CDCA-I047: (output, part 1) Correspondence Receipt Acknowledgement**

This interface is defined in Part 1 of the Interface Definition and Design

**7.14 CDCA-I061 (input) Receive System Parameters**

Requirement ID: CDAA-I061	Status: Mandatory	Title: System Parameters	ITT reference: CP751
Interface Requirement:			
<p>The CDCA Service shall receive the following system parameters from the BSCCo Ltd via a manual interface, expected to be either a fax or telephone call:</p> <p>Primary/Secondary Time-Shift Factor</p>			
Physical Interface Details:			
<p>The BSCCo Ltd system parameter values shall continue to apply to all settlement periods, until a change to a parameter is made.</p>			
Issues:			

**7.15 CDCA-I062: (input) Receive Sample Settlement Periods<sup>5</sup>**

<b>Interface Id:</b> CDCA-I062	<b>Source:</b> BSCCo Ltd	<b>Title:</b> Receive Sample Settlement Periods	<b>ITT reference:</b> P82
<b>Mechanism:</b> Manual	<b>Frequency:</b> Annually	<b>Volumes:</b> 600 periods	
<b>Interface Requirement:</b>			
<p>CDCA shall receive the specification of all Load Periods and Sample Settlement Periods for the latest Reference Year from BSCCo Ltd, via a manual interface.</p> <p>CDCA shall receive the data for the latest Reference Year, no later than 5 October in the current BSC Year.</p> <p>The following information shall be included in the interface:</p> <p>Reference Year              Load Period Name              Settlement Date              Sample Settlement Period              Total Number of Sample Settlement Periods in Load Period              Total Number of Settlement Periods in Load Period</p>			
<b>Physical Interface Details:</b>			

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<sup>5</sup> This functionality was added for the Introduction of Zonal Transmission Losses on an Average Basis (P82), but will not be used.

A physical structure is defined for this manual interface because it will be processed automatically.

7.16 **CDCA-I064: (output) MOA Proving Tests Report**

<b>Interface Id:</b> CDCA-I064	<b>User:</b> BSCCo Ltd	<b>Title:</b> MOA Proving Tests Report	<b>ITT reference:</b> P99
<b>Mechanism:</b> Manual	<b>Frequency:</b> Monthly	<b>Volumes:</b> Low	
<b>Interface Requirement:</b>			
<p>CDCA shall report the following information to the BSCCo, after the end of every month:</p> <p><u>Participant Header</u>                  Market Sector                  Market Participant Role Code                  Meter Operator Agent Id                  Period End Date                  Periodicity</p> <p><u>CVA MOA Serial 1 Data</u>                  GSP Group ID                  Number of MSIDs for which Proving Test outstanding                  Average number of business days for which Proving Test is outstanding after scheduled date of Proving Test, at time of report                  Count of faults outstanding after scheduled date of Proving Test</p> <p>The report shall be produced in POOL file format, and sent to the BSCCo (as an email attachment) no later than 7 Business Days after the end of the month to which the data pertains.</p>			
<b>Physical Interface Details:</b>			
<p>The filename shall be CDCA133&lt;last digit of the year number&gt;.&lt;MON&gt;, where &lt;MON&gt; is the reporting month (e.g. JAN, FEB, etc.).</p> <p>See the physical flow for details, in the BSCCo Ltd tab of the IDD Part 2 spreadsheet.</p> <p>ZHD Header information:</p>			
File Type	='P0133001'		
From Role Code	='Z'		
From Participant Id	='CDCA'		
To Role Code	='Z'		
To Participant Id	='POOL'		
Creation Time	date and time (local) of file generation YYYYMMDDHHMISS		



7.17 **CDCA-I065: (output) MOA Fault Resolution Report**

<b>Interface Id:</b> CDCA-I065	<b>User:</b> BSCCo Ltd	<b>Title:</b> MOA Fault Resolution Report	<b>ITT reference:</b> P99
<b>Mechanism:</b> Manual	<b>Frequency:</b> Monthly	<b>Volumes:</b> Low	
<b>Interface Requirement:</b>			
<p>CDCA shall report the following information to BSCCo Ltd, after the end of every month:</p> <p><u>Participant Header</u>                  Market Sector                  Market Participant Role Code                  Meter Operator Agent Id                  Period End Date                  Periodicity</p> <p><u>CVA MOA Serial 2 Data</u>                  GSP Group ID                  Number of MSIDs with fault                  Count of faults identified                  Average number of business days faults outstanding                  Average number of business days taken to resolve fault</p> <p>The report shall be produced in POOL file format, and sent to BSCCo Ltd (as an email attachment) no later than 7 Business Days after the end of the month to which the data pertains.</p>			
<b>Physical Interface Details:</b>			
<p>The filename shall be CDCA134&lt;last digit of the year number&gt;.&lt;MON&gt;, where &lt;MON&gt; is the reporting month (e.g. JAN, FEB, etc.).</p> <p>See the physical flow for details, in the BSCCo Ltd tab of the IDD Part 2 spreadsheet.</p> <p>ZHD Header information:</p>			
File Type	='P0134001'		
From Role Code	='Z'		
From Participant Id	='CDCA'		
To Role Code	='Z'		
To Participant Id	='POOL'		
Creation Time	date and time (local) of file generation YYYYMMDDHHMISS		

7.18 **CRA-I001: (input & output, part 1) BSC Party Registration Data**

This interface is defined in Part 1 of the Interface Definition and Design.

7.19 **CRA-I003: (input, part 1) BSC Party Agent Registration Data**

This interface is defined in Part 1 of the Interface Definition and Design.

7.20 **CRA-I004: (input, common) BSC Service Agent Details**

This interface is defined in Section 4.

**7.21 CRA-I011: (input) CALF**

Interface ID: CRA-I011	Source: BSCCo Ltd	Title: CALF	ITT reference: CRA SD 5.0, CRA BPM 3.5, CRA 4.5, ERM, RETA SCH 4,B, 2.4.2, CR 12, CP756
Mechanism: Manual, by email, letter or fax	Frequency: As necessary	Volumes: approximately 4 times per year	
<p>The CRA shall receive, from time to time the Credit assessment Load factor from the BSCCo Ltd. The information shall contain:</p> <p>Action Description</p> <p><u>Authentication Details</u> Name Password</p> <p><u>BM Unit Credit Assessment Load Factor Details</u> BM Unit Id Credit Assessment Load Factor (CALF) Effective From Date</p>			
<b>Physical Interface Details:</b>			

**7.22 CRA-I020: (output, common) Operations Registration Report**

This interface is defined in Section 4.

**7.23 CRA-I028: (output) NGC Standing Data Report**

This interface is defined in Section 4.

**7.24 CRA-I029: (input) Transmission Loss Factors**

Interface ID: CRA-I029	Source: BSCCo Ltd	Title: Transmission Loss Factors	ITT reference: SAA SD: 2.6, A1 SAA BPM: 3.6, CP756
Mechanism: Manual, by email, letter or fax	Frequency: As required	Volumes: Very low volume	
<b>Interface Requirement:</b>			
<p>The CRA Service shall receive Transmission Loss data from BSCCo Ltd from time to time. The Transmission Loss data shall contain the following details:</p> <p><u>Authentication Details</u> Name Password</p>			

<u>Transmission Loss Details</u> Proportion of Losses (alpha) Effective From Date  <u>BM Unit Transmission Loss Details</u> BM Unit ID Transmission Loss Factor Effective from Date Effective to Date
---

**7.25 CRA-I032: (output) CRA Performance Reports**

This interface is defined in the CRA URS as a functional requirement rather than an interface requirement. The reference in the CRA URS is CRA-F027.


**7.26 CRA-I034: (input) Flexible Reporting Request**

Interface ID: CRA-I034	Source: BSCCo Ltd	Title: Flexible Reporting Request	ITT reference: CR 53, CP756
Mechanism: Manual, by email, letter or fax	Frequency:	Volumes:	
<b>Interface Requirement:</b>			
The CRA shall receive authorisations from BSCCo Ltd. to start or stop sending copies of a BSC Party report to another BSC Party.			
<u>Requesting BSC Party Details</u>			
BSC Party Id BSC Party type			
<u>Report Details</u>			
Report Type BSC Party Id BSC Party type Start/Stop Flag			
<b>Physical Interface Details:</b>			
The flow may contain requests from one or more BSC Parties, and each request may cover a			

number of report types/BSC Parties.
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**7.27 CRA-I035: (output) CRA BSC Section D Charging Data**

<b>Interface ID:</b> CRA-I035	<b>User:</b> BSCCo Ltd	<b>Title:</b> CRA BSC Section D Charging Data	<b>ITT reference:</b> CR 65, CN160, P100
<b>Mechanism:</b> Electronic data file transfer	<b>Frequency:</b> Monthly	<b>Volumes:</b>	
<b>Interface Requirement:</b>			
<p>The system shall, on the 15<sup>th</sup> working day of each month, collect information required for charging BSC parties under Section D of the Code and send this to BSCCo Ltd.</p> <p>The information included shall be:</p> <p>Month</p> <ul style="list-style-type: none"> <li>Participant Id</li> <li>Participant Name</li> <li>Count of CVA Metering Systems</li> <li>Count of CVA BM Units</li> <li>Count of CVA Exempt Export BM Units</li> <li>Count of SVA Base BM Units</li> <li>Count of SVA additional BM Units</li> <li>Count of SVA Replacement Base BM Units</li> <li>Count of SVA Replacement additional BM Units</li> <li>Count of SVA Exempt Export BM Units</li> </ul> <p>Each month the information will be produced for both the previous calendar month and the month before that. Data used shall be the latest available data from Interim Run and Initial Run only.</p>			
<b>Physical Interface Details:</b>			

**7.28 CRA-I042: (input) Receive Market Index Data Provider Registration Data**

<b>Interface ID:</b> CRA-I042	<b>Source:</b> MIDP	<b>Title:</b> Receive Market Index Data Provider Registration Data	<b>ITT reference:</b> P78
<b>Mechanism:</b> Manual	<b>Frequency:</b> As Necessary	<b>Volumes:</b> Low	
<b>Interface Requirement:</b>			

