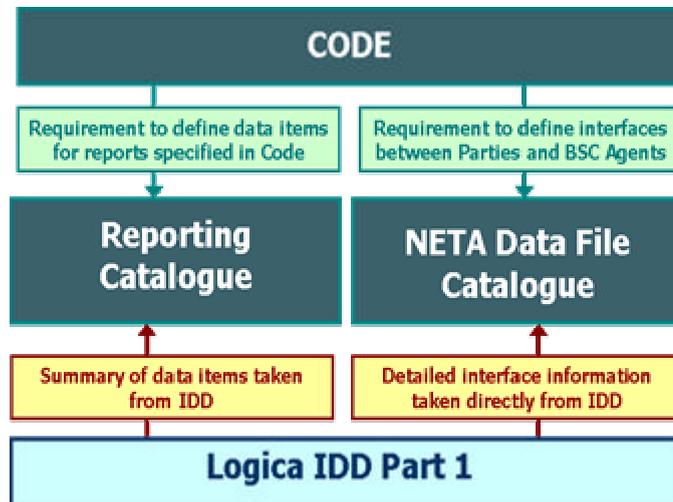


# Current Interface Document Structure and Changes Proposed under CP1061

This document illustrates the changes that are proposed to the current set of interface documents under CP1061- 'Rationalisation of Interface Documentation' (CP1061).

## 1. Current structure

The Balancing and Settlement Code (the 'Code') currently specifies the requirements for documenting interfaces between Parties and central systems. The Code requires that the interfaces between Parties and BSC Agents are defined in a 'Data Catalogue' (Section O). In addition the Code requires each report and the data items contained within that report to be detailed in a 'Reporting Catalogue' (Section V).



The NETA Data File Catalogue (NDFC) currently contains all files for communication between BSC Agents and Parties (or their Party Agents) defined as a consequence of NETA by any of the central service providers other than the Supplier Volume Allocation Agent (SVAA). It does not include the SVAA interfaces, which are specified in the SVA Data Catalogue, and it does not include communications between central service providers.

In most cases the NDFC outlines communications with BSC Agent services currently provided by Logica. As such, the majority of information within the NDFC is available in the Logica Interface Definition and Design part 1 (IDD). However, some communications are also included which are not within the scope of the IDD (for example Transmission Company flows/data items). The NDFC currently contains a detailed description of each report/data item (in most case this is a duplication of, and is derived from, information contained in the IDD).

The Reporting Catalogue is currently a stand alone document which outlines the data items within each of the reports in Section V of the Code. The Reporting Catalogue also covers other items which are reported, for example Code parameters set by the Panel and available on the BSC Website.

The Reporting Catalogue performs two main functions. Firstly, the Reporting Catalogue provides a high level summary of all the reporting requirements in the Code (the scope of this differs from that of the Data Catalogues, as it includes, amongst other things, BSCCo reporting and Panel set parameters). Secondly, the Reporting Catalogue provides a link between Code reporting obligations and data items (although actual flow references are not currently provided). Much of the information contained in the Reporting Catalogue is a high level duplication of information in the NDFC and IDD.

**EXAMPLE:**

The current structure and the level of duplication are now illustrated via reference to the Energy Contract Volume Aggregation Agent (ECVAA) Notification Report.

**Code Requirement:**

Section V of the Code introduces the requirement for the ECVAA Notification Report as follows:

**ANNEX V-1: TABLES OF REPORTS: TABLE 3 – ECVAA REPORTING**

<b>Name of report</b>	<b>Frequency</b>	<b>Recipient</b>	<b>General Description</b>
Notification Report	End of each Settlement Day	Relevant Party	For each Contract Trading Party, a summary relating to that Contract Trading Party of Energy Contract Volumes and Metered Volume Reallocations in respect of accepted notifications for the given Settlement Day and indebtedness data once these notifications are taken into account

**Reporting Catalogue:**

In accordance with Section V of the Code the Reporting Catalogue contains details of the ECVAA Notification Report and the data items contained within the report as follows (It should be noted that this information is a high level summary of information contained in the Logica IDD Part 1):

**4.1 Notification Report to BSC Parties, ECVNAs & MVRNAs**

- (a) Notification Data:
  - Settlement Date
  - ECVAA Run Number
  - Day Start Energy Indebtedness Data (to BSC Party Only):
    - Actual Energy Indebtedness (MWh) ( $\Sigma_{d28} AEI_{pd}$ )
    - Cumulative Credit Assessment Energy Indebtedness (MWh) ( $CCEI_{pj}$ )
    - Actual Energy Indebtedness Dates (*identifies which date range(s) have AEI data*)
      - From Settlement Date
      - To Settlement Date
- (b) Settlement Period Data:
  - Settlement Period (1-50)
- (c) ECVN Data:
  - ECVN ECVNAA ID
  - ECVN Reference Code
  - Energy Contract Volume (MWh)
  - ECVNA ID
  - ECVNAA ID
  - BSC Party 1 ID
  - BSC Party 1 Name
  - BSC Party 1 Energy Account Production/Consumption flag
  - BSC Party 2 ID
  - BSC Party 2 Name
  - BSC Party 2 Energy Account Production/Consumption flag