<b>Interface ID:</b> CRA-I042	<b>Source:</b> MIDP	<b>Title:</b> Receive Market Index Data Provider Registration Data	<b>ITT reference:</b> P78
<b>Mechanism:</b> Manual	<b>Frequency:</b> As Necessary	<b>Volumes:</b> Low	
<p>Both initial registration, and updates to details, of a Market Index Data Provider, will be done by BSCCo Ltd.</p> <p>The CRA shall receive Market Index Data Provider Details including the following:</p> <p>Action Description</p> <p><u>Market Index Data Provider Details</u>                  Market Index Data Provider Name                  Market Index Data Provider Identifier                  Provider Effective From Settlement Date                  Provider Effective To Settlement Date</p> <p><u>Contact Details</u>                  Name                  Address                  Telephone No                  Fax No                  e-mail Address</p>			
<b>Physical Interface Details:</b>			

7.29 **CRA-I043: (input) Receive Exempt Export Registration Data**

<b>Interface ID:</b> CRA-I043	<b>Source:</b> BSCCo Ltd	<b>Title:</b> Receive Exempt Export Registration Data	<b>ITT reference:</b> P100
<b>Mechanism:</b> Manual, by email, letter or fax	<b>Frequency:</b> As necessary	<b>Volumes:</b> Low	
<p>CRA shall receive the Exempt Export registration details for a BM Unit from BSCCo Ltd via a manual interface.</p> <p>The flow shall include the following:</p> <p><u>BM Unit Details</u>                  BSC Party Id                  BM Unit Id</p> <p><u>Exempt Export Registration</u>                  Effective From Settlement Date</p> <p>Or,  <u>Exempt Export De-Registration</u>                  Effective To Settlement Date</p>			
<b>Physical Interface Details:</b>			

**7.30 CRA-I044: (input) Withdrawals Checklist Request**

<b>Interface ID:</b> CRA-I044	<b>Source:</b> BSCCo Ltd	<b>Title:</b> Withdrawals Checklist Request	<b>ITT reference:</b> CP974
<b>Mechanism:</b> Manual, by email or fax	<b>Frequency:</b> Ad hoc	<b>Volumes:</b> Low	
<p>The CRA shall receive a request for the Withdrawals Checklist from BSCCo Ltd on an ad-hoc basis. The request shall contain the following information:</p> <p style="padding-left: 40px;">BSC Party / BSC Party Agent Name, and / or BSC Party / BSC Party Agent Id Reason for request Withdrawal Date (optional)</p> <p>Notes:</p> <ol style="list-style-type: none"> <li>1. Valid reasons for requesting the Withdrawals Checklist shall be defined as (not exclusively): <ul style="list-style-type: none"> <li>• Information</li> <li>• Final Compliance</li> </ul> </li> <li>2. The Withdrawal Date shall optionally be included in a request, as an indication of when the 'Final Compliance' report should be run. If included, the CRA shall run the 'Final Compliance' report at 5pm, two Working Days prior to the Withdrawal Date. In this case, there is no need for the BSCCo to submit a specific request for the 'Final Compliance' report, but on the morning of the day that the report is due, the BSCCo shall confirm that the report is required.</li> </ol>			
<b>Physical Interface Details:</b>			

**7.31 CRA-I047: (output) Withdrawals Checklist**

<b>Interface ID:</b> CRA-I047	<b>User:</b> BSCCo Ltd	<b>Title:</b> Withdrawals Checklist	<b>ITT reference:</b> CP974
<b>Mechanism:</b> Manual, by email or fax	<b>Frequency:</b> On request	<b>Volumes:</b> Low	
<p>The CRA shall issue a Withdrawals Checklist on receipt of a request from BSCCo Ltd (via Interface Requirement CRA-I044). The report shall contain the following data:</p> <p>Report Date Reason for Request</p> <p><u>Registration Details</u></p> <p style="padding-left: 40px;"><u>Participation capacities registered</u> BSC Party / BSC Party Agent Name BSC Party / BSC Party Agent Id Market Role Code(s) Effective From Date Effective To Date</p> <p style="padding-left: 40px;"><u>BM Units registered</u> BM Unit ID</p>			

<p>Effective From Date Final Effective To Date</p> <p><u>Metering Systems registered</u> MSID Effective From Date Final Effective To Date</p> <p><u>Communication Lines</u> High-grade or low-grade line Own or shared line</p> <p><u>FTP accounts/ Encryption keys to be terminated.</u> Access to NETA Central Systems terminated effective from</p> <p><u>Report non deliveries set up for BSC Party/ BSC Party Agent</u> Flow Type Effective From Date Effective To Date</p> <p><u>Trading Details</u> Last Day of Trading Payment date of the RF run for the Last Day of Trading (if known)</p> <p><u>Settlement Details</u> As received via Interface Requirement CRA-I046</p> <p><u>Authorisation and Notification Details</u> As received via Interface Requirement CRA-I045</p>
<b>Physical Interface Details:</b>

**7.32 ECVAA-I017: (output) ECVAA Performance Report**

Interface ID: ECVAA-I017	User: BSCCo Ltd	Title: ECVAA Performance Report	ITT reference: ECVAA SD: B ECVAA IRR: E6 CR 12, CP519
Mechanism: Manual, probably in whole or in part produced using a report-formatting tool.	Frequency: Monthly	Volumes:	

<p><b>Interface Requirement:</b></p> <p>The ECVAA Service shall issue ECVAA Performance Reports once a month to BSCCo Ltd.</p> <ul style="list-style-type: none"> <li>• Percentage of valid new or updated registration data incorporated in ECVAA systems within 1 day of receipt</li> <li>• Percentage of valid new or updated credit limit data incorporated in ECVAA systems within 1 day of receipt</li> <li>• Percentage of Energy Contract Volume Authorisation requests processed within 1 day of receipt</li> <li>• Percentage of Energy Contract Volume Authorisation termination requests processed within 1 day of receipt</li> <li>• Percentage of Metered Volume Reallocation Authorisation requests processed within 1 day of receipt</li> <li>• Percentage of requests to add additional BM Unit Subsidiaries to an existing Metered Volume Reallocation Authorisation processed within 1 day of receipt</li> <li>• Percentage of Metered Volume Reallocation Authorisation termination requests processed within 1 day of receipt</li> <li>• Percentage of Energy Contract Volume Notifications processed within 15 minutes of receipt</li> <li>• Percentage of valid Energy Contract Volume Notifications aggregated for Settlement Day (SD)</li> </ul>
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- and Total Energy Contract Volumes calculated and transmitted to SAA by 12:00 on SD + 2
- Percentage of Metered Volume Reallocation Notifications processed within 15 minutes of receipt
- Percentage of Metered Volume Reallocation Notifications for SD transmitted to SAA by 12:00 on SD + 2.
- Percentage of Half Hourly Credit Check Processes completed within 15 minutes of gate closure.
- Percentage of Credit Cover Minimum Eligible Amount Requests processed by the first Working Day after the expiry of the Waiting Period or the date of receipt of the Minimum Eligible Amount Rule Confirmation from BSCCo Ltd, whichever is the later (see ECVAA-F011: Process Credit Cover Minimum Eligible Amount Request).

**7.33 ECVAA-I021: (output) Credit Limit Warning**

This interface is defined in Part 1 of the Interface Definition and Design.

**7.34 ECVAA-I023: (output) ECVAA BSC Section D Charging Data**

<b>Interface ID:</b> ECVAA-I023	<b>User:</b> BSCCo Ltd	<b>Title:</b> ECVAA BSC Section D Charging Data	<b>ITT reference:</b> CR 65, CN160
<b>Mechanism:</b> Electronic data file transfer	<b>Frequency:</b> Monthly	<b>Volumes:</b>	
<p><b>Interface Requirement:</b></p> <p>The system shall, on the 21<sup>st</sup> calendar day of each month, collect information required for charging BSC parties under Section D of the Code and send this to BSCCo Ltd.</p> <p>The information included shall be:</p> <p>Month              Participant Id              Participant Name              Gross Contract Volume</p> <p>where Gross Contract Volume is</p> $\sum_{zabj}   ECQ_{zabj}   + \sum_{zabj}   ECQ_{zbaj}   + \sum_{zaij}   QMFR_{zaij}   + \sum_{zbij}   QMFR_{zbij}  $ <p>Each month the information will be produced for both the previous calendar month and the month before that. Data used shall be the latest available data from Interim Run and Initial Run only.</p>			
<p><b>Physical Interface Details:</b></p>			



**7.35 ECVAA-I026: (output) Minimum Eligible Amount Rule Request**

<b>Requirement ID:</b> ECVAA-I026	<b>User:</b> BSCCo Ltd	<b>Title:</b> Minimum Eligible Amount Rule Request	<b>ITT reference:</b> CP519
<b>Mechanism:</b> Manual	<b>Frequency:</b> Ad hoc, as a result of receipt of Credit Cover Minimum Eligible Amount Requests	<b>Volumes:</b> Low	
<b>Interface Requirement:</b>			
<p>The ECVAA shall issue Minimum Eligible Amount Rule Requests to BSCCo Ltd as a result of the receipt of Credit Cover Minimum Eligible Amount Requests from a BSC Party.</p> <p>The Minimum Eligible Amount Rule Request data shall comprise:</p> <p style="padding-left: 40px;">BSC Party ID Minimum Eligible Amount Request Date</p> <p>Note: the Minimum Eligible Amount Request Date is the date of receipt of the Credit Cover Minimum Eligible Amount Request by the ECVAA.</p>			

**7.36 ECVAA-I027: (input) Minimum Eligible Amount Rule Confirmation**

<b>Requirement ID:</b> ECVAA-I027	<b>Source:</b> BSCCo Ltd	<b>Title:</b> Minimum Eligible Amount Rule Confirmation	<b>ITT reference:</b> CP519
<b>Mechanism:</b> Manual	<b>Frequency:</b> Ad hoc, in response to Minimum Eligible Amount Rule Requests	<b>Volumes:</b> Low	
<b>Interface Requirement:</b>			

The ECVAAs shall receive Minimum Eligible Amount Requests from BSCCo Ltd in response to Minimum Eligible Amount Rule Requests.

The Minimum Eligible Amount Rule Confirmation data shall comprise:

- BSC Party ID
- Minimum Eligible Amount Request Date
- Minimum Eligible Amount Rule (75% or 80%)

**7.37 ECVAAs-I032: (input) Credit Assessment Price**

Requirement ID: ECVAAs-I032	Source: BSCCo Ltd	Title: Credit Assessment Price	ITT reference: P2
Mechanism: Manual	Frequency: As required	Volumes: Low	
<b>Interface Requirement:</b>			
<p>The ECVAAs Service shall receive the Credit Assessment Price from BSCCo from time to time.</p> <p>The Credit Assessment Price shall comprise:</p> <p><u>Credit Assessment Price:</u></p> <ul style="list-style-type: none"> <li>Credit Assessment Price (£/MWh)</li> <li>Effective from date</li> </ul> <p>Notes:</p> <p>The effective from date shall be the settlement date upon which the price is to take effect, and shall be no earlier than the day after the price is received by ECVAAs.</p> <p>The Credit Assessment Price shall be in the range 0.00 to 999.99, and shall be held to two decimal places.</p>			
<b>Physical Interface Details:</b>			

**7.38 ECVAAs-I040: (output) Issue Notification System Status Report**

Requirement ID: ECVAAs-I040	Source: BSCCo Ltd	Title: Issue Notification System Status Report	ITT reference: CP739
Mechanism: Manual, by email, fax or telephone call.	Frequency: As required	Volumes: Low	
<b>Interface Requirement:</b>			
<p>The ECVAAs Service shall issue a status report to BSCCo Ltd. as soon as possible after:</p> <ul style="list-style-type: none"> <li>▪ The start of an ECVAAs System Failure or ECVAAs System Withdrawal;</li> <li>▪ A change in the Notification Agents affected by an existing ECVAAs System Failure or ECVAAs System Withdrawal; or</li> <li>▪ The end of an ECVAAs System Failure or ECVAAs System Withdrawal.</li> </ul> <p>The notification shall contain</p> <ul style="list-style-type: none"> <li>Incident Type (ECVAAs System Failure or ECVAAs System Withdrawal).</li> </ul>			

Incident Status (Start, End or Change) Date and Time (GMT) of Incident Status Affected Agents (list of affected Notification Agents or ALL).
<b>Physical Interface Details:</b>

**7.39 ECVAA-I041: Receive Party Credit Default Authorisation Details**

Interface ID: ECVAA-I041	Source: BSCCo Ltd	Title: Receive Party Credit Default Authorisation Details	ITT reference: CP975
Mechanism: Manual, by email, letter or fax	Frequency: As necessary	Volumes: approximately 10 times per year	
The ECVAA shall receive, from time to time the BSC Party Credit Default Authorisation Flag from the BSCCo Ltd. The information shall contain:  <u>Authentication Details</u> Name Password  <u>BSC Party Credit Default Authorisation Details</u> BSC Party Id Credit Default Authorisation Flag Effective From Date			
<b>Physical Interface Details:</b>			

**7.40 SAA-I010: (input) BSCCo Ltd Cost Data (Redundant)**

Interface ID: SAA-I010	Source: BSCCo Ltd	Title: BSCCo Ltd Cost Data	ITT reference: SAA SD: 2.6 SAA BPM: 3.16, 4.12, CP527, CP1223
Mechanism: Electronic data file transfer	Frequency: Monthly/ Annual	Volumes:	
<b>Interface Requirement:</b>			
The SAA Service shall receive forecast BSCCo Ltd Costs monthly and actual BSCCo Ltd Costs annually from BSCCo Ltd.  The BSCCo Ltd Cost data shall include:  <u>Forecast Costs:</u> Settlement Date BSCCo Ltd Forecast Cost (£)  <u>Total Actual Costs:</u> Year BSCCo Ltd Actual Cost (£)			

This interface is not in use.

**7.41 SAA-I012: (input, part 1) Dispute Notification**

This interface is defined in Part 1 of the Interface Definition and Design.

**7.42 SAA-I014 (output) Settlement Reports**

There are three variants of the Settlement Report. The first variant is sent to BSC Parties and is defined in Part 1 of the IDD. The second variant is sent to the System Operator and is defined in section 5 of this document. The third variant is sent to BSCCo Ltd and is defined here:

Interface ID: SAA-I014	User: BSCCo Ltd	Title: Settlement Report	ITT reference: CR_991027_06a, CP527, P8, P18A, CP597, CP610, P71, P78, P194
Mechanism: Electronic data file transfer	Frequency: Daily per settlement run	Volumes:	
<p>The following information is provided:</p> <p><u>Settlement Day Information</u>                  Settlement Date                  Settlement Run Type                  SAA Run Number                  SAA CDCA Settlement Run Number                  SVAA CDCA Settlement Date                  SVAA CDCA Settlement Run Number                  SVAA SSR Run Number                  BSC Party Id</p> <p>For each BSC Party:</p> <p><u>BSC Party Information</u>                  BSC Party Id                  Aggregate Party Day Charges (defined in IDD Part 1 section 8.4.1)</p> <p>For each Settlement Period:</p> <p><u>Settlement Period Information</u>                  Settlement Period (1-50) (j)                  Total Demand (sum of all negative <math>QM_{ij}</math>)                  Notional Reserve Limit (MW) (only for Settlement Dates prior to the P78 effective date)                  Arbitrage Flag  <math>CADL_d</math> Continuous Acceptance Duration Limit  <math>DMAT_d</math> De Minimis Acceptance Threshold                  System Period Data (defined in IDD Part 1 section 8.4.3)</p> <p><u>Trading Unit Period Information:</u>                  Trading Unit Name                  Total Trading Unit Metered Volume (MWh)</p> <p><u>BM Unit Period Information:</u></p>			

BM Unit ID (i)  
Trading Unit Name  
Period FPN (FPN<sub>ij</sub>) (MWh)  
BM Unit Metered Volume (QM<sub>ij</sub>) (MWh)  
Transmission Loss Multiplier (TLM<sub>ij</sub>)  
BM Unit Applicable Balancing Services Volume (QAS<sub>i</sub>) (MWh)

BM Unit Period Bid-Offer Information:

Bid-Offer Pair Number (n)  
Bid Price (PB<sup>n</sup><sub>ij</sub>) (£)  
Offer Price (Po<sup>n</sup><sub>ij</sub>) (£)

BM Unit Period Bid-Offer Spot Points (QBO<sup>n</sup><sub>ij</sub>):

Time from  
Bid-Offer Value from  
Time to  
Bid-Offer Value to

Maximum Export Limit Information:

Time From  
Level From (MW)  
Time to  
Level To (MW)

Maximum Import Limit Information:

Time From  
Level From (MW)  
Time to  
Level To (MW)

**Physical Interface Details:**

This is sub-flow 3 of the Settlement Report, file id S0143.

For the Interim Initial Settlement Run, the full set of data is included in the file.

For subsequent Settlement Runs, certain information is only included if it has been changed: this applies to the Maximum Export Limit Information, (MEL), Minimum Export Limit Information (MIL), and BM Unit Period Bid-Offer Spot Points (BO2). BM Unit Period Bid-Offer Information (BBO) is only included where there are changes (to prices or to underlying BM Unit Period Bid-Offer Spot Points (BO2)).

For BO2 it is possible that the change being reported is that the record has been deleted; this is indicated by reporting nulls, e.g.

where there had been a record

BO2|10|123456.789|20|123456.789|

deletion of this record would be shown by

BO2|10||20||

Note:

SAA CDCA Settlement Run Number

Identifies the CDCA run which generated volumes used directly by SAA in the settlement calculations

*For runs other than Interim Initial:*

SVAA CDCA Settlement Date

**SVAA CDCA Settlement Run Number**

Identify the CDCA run for Settlement Date which generated the GSP Group Take volumes which were allocated by the SVAA

**SVAA SSR Run Number**

Identifies the SVAA Run for Settlement Date which generated the SVA BM Unit volumes

*For Interim Initial Settlement Run:*

**SVAA CDCA Settlement Date**

**SVAA SSR Run Number**

Identify the Settlement Date and Initial Settlement (SF) SVAA Run from which SVA volumes are derived

**SVAA CDCA Run Number**

Will be zero

**7.43 SAA-I016: (output, part 1) Settlement Calendar**

This interface is defined in Part 1 of the Interface Definition and Design.

**7.44 SAA-I018: (output, part 1) Dispute Report**

This interface is defined in Part 1 of the Interface Definition and Design.

**7.45 SAA-I019: (output) BSC Party Performance Reports (Redundant)**

Interface ID: SAA-I019	User: BSCCo Ltd	Title: BSC Party Performance Reports	ITT reference: SAA IRR: SAA6, CP1222
Mechanism: Electronic data file transfer	Frequency: Monthly	Volumes:	
<b>Interface Requirement:</b>			
The SAA Service shall issue BSC Party Performance Reports once a month to BSCCo Ltd.			
The BSC Party Performance Reports shall include:			
<ul style="list-style-type: none"> <li>BSC Party rankings by number/volume of trades</li> <li>BSC Party rankings by imbalance volumes</li> </ul>			
Ranking will be as follows:			
<ul style="list-style-type: none"> <li>Ranking by Number of Trades, then by Volume (ie if two parties have the same number of trades, then their relative ranking will be established using volume of trades).</li> <li>Ranking by Energy Imbalance, then by Information Imbalance (ie if two parties have the same energy imbalance, then their relative ranking will be established using information imbalance). Note that the Imbalance Volumes flow for this report contains only a single value for imbalance volume.</li> </ul>			

This interface is not in use.