- (d) MVRN Data:
- MVRN MVRNAA ID
  - MVRN Reference Code
  - Metered Volume Fixed Reallocation (MWh)
  - Metered Volume Percentage Reallocation (%)
  - MVRNA ID
  - MVRNAA ID
  - BM Unit ID
  - Lead Party ID
  - Lead Party Name
  - Lead Party Energy Account Production/Consumption flag
  - Subsidiary Party ID
  - Subsidiary Party Name
  - Subsidiary Party Energy Account Production/Consumption flag
- (e) Indebtedness Data (to BSC Party Only):
- Credit Assessment Credited Energy Volume ( $CAQCE_{pj}$ ) (MWh)
  - Aggregated Energy Contract Volume ( $QABC_{pj}$ ) (MWh)
  - Cumulative Credit Assessment Energy Indebtedness\* (MWh) ( $CCEI_{pj}$ )
  - Energy Indebtedness\* (MWh) ( $EI_{pj}$ )
  - Credit Cover Percentage<sup>1</sup> (%)
  - Credit Limit (MWh)
- (f) Account Energy Data (to BSC Party Only)
- Energy Account Production/Consumption flag
  - Account Period CA Credited Energy Volume (MWh) ( $CAQCE_{aj}$ )
  - Account Period Energy Contract Volume (MWh) ( $QABC_{aj}$ )
  - Account Cumulative CA Credited Energy Volume\* (MWh) ( $CCAQCE_{aj}$ )
  - Account Cumulative Energy Contract Volume\* (MWh) ( $CQABC_{aj}$ )
- (g) Credit Limit Warning Data:
- BSC Party ID
  - BSC Party Name

Notes:

1. The “Day Start Indebtedness Data” group will contain cumulative figures for the 28 days up to (but not including) period 1 of the reported Settlement Day as follows:
  - (a) the sum of available Actual Energy Indebtedness
  - (b) the sum of Credit Assessment Energy Indebtedness for Settlement Days where Actual Energy indebtedness is not available.
2. Data items are marked with a “\*” to indicate that they are a “cumulative” figure. That is, the value is aggregated over the 29 days up to and including the reported settlement period.

## NETA Data File Catalogue

Section O of the Code introduces the requirement for interfaces between Parties and BSC Agents to be defined in a Data Catalogue. The ECVAA Notification Report is therefore defined in the NDFC. It should be noted that, for interfaces with Logica CSA the information contained with the NETA Data File Catalogue is derived directly from the IDD.

<b>File Ref.</b>	<b>File Name</b>	<b>From</b>	<b>To</b>
E0141	ECVAA-I014: Notification Report	ECVAA	BSC Party
		ECVAA	ECVNA
		ECVAA	MVRNA

**File Reference:** **E0141**

**File Name:** **ECVAA-I014: Notification Report**

**File Description:** The ECVAA Service shall issue Notification Reports to BSC Parties, ECVNAs and MVRNAs once a day. At the end of each Settlement Date, the ECVAA shall report notifications which apply to that Settlement Date to all relevant parties. For the avoidance of doubt this is not notifications received on the relevant Settlement Date.

The ECVAA Service shall issue revised Notification Reports to the BSC Parties, ECVNAs and MVRNAs as a result of disputes. A revised report shall only be sent to parties affected by the dispute.

**File Ownership:** Logica

**NetworkOwner:** Logica

<b>From</b>	<b>To</b>	<b>Version</b>
ECVAA	BSC Party	1.0
ECVAA	ECVNA	1.0
ECVAA	MVRNA	1.0

**Data Items:** *(New items in italics)*

<b>Reference</b>	<b>Item Name</b>
N0454	Account Cumulative CA Credited Energy Volume
N0455	Account Cumulative Energy Contract Volume
N0452	Account Period CA Credited Energy Volume
N0453	Account Period Energy Contract Volume
N0447	Actual Energy Indebtedness
N0331	Aggregated Energy Contract Volume
N0034	BM Unit Id
N0045	BSC Party Id
N0046	BSC Party Name
N0061	Credit Assessment Credited Energy Volume
N0332	Credit Cover Percentage
N0196	Credit Limit
N0448	Cumulative CA Energy Indebtedness
N0068	ECV Party 1 Id
N0069	ECV Party 1 Name
N0070	ECV Party 1 P/C Flag
N0072	ECV Party 2 Id
N0073	ECV Party 2 Name
N0074	ECV Party 2 P/C Flag
N0076	ECVAA Run Number
N0310	ECVN ECVNAA Id
N0077	ECVN Reference Code
N0078	ECVNA Id
N0080	ECVNAA Id
N0085	Energy Contract Volume
N0451	Energy Indebtedness
N0449	From Settlement Date
N0127	Lead Party Id
N0128	Lead Party Name
N0129	Lead Party Production/Consumption Flag