**7.46 SAA-I020: (output) SAA Performance Reports**

Interface ID: SAA-I020	User: BSCCo Ltd	Title: SAA Performance Reports	ITT reference: SAA SD: B, CP527, P78
Mechanism: Manual, probably in whole or in part produced using a report-formatting tool.	Frequency: Monthly	Volumes:	
<b>Interface Requirement:</b>			
The SAA Service shall issue SAA Performance Reports once a month to BSCCo Ltd.			
The SAA Performance Reports shall include:			
<u>Settlement Run Reporting:</u>			
Month Ending Date			
Settlement Date			
Report Run Type			
Report Recipient			
Expected Settlement Report Date			
Settlement Run Date/Time			
Actual Settlement Report Date/Time			
<u>Settlement Calendar Publishing:</u>			
Settlement Calendar Year			
Expected Publish Date			
Actual Publish Date			
<u>BM Unit Credit Assessment Import Capability Reporting:</u>			
Month Ending Date			
Reason (Month End/CALF Change)			
Report Recipient			
Expected Report Date			
Actual Report Date			
<u>Help Desk Reporting :</u>			
Call Severity Level			
Response Time			
Market Index Data Provider Performance:			
Month Ending Date			
Market Index Data Provider Identifier			
Number of Settlement Days for which Market Index Data was not provided in time for the Initial Interim Settlement Run			
Number of Settlement Periods where individual Liquidity Threshold required default by SAA			
Number of Settlement Periods where zeroes were used in the Initial Interim Settlement Calculation			

**7.47 SAA-I023: (input) System Parameters**

<b>Requirement ID:</b> SAA-I023	<b>Status:</b> Mandatory	<b>Title:</b> System Parameters	<b>ITT reference:</b> CR 003, P10, P18A, CP632, P194
<b>Mechanism:</b> Manual	<b>Frequency:</b> Ad-hoc	<b>Volumes:</b> Low – typically one or two per month	
<p>Interface Requirement:</p> <p>The SAA Service shall receive the following system parameters from the BSCCo Ltd via a manual interface, expected to be either a fax or telephone call:</p> <ul style="list-style-type: none"> <li>Effective from Settlement Date</li> <li>Effective from Settlement Period (1-50)</li> <li>Effective to Settlement Date</li> <li>Effective to Settlement Period (1-50)</li> <li>Information Imbalance Price 1</li> <li>Information Imbalance Price 2</li> <li>Arbitrage Flag</li> <li>NRL<sub>j</sub> (Notional Reserve Limit) (MW)</li> <li>DMAT<sub>d</sub> (De Minimis Acceptance Threshold) (MWh)</li> <li>CADL<sub>d</sub> (Continuous Acceptance Duration Limit (minutes)</li> <li>PAR<sub>d</sub> (Price Averaging Reference Volume) (MWh) (0-9,999,999,999)</li> </ul>			
<b>Physical Interface Details:</b>			
<p>The BSCCo Ltd system parameter values shall continue to apply to all settlement periods, until a change to a parameter is made.</p>			
<b>Issues:</b>			



**7.48 SAA-I025: (output) SAA BSC Section D Charging Data**

<b>Interface ID:</b> SAA-I025	<b>User:</b> BSCCo Ltd	<b>Title:</b> SAA BSC Section D Charging Data	<b>ITT reference:</b> CR 65, CN160
<b>Mechanism:</b> Electronic data file transfer	<b>Frequency:</b> Monthly	<b>Volumes:</b>	
<b>Interface Requirement:</b>			
<p>The system shall, on the 15<sup>th</sup> working day of each month, collect information required for charging BSC parties under Section D of the Code and send this to BSCCo Ltd.</p> <p>The information included shall be:</p> <p>Month              Participant Id              Participant Name                  Production/Consumption Flag                  Volume</p> <p>where Volume is Credited Energy Volume for the Production/Consumption Energy Account belonging to the BSC Party.</p> <p>Each month the information will be produced for both the previous calendar month and the month before that. Data used shall be the latest available data from Interim Run and Initial Run only.</p>			
<b>Physical Interface Details:</b>			

**7.49 SAA-I027: (output) Report pre-settlement run validation failure**

<b>Interface ID:</b> SAA-I027	<b>Source:</b> SAA	<b>Title:</b> Report pre-settlement run validation failure	<b>ITT reference:</b> CP639, CP1222
<b>Mechanism:</b> Manual	<b>Frequency:</b> Ad-hoc	<b>Volumes:</b> As required.	
<p><b>Interface Requirement:</b> The SAA shall send to BSCCo details of pre-settlement run validation failures. The content of the report shall include</p> <p style="padding-left: 40px;">Settlement Date Settlement Run Type Failure Reasons</p>			
<b>Physical Interface Details:</b>			
<p>This interface is likely to take the form of a fax or an e-mail or a telephone call. Failure Reasons will be various.</p>			
<b>Issues:</b>			

**7.50 SAA-I028: (input) Receive settlement run decision**

<b>Interface ID:</b> SAA-I028	<b>Source:</b> BSCCo	<b>Title:</b> Receive settlement run decision	<b>ITT reference:</b> CP639
<b>Mechanism:</b> Manual	<b>Frequency:</b> In response to SAA-I027	<b>Volumes:</b> Low – typically one or two per month	
<p><b>Interface Requirement:</b>                  BSCCo shall send to the SAA a decision on whether a settlement run should continue if the SAA has reported pre-settlement run validation run failures (SAA-I027) for this run.</p> <p style="padding-left: 40px;">Settlement Date                  Settlement Run Type                  Decision</p>			
<b>Physical Interface Details:</b>			
<p>This interface is likely to take the form of a fax or an e-mail or a telephone call. Failure Reasons will be various.</p>			
<b>Issues:</b>			

**7.51 SAA-I029: (input) Receive settlement run instructions**

<b>Interface ID:</b> SAA-I029	<b>Source:</b> BSCCo	<b>Title:</b> Receive settlement run instructions	<b>ITT reference:</b> CP639
<b>Mechanism:</b> Manual	<b>Frequency:</b> In response to SAA-I027	<b>Volumes:</b> Low – typically one or two per month	
<b>Interface Requirement:</b> BSCCo shall send to the SAA instructions on how to progress a settlement run that the SAA has reported pre-settlement run validation run failures (SAA-I027) for.  Settlement Date Settlement Run Type Instructions			
<b>Physical Interface Details:</b>			
This interface is likely to take the form of a fax or an e-mail or a telephone call. Failure Reasons will be various.			
<b>Issues:</b>			

**7.52 SAA-I031: (input) Receive Market Index Data Provider Thresholds**

<b>Interface ID:</b> SAA-I031	<b>Source:</b> BSCCo	<b>Title:</b> Receive Market Index Data Provider Thresholds	<b>ITT reference:</b> P78
<b>Mechanism:</b> Manual	<b>Frequency:</b> Ad-hoc	<b>Volumes:</b> This manual flow is expected to handle a maximum of 6 date ranges to be defined, for each DP, for each year. Each date range to have a maximum of 4 different Liquidity Thresholds.	
<b>Interface Requirement:</b>  The SAA shall receive Market Index Data Provider Liquidity Threshold data from BSCCo. The processing rules for this flow are described in SAA-F023.  The flow shall include:  Market Index Data Provider Identifier MIDP Date Range Action Type Effective From Settlement Date Effective To Settlement Date MIDP Period Data Effective From Settlement Period (1-50)			

Effective To Settlement Period (1-50) Liquidity Threshold
Action Type describes the type of operation to be performed in relation to the data supplied in the other fields. It can be one of: <ul style="list-style-type: none"> <li>• Insert;</li> <li>• Update;</li> <li>• Delete.</li> </ul>
Physical Interface Details:
Issues:

**7.53 SAA-I032: (output) Report Market Index Data Provider Thresholds**

Interface ID: SAA-I032	User: BSCCo	Title: Report Market Index Data Provider Thresholds	ITT reference: P78
Mechanism: Manual	Frequency: In response to SAA-I031, as described in SAA-F023	Volumes: This manual flow is expected to handle a maximum of 6 date ranges to be defined, for each DP, for each year. Each date range to have a maximum of 4 different Liquidity Thresholds.	
Interface Requirement:			
The SAA shall report Market Index Data Provider Liquidity Threshold to BSCCo.  The flow shall include: <ul style="list-style-type: none"> <li>Market Index Data Provider Identifier</li> <li><u>MIDP Date Range</u></li> <li>Effective From Settlement Date</li> <li>Effective To Settlement Date</li> <li><u>MIDP Period Data</u></li> <li>Effective From Settlement Period (1-50)</li> <li>Effective To Settlement Period (1-50)</li> <li>Liquidity Threshold</li> </ul>			
Physical Interface Details:			
Issues:			

**7.54** ~~TAA-I001: (input) Annual number of site visits~~

<b>Requirement ID:</b> TAA-I001	<b>Source:</b> BSCCo Ltd	<b>Title:</b> Annual number of site visits	<b>ITT reference:</b> 3.1.5
<b>Mechanism:</b> Manual	<b>Frequency:</b> Annual	<b>Volumes:</b> 1	
<b>Interface Requirement:</b>			
<p>The BSCCo Ltd sends the TAA the annual number of Metering Systems to be technically assured.</p> <ul style="list-style-type: none"> <li>• <del>Number of Metering Systems in CRA</del></li> <li>• <del>Percentage figure to be applied</del></li> <li>• <del>Total number of Metering Systems to be assured.</del></li> </ul>			

**7.55** ~~TAA-I002: (output) Agree Metering systems to be subject to Revisited site visits~~

<b>Requirement ID:</b> TAA-I002	<b>User:</b> BSCCo Ltd	<b>Title:</b> Agree Metering systems to be subject to Revisited site visits.	<b>ITT reference:</b> 3.1.6, CP619
<b>Mechanism:</b> Manual	<b>Frequency:</b> Quarterly	<b>Volumes:</b>	
<b>Interface Requirement:</b>			
<p>The TAA sends BSCCo Ltd a list detailing the Metering Systems for which “Targeted”, “Revisited” and “Sampled” technical assurance visits will be performed.</p> <p>The BSCCo Ltd will be sent the list in an electronic format and include the following detail</p> <ul style="list-style-type: none"> <li>• <del>Category—Sample, Targeted or Revisited</del></li> <li>• <del>Metering System Identifier</del></li> <li>• <del>Quarter 1, 2, 3, or 4</del></li> </ul>			

**7.56 — TAA-I003: (input) Notify Metering Systems to be subject to Targeted, Urgent or Additional site visits**

<b>Requirement ID:</b> TAA-I003	<b>Source:</b> BSCCo Ltd	<b>Title:</b> Notify Metering Systems to be subject to Targeted, Urgent or Additional site visits	<b>ITT reference:</b> 3.2.9, CP619
<b>Mechanism:</b> Manual	<b>Frequency:</b> Quarterly (targeted), at any time (others)	<b>Volumes:</b>	
<b>Interface Requirement:</b>			
<p>The BSCCo Ltd sends a the TAA a list detailing the Metering Systems for which technical assurance visits are to be performed.</p> <p>The BSCCo Ltd will be send the list in an electronic format.</p> <p>The list will include</p> <ul style="list-style-type: none"> <li>• Metering System Identifier</li> <li>• Type of Inspection             <ul style="list-style-type: none"> <li>• Targeted</li> <li>• Urgent</li> <li>• Additional Targeted</li> <li>• Additional Revisited</li> </ul> </li> </ul>			

**7.57 — TAA-I009: (output, part 1) Non compliance / compliance notice**

This interface is defined in Part 1 of the IDD.

**7.58 — TAA-I010: (output) Report to BSCCo Ltd**

<b>Requirement ID:</b> TAA-I010	<b>User:</b> BSCCo Ltd	<b>Title:</b> Report to BSCCo Ltd	<b>ITT reference:</b> TAA-SD-3.4.3
<b>Mechanism:</b> -Manual	<b>Frequency:</b> Monthly	<b>Volumes:</b> 4	
<b>Interface Requirement:</b>			
<p>The results and details of all technical assurance visits shall be reported by the TAA to the BSCCo Ltd.</p> <ul style="list-style-type: none"> <li>● Number of site visits performed by category</li> <li>● Number of Non-Compliances by category</li> <li>● Number of access failures</li> </ul>			

**7.59 — TAA-I017: (input) Approved Metering Dispensation**

<b>Requirement ID:</b> TAA-I017	<b>Source:</b> BSCCo Ltd	<b>Title:</b> Approved Metering Dispensation	<b>ITT reference:</b> GR095
<b>Mechanism:</b> -Manual	<b>Frequency:</b> On-Demand	<b>Volumes:</b>	
<b>Interface Requirement:</b>			
<p>BSCCo Ltd. shall send the TAA details of approved metering dispensations. The information provided shall include:</p> <ul style="list-style-type: none"> <li>● Identity of Site</li> <li>● Metering System Identifier</li> <li>● Metering Dispensation number</li> <li>● Metering Dispensation details.</li> </ul>			



~~7.60 TAA-I018: (input) Metering Dispensation Application~~

<del>Requirement ID: TAA-I018</del>	<del>Source: BSCCo Ltd</del>	<del>Title: Metering Dispensation Application</del>	<del>ITT reference: CR095, CP619</del>
<del>Mechanism: -Manual</del>	<del>Frequency: On-Demand</del>	<del>Volumes:</del>	
<del>Interface Requirement:</del>			
<del>BSCCo Ltd. shall notify the TAA of applications for metering dispensations. The information provided shall include:</del>			
<del> <ul style="list-style-type: none"> <li>• Identity of Site</li> <li>• Metering System Identifier</li> <li>• Dispensation Issue Reference Number</li> <li>• Metering Dispensation details.</li> </ul> </del>			

~~7.61 TAA-I019: (input) Metering Dispensation Result~~

<del>Requirement ID: TAA-I019</del>	<del>Source: BSCCo Ltd</del>	<del>Title: Metering Dispensation Result</del>	<del>ITT reference: CR095</del>
<del>Mechanism: -Manual</del>	<del>Frequency: On-Demand</del>	<del>Volumes:</del>	
<del>Interface Requirement:</del>			
<del>BSCCo Ltd. shall notify the TAA of the result of metering dispensation applications. The information provided shall include:</del>			
<del> <ul style="list-style-type: none"> <li>• Identity of Site</li> <li>• Metering System Identifier</li> <li>• Metering Dispensation Number (if applicable)</li> <li>• Result</li> </ul> </del>			

**7.62 ~~TAA-I020: (input) Metering Dispensation Appeal Result~~**

<b>Requirement ID:</b> TAA-I020	<b>Source:</b> BSCCo Ltd	<b>Title:</b> Metering Dispensation Appeal Result	<b>ITT reference:</b> CR095
<b>Mechanism:</b> -Manual	<b>Frequency:</b> On-Demand	<b>Volumes:</b>	
<b>Interface Requirement:</b>			
<p>BSCCo Ltd. shall notify the TAA of the result of metering dispensation appeals. The information provided shall include:</p> <ul style="list-style-type: none"> <li>• Identity of Site</li> <li>• Metering System Identifier</li> <li>• Metering Dispensation Number (if applicable)</li> <li>• Result</li> </ul>			

**7.61 SAA-I034: (output) Report Recommended Data Change**

<b>Interface ID:</b> SAA-I034	<b>User:</b> BSCCo	<b>Title:</b> Report Recommended Data Change	<b>ITT reference:</b> CP995
<b>Mechanism:</b> Manual	<b>Frequency:</b> In response to SAA-I033	<b>Volumes:</b> Low	
<b>Interface Requirement:</b>			
The SAA will report to BSCCo a recommend a course of action with regards a request for data change receive from the System Operator (via SAA-I033).			
<b>Non Functional Requirement:</b>			
<b>Issues:</b>			

**7.62 SAA-I035: (input) Receive Instruction for Data Change**

<b>Interface ID:</b> SAA-I035	<b>Source:</b> BSCCo	<b>Title:</b> Receive Instruction for Data Change	<b>ITT reference:</b> CP995
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<b>Mechanism:</b>	<b>Frequency:</b>	<b>Volumes:</b>
Manual	In response to SAA-I034	Low
<b>Interface Requirement:</b>		
In response to SAA-I034 BSCCo shall send to the SAA instructions for a data change.		
<b>Non Functional Requirement:</b>		
<b>Issues:</b>		

**7.63 SAA-I036: (output) Report Confirmation of Data Change**

<b>Interface ID:</b>	<b>User:</b>	<b>Title:</b>	<b>ITT reference:</b>
SAA-I036	BSCCo, System Operator	Report Confirmation of Data Change	CP995
<b>Mechanism:</b>	<b>Frequency:</b>	<b>Volumes:</b>	
Manual	In response to SAA-I035	Low	
<b>Interface Requirement:</b>			
The SAA shall report to BSCCo and the System Operator confirmation of the completion of an instructed data change (received via SAA-I035).			
<b>Non Functional Requirement:</b>			
<b>Issues:</b>			

**7.64 SAA- I038: (input) Receive Excluded Emergency Acceptance Pricing Information**

<b>Interface ID:</b>	<b>Source:</b>	<b>Title:</b>	<b>ITT reference:</b>
SAA-I038	BSCCo	Receive Excluded Emergency Acceptance Pricing Information	P172

<b>Mechanism:</b>	<b>Frequency:</b>	<b>Volumes:</b>
Manual	Ad-hoc	Low
<b>Interface Requirement:</b>		
<p>The BSCCo shall send to the SAA recalculated Energy Imbalance Prices resulting from Excluded Emergency Acceptances prior to each subsequent Settlement Run.</p> <p>The following data items will be included in the communication:</p> <ul style="list-style-type: none"> <li>Settlement Day</li> <li>Settlement Period</li> <li>Buy Price</li> <li>Sell Price</li> <li>Settlement Run Type that was used to calculate the new Energy Imbalance Prices.</li> </ul>		
<b>Non Functional Requirement:</b>		
<b>Issues:</b>		

**7.65 SAA-I039: (output) Send Excluded Emergency Acceptance Dry Run Results**

<b>Interface ID:</b>	<b>User:</b>	<b>Title:</b>	<b>ITT reference:</b>
SAA-I039	SAA	Send Excluded Emergency Acceptance Dry Run Results	P172
<b>Mechanism:</b>	<b>Frequency:</b>	<b>Volumes:</b>	
Manual	Ad-hoc	Low	
<b>Interface Requirement:</b>			
<p>The SAA shall, as a result of any additional 'dry run' carried out in response to Excluded Emergency Acceptances received, send to the BSCCo confirmation of whether SAA has matched the prices within the defined threshold. The confirmation will be in the form of a Y/N flag.</p>			
<b>Non Functional Requirement:</b>			
<b>Issues:</b>			

**7.66 SAA- I040: (input) Receive Authorisation To Proceed With Full Settlement Run**

<b>Interface ID:</b> SAA-I040	<b>Source:</b> BSCCo	<b>Title:</b> Receive Authorisation To Proceed With Full Settlement Run	<b>ITT reference:</b> P172
<b>Mechanism:</b> Manual	<b>Frequency:</b> Ad-hoc	<b>Volumes:</b> Low	
<b>Interface Requirement:</b> The BSCCo shall send to the SAA authorisation to proceed with the full Settlement Run.			
<b>Non Functional Requirement:</b>			
<b>Issues:</b>			

**7.67 ECVAA-I049: (input) Request to remove all ECVNs and MVRNs from ECVAA for a Party in Section H Default**

<b>Interface ID:</b> ECVAA-I049	<b>Source:</b> BSCCo Ltd	<b>Title:</b> Request to remove all ECVNs and MVRNs from ECVAA for a Party in Section H Default	<b>ITT reference:</b> CP1140 CP1169
<b>Mechanism:</b> Manual, by email.	<b>Frequency:</b> As required	<b>Volumes:</b> Low	
<b>Interface Requirement:</b> The ECVAA shall receive, from time to time request to remove all ECVNs and MVRNs from ECVAA for a Party in Section H Default, which shall contain:  <ol style="list-style-type: none"> <li>1. Party ID</li> <li>2. Removal effective from Date</li> <li>3. Removal effective from Period</li> <li>4. Copy of the BSC Panel resolution</li> <li>5. Any notes pertinent to this removal</li> </ol>			
<b>Physical Interface Details:</b>			

**7.68 ECVAA-I050: (output) Remove all ECVNs and MVRNs from ECVAA for a Party in Section H Default Feedback.**

<b>Requirement ID:</b> ECVAA-I050	<b>User:</b> BSCCo Ltd	<b>Title:</b> Remove all ECVNs and MVRNs from ECVAA for a Party in Section H Default feedback	<b>ITT reference:</b> CP1140 CP1169
<b>Mechanism:</b> Manual, by email.	<b>Frequency:</b> As required	<b>Volumes:</b> Low	
<b>Interface Requirement:</b>  The ECVAA shall issue feedback to BSCCo Ltd following the <u>receipt of a request to remove all</u> ECVNs and MVRNs for a Party in Section H default, which shall contain:  <ol style="list-style-type: none"> <li>1. Party ID</li> <li>2. Removal effective from Date</li> <li>3. Removal effective from Period</li> <li>4. Any notes pertinent to this removal</li> </ol>			
<b>Physical Interface Details:</b>  The ECVAA-I050 shall be used on the following occasions:  Where the dis-application is to commence from Period 1:  <ol style="list-style-type: none"> <li>1. To confirm receipt of the ECVAA-I049.</li> <li>2. To confirm that all Notifications have been removed and all Authorisations terminated for the defaulting Party,</li> <li>3. To confirm that the Credit Check has been restarted.</li> <li>4. To confirm that the final check has been completed.</li> </ol> Where the dis-application is to commence from any period other than Period 1:  <ol style="list-style-type: none"> <li>1. To confirm receipt of the ECVAA-I049.</li> <li>2. To confirm that all Notifications have been removed from the next settlement day and all Authorisations terminated for the defaulting Party,</li> <li>3. To confirm that the Credit Check has been restarted.</li> <li>4. To confirm that the Volume Nullification process is completed. An update on the progress of each Volume Notification Nullification will be sent every working day if this process takes more than one working day.</li> <li>5. To confirm that the final check has been completed.</li> </ol> Note: additional informal communications may occur between the ECVAA and BSCCo by email and/or telephone as individual circumstances dictate.			

## 8 Interfaces From and To Stage 2

[NO CHANGE PROPOSED TO THIS SECTION]

## 9 Interfaces Within Logica NETA Central Systems

### 9.1 BMRA-I001 (input): Registration Data

See CRA-I013 and CRA-I015 in section 4.

### 9.2 BMRA-I007 (output) SAA/ECVAA Balancing Mechanism Data

Interface IDs: From: BMRA-I007 To: SAA-I003 To: ECVAA-I048	User: SAA, ECVAA	SAA/ECVAA Balancing Mechanism Data	ITT reference: RETA SCH: 4, B, 2.4.1 SAA SD: 2.1, A1, ITT Query Response Ref R-031 SAA BPM: 3.3, 4.3, 4.4, 4.17, 4.18, P71, P140
Mechanism: BMRA stores the files it receives from the SO in a directory readable by SAA and ECVAA.	Frequency: As required for SAA and ECVAA.	Volumes: Between 1000 - 5000 BM units*. In each settlement period, at least 1 FPN data and 1 Bid-Offer Acceptance per BM unit. At most 10 Bid-Offer Pairs per BM unit (estimated 1000) that receives bids and offers.	
<p><b>Interface Requirement:</b></p> <p>The BMRA Service shall copy all Balancing Mechanism data that was received from the SO on settlement day N to a directory that is readable by SAA. The SAA shall load the data in time for the first (Interim) settlement run for settlement day N. . Physical Notification data shall additionally be copied to a directory readable by the ECVAA.</p> <p>* N.B. Only Physical Notification data will be read by ECVAA.</p> <p>Balancing mechanism data shall include all data listed in BMRA-I002 that was received from the SO, i.e:</p> <ul style="list-style-type: none"> <li>Physical Notification (PN)</li> <li>Quiescent PN (QPN)</li> <li>Bid-Offer Data (BOD)</li> <li>Bid-Offer Acceptance Level (BOAL)</li> <li>Applicable Balancing Services Volume (QAS)</li> <li>Maximum Export Limit (MEL)</li> <li>Maximum Import Limit (MIL)</li> <li>Run Up Rates Export (RURE)</li> <li>Run Up Rates Import (RURI)</li> <li>Run Down Rates Export (RDRE)</li> <li>Run Down Rates Import (RDRI)</li> <li>Notice to Deviate from Zero (NDZ)</li> <li>Notice to Deliver Offers (NTO)</li> <li>Notice to Deliver Bids (NTB)</li> <li>Minimum Zero Time (MZT)</li> <li>Minimum Non-Zero Time (MNZT)</li> <li>Stable Export Limit (SEL)</li> <li>Stable Import Limit (SIL)</li> <li>Maximum Delivery Volume (MDV)</li> <li>Maximum Delivery Period (MDP)</li> </ul>			

Interface IDs: From: BMRA-I007 To: SAA-I003 To: ECVAA-I048	User: SAA, ECVAA	SAA/ECVAA Balancing Mechanism Data	ITT reference: RETA SCH: 4, B, 2.4.1 SAA SD: 2.1, A1, ITT Query Response Ref R-031 SAA BPM: 3.3, 4.3, 4.4, 4.17, 4.18, P71, P140
<b>Physical Interface Details:</b>			

**9.3 BMRA-I010: (output, common) Data Exception Reports**

This interface is defined in Part 1 of the Interface Definition and Design.

**9.4 BMRA-I018: (input) Publish Credit Default Report**

See ECVAA-I036 in this section.

**9.5 CDCA-I002: (input) Registration Data**

See CRA-I019 in this section.

**9.6 CDCA-I016: (input) Information from TAA**

<b><u>Interface Id:</u></b> <u>CDCA-I016</u>	<b><u>Source:</u></b> <u>TAA</u>	<b><u>Title:</u></b> <u>Request for Metering System details</u>	<b><u>ITT reference:</u></b> <u>TAA SD 3.2.3</u>
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<b>Mechanism:</b> Manual	<b>Frequency:</b> Quarterly	<b>Volumes:</b> 1
<b>Interface Requirement:</b>		
<p>The TAA shall request from the CDCA the following details for each Metering Systems identified by the BSCCo Ltd as being in the Sampled category: This information shall be used by the TAA to ensure that a fair sample is selected, and to ensure that any selection guidance given by the BSCCo Ltd can be followed.</p> <ul style="list-style-type: none"> <li>• <u>Relevant BSC Party</u></li> <li>• <u>Meter Operator Agent</u></li> <li>• <u>Metering Equipment technical details</u></li> <li>• <u>Applicable Code of Practice</u></li> <li>• <u>GSP and/or GSP Group</u></li> </ul>		

See TAA-I004 in this section.

## 9.7 CDCA-I020: (input) Site Visit Inspection Report

<b>Interface Id:</b> CDCA-I020	<b>Source:</b> CDCA Site Visit Agent	<b>Title:</b> Site Visit Inspection Report	<b>ITT reference:</b> CDCA SD 13.1- 13.7, CP753, CP756, P190
<b>Mechanism:</b> Manual, by email, letter or fax	<b>Frequency:</b> Ad hoc	<b>Volumes:</b> 50 per month	
<b>Interface Requirement:</b>			
<p>On completion of the site inspection, the Site Visit Agent will provide a written report to CDCA detailing the outcome of the site inspection including, but not limited to meter readings.</p>			
<b>Physical Interface Details:</b>			

### 9.8 CDCA-I027: (output) Aggregated Interconnector Meter Flow Volumes

<b>Interface Id:</b> From: CDCA-I027 To: SAA-I004	<b>User:</b> SAA	<b>Title:</b> Aggregated Interconnector Meter Flow Volumes	<b>ITT reference:</b> CDCA SD 22, 23.1, A, B CDCA BPM 4.15, CP527
<b>Mechanism:</b> via shared database	<b>Frequency:</b> Daily	<b>Volumes:</b> Initially 96 (2 interconnectors * 48 readings). The number of interconnectors is expected to increase to 5 or 6.	
<b>Interface Requirement:</b>			
<p>Aggregated meter flow volumes for the Interconnectors are sent to SAA, as follows for each Interconnector:</p> <p>Interconnector Identifier Settlement Date Settlement Period Estimate Indicator Date of aggregation Meter Volume CDCA Run Number Import/Export indicator (I/E)</p> <p>The Import/Export indicator indicates the direction of the energy flow: the Meter Volume is therefore unsigned.</p>			
<b>Physical Interface Details:</b>			

### 9.9 CDCA-I028: (output) Aggregated BM Unit Meter Flow Volumes

<b>Interface Id:</b> From:CDCA-I028 To: SAA-I004	<b>User:</b> SAA	<b>Title:</b> Aggregated BM Unit Meter Flow Volumes	<b>ITT reference:</b> CDCA SD 22, 23.1, A, B CDCA BPM 4.9, CP527
<b>Mechanism:</b> via shared database	<b>Frequency:</b> Daily	<b>Volumes:</b>	
<b>Interface Requirement:</b>			
<p>Aggregated meter flow volumes for the BM Units are sent to SAA, as follows for each BM Unit:</p> <p>BM Unit Identifier Settlement Date Settlement Period Estimate Indicator Date of aggregation Meter Volume CDCA Run Number Import/Export indicator (I/E)</p> <p>The Import/Export indicator indicates the direction of the energy flow: the Meter Volume is therefore unsigned.</p>			
<b>Physical Interface Details:</b>			

**9.10 CDCA-I034: Settlement Calendar**

This interface is defined in Part One as SAA-I016.

**9.11 CDCA-I035: (input) Site Visit Report on Aggregation Rule Compliance**

<b>Interface Id:</b> CDCA-I035	<b>User:</b> CDCA Site Visit Agent	<b>Title:</b> Site Visit Report on Aggregation Rule Compliance	<b>ITT reference:</b> CDCA SD 22.4, CP756
<b>Mechanism:</b> Manual, by email, letter or fax	<b>Frequency:</b>	<b>Volumes:</b> Currently 12 GSP Groups in England & Wales	
<b>Interface Requirement:</b>			
A report from the site visit agent, after undertaking (where necessary) a site visit to verify the validity of the aggregation rules.			
<b>Physical Interface Details:</b>			

**9.12 CDCA-I036: (output) GSP Group Take to SAA**

<b>Interface Id:</b> From: CDCA-I036 To: SAA-I004	<b>User:</b> SAA	<b>Title:</b> GSP Group Take to SAA	<b>ITT reference:</b> CDCA SD 22, 23.1, A, B CDCA BPM 4.13, CP527
<b>Mechanism:</b> via shared database	<b>Frequency:</b> Daily	<b>Volumes:</b> Currently 12 GSP Groups in England & Wales	
<b>Interface Requirement:</b>			
CDCA provides aggregated meter flow volumes for the GSP Groups to SAA, as follows for each GSP Group:			
GSP Group Id Settlement Date Settlement Period Estimate Indicator Date of aggregation Meter Volume CDCA Run Number Import/Export indicator (I/E)			
The Import/Export indicator indicates the direction of the energy flow: the Meter Volume is therefore unsigned.			
<b>Physical Interface Details:</b>			

**9.13 CDCA-I039: (output) Information to TAA**

<b>Interface Id:</b> From: CDCA-I039 To: TAA-I005	<b>User:</b> TAA	<b>Title:</b> Information to TAA.	<b>ITT reference:</b> CDCA SD 11.6 BPM
<b>Mechanism:</b> Manual	<b>Frequency:</b> As required	<b>Volumes:</b> estimate 10 per day (0.2% of 5000)	
<b>Interface Requirement:</b>			
<p>The CDCA carry out site inspections and liaise with the Technical Assurance Agent (TAA) as necessary.</p> <p>The CDCA sends the TAA the following Metering System details for all Metering Systems in the Sampled category.</p> <ul style="list-style-type: none"> <li>• Relevant BSC Party</li> <li>• Meter Operator Agent</li> <li>• Metering Equipment technical details</li> <li>• Applicable Code of Practice</li> <li>• GSP and/or GSP Group</li> </ul>			
<b>Physical Interface Details:</b>			

**9.14 CDCA-I050: (input) Data Exception Reports**

This interface is defined in Part One as SAA-I017.

**9.15 CRA-I010**

This interface is redundant.

**9.16 CRA-I013: (output, common) Issue Authentication Report**

This interface is defined in Section 4.

**9.17 CRA-I015: (output, common) BM Unit and Energy Account Registration Data**

This interface is defined in Section 4.

**9.18 CRA-I017 (output): Credit Assessment Capability**

Requirement ID: From: CRA-I017 To: ECVAA-I001 To: SAA-I002	User: ECVAA, SAA	Title: Credit Assessment Capability	ITT reference: SAA SD: 2.7, A1 SAA BPM: 3.1, CRA 7.2.2
Mechanism: Via shared database with SAA and electronic data file transfer to ECVAA	Frequency: Monthly or Ad- hoc	Volumes:	
<b>Interface Requirement:</b>			
The CRA Service shall issue the Credit Assessment to the SAA and ECVAA Services from time to time. The report shall contain:			
<u>Credit Assessment Details</u>			
BM Unit ID			
BM Unit Credit Assessment Export Capability (BMCAEC)			
BM Unit Credit Assessment Import Capability (BMCAIC)			
Effective From Date			
Effective To Date			
Physical Interface Details:			

**9.19 CRA-I019: (output) Registration Data**

Interface Id: From: CRA-I019 To: CDCA-I002	User: CDCA	Title: Registration Data	ITT reference: CDCA SD: 4.6-4.14, A CDCA BPM 4.16, P100, P197
Mechanism: Via shared database	Frequency: Daily	Volumes: Low	
<b>Interface Requirement:</b>			
<b>Interface Requirement:</b>			
The CRA Service shall issue to the CDCA the registered meter data required by that system. This will contain:			
Note: Certification /Accreditation refers to Qualification.			
<u>BSC Party Details</u>			
BSC Party Name			
BSC Party ID			
<u>Party Role Details</u>			
BSC Party Type			
Registration Effective From Date			
Registration Effective To Date			
<u>Role Address Details</u>			
Address			
Telephone No			
Fax No			
e-mail Address			
<u>Settlement Report Details</u>			
Report Type			

Distribution Method
<u>Authentication Details</u>
Name
Password
<u>Authorised Signatories</u>
Name
Password
Contact Phone No
e-mail Address
<u>Authorisation Levels</u>
Activity
Effective From Date
Effective To Date
<u>Interconnector Administrator Details</u>
Interconnector Administrator Name
Interconnector Administrator ID
Interconnector ID
GSP Group ID (optional)
Registration Effective From Date
Registration Effective To Date
<u>Contact Details</u>
Name
Telephone No
Fax No
e-mail Address
Effective From Date
Effective To Date
<u>Meter Operator Agent Details</u>
Meter Operation Agent Name
Meter Operation Agent Identifier
Registration Effective From Date
Registration Effective To Date
<u>Role Address Details</u>
Address
Telephone No
Fax No
e-mail Address
<u>Authorised Signatories</u>
Name
Password
Contact Phone No
e-mail Address
<u>Authorisation Levels</u>
Activity
Effective From Date
Effective To Date
<u>Certification/Accreditation Details</u>
Certification/Accreditation Status
<u>Metering System Registration Details</u>
Metering System Identifier
BSC Party ID
Meter Operator Agent ID
Effective From Date

Effective To Date
<u>Boundary Point Details</u>
Boundary Point ID
Boundary Point Type
Effective From Date
Effective To Date
<u>BM Unit Registration Details</u>
BM Unit Name
BM Unit ID
BM Unit Type
NGC BM Unit Name
GSP Group ID
Trading Unit Name
Lead Party Identifier
Generation Capacity (MW)
Demand Capacity (MW)
Production / Consumption Flag
Exempt Export Flag
Base TU Flag
Transmission Loss Factor
FPN flag
Interconnector ID
Effective From Date
Effective To Date
<u>Interconnector Registration Details</u>
Name
Additional Details
Interconnector ID
Effective From Date
Effective To Date
<u>GSP Group Registration Details</u>
GSP Group Registrant (ie the responsible distribution business)
GSP Group ID
GSP Group Name
<u>GSP Details</u>
GSP ID
Effective From Date
Effective To Date
Physical Interface Details:

**9.20 CRA-I022: (output) Metering System Details**

Requirement ID: From: CRA-I022 To: TAA-I015	User: TAA	Title: Metering System Details	ITT reference: CRA SD 10.3
Mechanism: Manual	Frequency: On Request	Volumes: Low	
<b>Interface Requirement:</b>			
<p>The CRA system shall issue a report on the metering systems attributed to a given Technical Assurance Agent.</p> <p><u>Metering System Registration Data</u></p> <p><u>Metering System Details</u></p> <ul style="list-style-type: none"> <li>Action Code</li> <li>Metering System Identifier</li> <li>BSC Party ID (registrant)</li> <li>Meter Operator Agent ID</li> <li>Effective From Date</li> <li>Effective To Date</li> </ul> <p>The first field of each record of the report is an Action Code, indicating whether the record has a) been added or changed; b) been deleted or c) not changed.</p>			
<p>Physical Interface Details: A physical definition is included in the spreadsheet to define the format of the report which is printed out and passed to TAA.</p>			

**9.21 CRA-I030: (input) Data Exception Reports**

This interface is defined in Section 4 as ECVAA-I016 and SAA-I017, and in Part 1 of the Interface Definition and Design as BMRA-I010.

**9.22 CRA-I045: (input) Withdrawing Party Authorisation and Notification Details**

See ECVAA-I047 in this section.

**9.23 CRA-I046: (input) Withdrawing Party Settlement Details**

**9.24 See SAA-I037 in this section. ECVAA-I001 (input): Registration Data**

See CRA-I013 and CRA-I015 in section 4, CRA-I017 in this section

**9.25 ECVAA-I011: Account Bilateral Contract Volume Report**

Requirement ID:	User:	Title:	ITT reference:
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From: ECVAA-I011 To: SAA-I008	SAA	Account Bilateral Contract Volume Report	ECVAA SD: 8.5, A RETA ERR: 6 ECVAA BPM: 3.3, 4.21 RETA SCH: 4, B, 3.1, CP527
Mechanism: Electronic data file transfer	Frequency: Daily and in support of disputes	Volumes:	
<p><b>Interface Requirement:</b></p> <p>The ECVAA Service shall issue an Account Bilateral Contract Volume Report to the SAA once a day. At the end of each Settlement Day, the ECVAA shall report Account Bilateral Contract Volumes for that Settlement Day to the SAA.</p> <p>The ECVAA Service shall issue a revised Account Bilateral Contract Volume Report to the SAA as required to support disputes.</p> <p>Note: Revision of ECVAA data in support of disputes will not cause credit cover tests to be retrospectively applied.</p> <p>The Account Bilateral Contract Volume Report shall include:</p> <ul style="list-style-type: none"> <li>BSC Party ID</li> <li>Production/Consumption flag</li> <li>ECVAA Run Number</li> <li>Settlement Date</li> <li>Settlement Period (1-50)</li> <li>Account Bilateral Contract Volume (MWh)</li> </ul>			

**9.26 ECVAA-I012: MVRN Report**

Requirement ID: From: ECVAA-I012 To: SAA-I008	User: SAA	Title: MVRN Report	ITT reference: ECVAA SD: 9.2, 9.4, A RETA ERR: 2 ECVAA BPM: 3.3, 4.19 RETA SCH: 4, B, 3.1, CP527
Mechanism: Electronic data file transfer	Frequency: Daily and in support of disputes	Volumes: Medium	
<p><b>Interface Requirement:</b></p> <p>The ECVAA Service shall issue a Metered Volume Reallocation Notification Report (initial and revised) to the SAA once a day. At the end of each Settlement Day, the ECVAA shall report valid Metered Volume Reallocation Notifications for that Settlement Day to the SAA.</p> <p>The ECVAA Service shall issue a revised Metered Volume Reallocation Notification Report to the SAA as required to support disputes.</p> <p>Note: Revision of ECVAA data in support of disputes will not cause credit cover tests to be retrospectively applied.</p> <p>The Metered Volume Reallocation Notification Report shall comprise:</p> <ul style="list-style-type: none"> <li>BM Unit ID</li> <li>ECVAA Run Number</li> <li>Settlement Date</li> <li>Settlement Period (1-50)</li> <li>Lead Party Production/Consumption flag</li> <li>Subsidiary Party ID</li> <li>Subsidiary Party Energy Account Production/Consumption flag</li> <li>Metered Volume Fixed Reallocation (MWh)</li> <li>Metered Volume Percentage Reallocation (%)</li> </ul>			

**9.27 ECVAA-I016: (output, common) ECVAA Data Exception Report**

This interface is defined in Section 4.

**9.28 ECVAA-I020: (input) Data Exception Reports**

This interface is defined in Part One as SAA-I017.

**9.29 ECVAA-I036: (output) Publish Credit Default Report**

<b>Requirement ID:</b> From: ECVAA-I036 To: BMRA-I018	<b>User:</b> BMRA	<b>Title:</b> Publish Credit Default Report	<b>ITT reference:</b> CP703, Variation 45
<b>Mechanism:</b> Electronic Data File Transfer	<b>Frequency:</b> As required	<b>Volumes:</b> Low	
<p><b>Interface Requirement:</b> The ECVAA Service shall issue a Publish Credit Default Report to the BMRA as described in requirement ECVAA-F007.</p> <p>The Publish Credit Default Report shall comprise:</p> <p><u>Credit Default Notice:</u></p> <p>BSC Party ID Credit Default Level Entered Default Settlement Day Entered Default Settlement Period Cleared Default Settlement Day Cleared Default Settlement Period Cleared Default Reason</p> <p>Notes:</p> <ol style="list-style-type: none"> <li>The Credit Default Level may be one of the following: Level 1 Default; Level 2 Default;</li> <li>The Entered Settlement Day and Entered Settlement Period indicate when the BSC Party entered the reported default level.</li> <li>The Cleared Settlement Day and Cleared Settlement Period indicate when the BSC Party cleared the reported default level.</li> <li>The Cleared Default Reason indicates why the Party cleared default and may include one of the following Credit Cover Percentage &lt;= 75% of Credit Limit (Level 1 Default) Credit Cover Percentage &lt;= 90% of Credit Limit (Level 2 Default) Authorisation Withdrawn by BSCCo Ltd (Discretionary). Authorisation Withdrawn by BSCCo Ltd (Trading Dispute Upheld) Party Withdrawn from BSC</li> </ol>			

**9.30 ECVAA-I047: (output) Withdrawing Party Authorisation and Notification Details**

<b>Interface ID:</b> ECVAA-I047	<b>User:</b> CRA	<b>Title:</b> Withdrawing Party Authorisation and Notification Details	<b>ITT reference:</b> CP974
<b>Mechanism:</b> Manual, by email or fax	<b>Frequency:</b> On request	<b>Volumes:</b> Low	
<b>Interface Requirement:</b>			
<p>The ECVAA shall issue details of outstanding authorisations and notifications for a withdrawing participant, on request from the CRA.</p> <p style="padding-left: 40px;">Report Date BSC Party / BSC Party Agent Name BSC Party / BSC Party Agent Id</p> <p style="padding-left: 40px;"><u>Authorisation and Notification Details</u> Indication of outstanding ECVNA / MVRNA authorisations for the party / agent<sup>1</sup> Date of last outstanding non-zero notifications for the party<sup>2</sup></p> <p>1. This field is set to “Yes” if outstanding ECVNA / MVRNA authorisations are in place or “No” otherwise. An outstanding authorisation is one where the effective to date is null or equal to or greater than the report date. If outstanding authorisations are found the maximum effective to date is given.</p> <p>2. The date of the last outstanding non-zero notification gives the last date for which there are outstanding non-zero ECVN / MVRN volumes relating to the party. For the avoidance of doubt, this check is done at the individual notification level (i.e. not after netting the notifications to give the overall contract position). Where the party has a notification in place with no effective to date, the date of the last outstanding non-zero notification is reported as “evergreen”.</p>			
<b>Physical Interface Details:</b>			

**9.31 ECVAA-I048 (input) Physical Notification Data**

See BMRA-I007 in this section.

**9.32 SAA-I013: (output) Credit/Debit**

This interface is defined in Section 4.

**9.33 SAA-I001 (input): Registration Data**

See CRA-I013 and CRA-I015 in section 4.

**9.34 SAA-I002 (input): Credit Assessment Capability**

See CRA-I017 in this section

**9.35 SAA-I003 (input) SAA Balancing Mechanism Data**

See BMRA-I007 in this section.

**9.36 SAA-I004: (input) Period Meter Data**

See CDCA-I027, CDCA-I028 and CDCA-I036 in this section.

**9.37 SAA-I008: MVRN Report**

See ECVAA-I011 and ECVAA-I012 in this section.

**9.38 SAA-I015**

This interface is redundant.

**9.39 SAA-I016: (output, part 1) Settlement Calendar**

This interface is defined in Part 1 of the Interface Definition and Design.

**9.40 SAA-I017: (output, common) SAA Data Exception Report**

This interface is defined in Part 1 of the Interface Definition and Design.

**9.41 SAA-I037: (output) Withdrawing Party Settlement Details**

Interface ID: SAA-I037	User: CRA	Title: Withdrawing Party Settlement Details	ITT reference: CP974
Mechanism: Manual, via shared database	Frequency: On request	Volumes: Low	
<b>Interface Requirement:</b>			
<p>The SAA shall issue settlement details for a withdrawing participant, on request from the CRA.</p> <p>Report Date BSC Party Name BSC Party Id</p> <p><u>Settlement Details</u> Date of last non-zero metered volumes held in SAA</p> <p>The date of the last metered volumes held in SAA is the last settlement date for which the party has non-zero metered volumes registered against its Interconnector, Supplier or CDCA metered BM Units.</p>			
<b>Physical Interface Details:</b>			

**9.42 ~~TAA-I004: (output) Information from TAA~~**

<b>Requirement ID:</b> From: TAA-I004 To: CDCA-I016	<b>User:</b> CDCA	<b>Title:</b> Request for Metering System details	<b>ITT reference:</b> TAA-SD-3.2.3
<b>Mechanism:</b> -Manual	<b>Frequency:</b> Quarterly	<b>Volumes:</b> 1	
<b>Interface Requirement:</b>			
<p>The TAA shall request from the CDCA the following details for each Metering Systems identified by the BSCCo Ltd as being in the Sampled category: This information shall be used by the TAA to ensure that a fair sample is selected, and to ensure that any selection guidance given by the BSCCo Ltd can be followed.</p> <ul style="list-style-type: none"> <li>• <del>Relevant BSC Party</del></li> <li>• <del>Meter Operator Agent</del></li> <li>• <del>Metering Equipment technical details</del></li> <li>• <del>Applicable Code of Practice</del></li> <li>• <del>GSP and/or GSP Group</del></li> </ul>			

**9.43 ~~TAA-I005: (input) Information to TAA~~**

~~See CDCA-I039 in this section.~~

**9.44 ~~TAA-I015: (input) Metering System Details~~**

~~See CRA-I022 in this section.~~

**9.459.42 CRA-I036: (output) Notification Agent Termination Request**

<b>Interface Id:</b> From: CRA-I036 To: ECVAA-I030	<b>User:</b> ECVAA	<b>Title:</b> Notification Agent Termination Request	<b>ITT reference:</b> CP503
<b>Mechanism:</b> Manual	<b>Frequency:</b> As required	<b>Volumes:</b> Low	
<b>Interface Requirement:</b>			
<p>The CRA Service shall issue Notification Agent Termination Requests to ECVAA when CRA is in the process of terminating an MVRNA or ECVNA role.</p> <p>The Notification Agent Termination Request shall comprise:</p> <p><u>Notification Agent Termination Request:</u></p> <p style="padding-left: 40px;">BSC Party Agent Id BSC Party Agent Role (MVRNA or ECVNA) Termination effective date</p>			
<b>Physical Interface Details:</b>			

**9.469.43 ECVAA-I031: (output) Notification Agent Termination Feedback**

<b>Interface Id:</b> From: ECVAA-I031 To: CRA-I037	<b>User:</b> CRA	<b>Title:</b> Notification Agent Termination Feedback	<b>ITT reference:</b> CP503
<b>Mechanism:</b> Manual	<b>Frequency:</b> As required	<b>Volumes:</b> Low	
<b>Interface Requirement:</b>			
<p>The ECVAA Service shall issue a Notification Agent Termination Feedback to CRA in response to a Notification Agent Termination Request.</p> <p>The Notification Agent Termination Feedback shall comprise:</p> <p><u>Notification Agent Termination Feedback:</u></p> <p style="padding-left: 40px;">BSC Party Agent Id BSC Party Agent Role (MVRNA or ECVNA) Termination effective date Termination Status</p> <p>Notes:</p> <p style="padding-left: 40px;">Termination status may indicate one of two situations:</p> <ol style="list-style-type: none"> <li>The notification agent has no outstanding notification authorisations beyond the termination effective date (and therefore CRA may terminate the role)</li> <li>The notification agent has some outstanding notification authorisations beyond the termination effective date (and therefore CRA may not terminate the role)</li> </ol>			
<b>Physical Interface Details:</b>			

**9.479.44 ECVAA-I033: (input) Credit/Debit Reports**

See SAA-I013 in Section 4.

**10 Interfaces From and To Transfer Coordinator**

[NO CHANGE PROPOSED TO THIS SECTION]

**11 CInterfaces From and To TLFA<sup>6</sup>**

[NO CHANGE PROPOSED TO THIS SECTION]

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<sup>6</sup> This functionality was added for the Introduction of Zonal Transmission Losses on an Average Basis (P82), but will not be used.