File Reference: **E0141 cntd.**

Reference ...	Item Name ...
N0140	Metered Volume Fixed Reallocation
N0141	Metered Volume Percentage Reallocation
N0311	MVRN MVRNAA Id
N0144	MVRN Reference Code
N0145	MVRNA Id
N0147	MVRNAA Id
N0177	Production/Consumption Flag
N0200	Settlement Date
N0201	Settlement Period
N0208	Subsidiary Party Id
N0210	Subsidiary Party Name
N0209	Subsidiary Party Production/Consumption Flag
N0450	To Settlement Date

Flow Structure:

Group	Group Description	Range	Condition	L1	L2	L3	L4	L5	L6	L7	L8	Item Name
NOH	Notification Header	1	G									
					1							Settlement Date
					1							ECVAA Run Number
DSI	Day Start Indebtedness Data	0-1	G									
					1							Actual Energy Indebtedness
					1							Cumulative CA Energy Indebtedness
AED	Actual Energy Indebtedness	0-*			G							
						1						From Settlement Date
						1						To Settlement Date
SP8	Settlement Period Data	1-50			G							
						1						Settlement Period
ECN	ECVN Data	0-*			G							
						1						ECVN ECVNAA Id
						1						ECVN Reference Code
						1						Energy Contract Volume
						1						ECVNA Id
						1						ECVNAA Id
						1						ECV Party 1 Id
						1						ECV Party 1 Name
						1						ECV Party 1 P/C Flag
						1						ECV Party 2 Id
						1						ECV Party 2 Name
						1						ECV Party 2 P/C Flag
MV9	MVRN Data	0-*			G							
						1						MVRN MVRNAA Id
						1						MVRN Reference Code
						1						Metered Volume Fixed Reallocation
						1						Metered Volume Percentage Reallocation
						1						MVRNA Id
						1						MVRNAA Id
						1						BM Unit Id
						1						Lead Party Id
						1						Lead Party Name
						1						Lead Party Production/Consumption Flag
						1						Subsidiary Party Id
						1						Subsidiary Party Name

File Reference: **E0141 cntd.**

Group	Group Description ...	Range	Condition..	1.	2.	3.	4.	5.	6.	7.	8.	Item Name...
								1				Subsidiary Party
												Production/Consumption Flag
IDD	Indebtedness Data	0-1						G				Credit Assessment Credited Energy Volume
									1			Aggregated Energy Contract Volume
										1		Cumulative CA Energy Indebtedness
											1	Energy Indebtedness
											1	Credit Cover Percentage
											1	Credit Limit
ACE	Account Energy Data	0-*						G				Production/Consumption Flag
											1	Account Period CA Credited Energy Volume
											1	Account Period Energy Contract Volume
											1	Account Cumulative CA Credited Energy Volume
											1	Account Cumulative Energy Contract Volume
CL9	Credit Limit Warning Data	0-*						G				BSC Party Id
											1	BSC Party Name

Notes:

Version History:

Catalogue release change takes effect	Mod/CP No.	Brief description of the change and its reason
Version 8.0	CP858	Inclusion of Energy Indebtedness data within the ECVAA-I014 Report
Version 8.0	CP869	Inclusion of Credit Assessment QCE in ECVAA-I014 for a Parties Production and Consumption Account

The Data Items in each report are also defined in the NDFC, the Credit Assessment Credit Volume is included here as an example.

**Item name: Credit Assessment Credited Energy Volume**

**Item reference:** N0061

**Item ownership:** Logica

**Item description:**

**Units:** None

**Valid Set:**

**Validation:** Within Format

**Domain:** Real

**Logical Format:** ± NUM(10,3)

**Physical Length:** 12

**Notes:**

## Logica Interface Definition and Design Part 1

The IDD contains the definition and design of all interfaces between BSC Agent services currently provided by Logica CSA and other systems. It includes the specification of file formats and structure of electronic files. Part 1 only contains details for interfaces which involve BSC Parties and their Party Agents. The IDD is published in both document and spreadsheet form.

### 7.11 ECVAA-I014: (output) Notification Report

Interface ID: ECVAA-I014	User: MVRNA, ECVNA, BSC Party	Title: Notification Report	ITT reference: ECVAA IRR: E3, E4 CR 12, CP527, CP858, CP869
Mechanism: Electronic Data File Transfer	Frequency: Daily and in support of disputes	Volumes: Medium	
<b>Interface Requirement:</b>			
<p>The ECVAA Service shall issue Notification Reports to BSC Parties, ECVNAs and MVRNAs once a day. At the end of each Settlement Date, the ECVAA shall report notifications which apply to that Settlement Date to all relevant parties. For the avoidance of doubt this is <b>not</b> notifications received on the relevant Settlement Date.</p> <p>The ECVAA Service shall issue revised Notification Reports to the BSC Parties, ECVNAs and MVRNAs as a result of disputes. A revised report shall only be sent to parties affected by the dispute.</p> <p>The Notification Report shall comprise:</p> <p><u>Notification Data:</u>  Settlement Date  ECVAA Run Number  <u>Day Start Energy Indebtedness Data (to BSC Party Only):</u>  Actual Energy Indebtedness (MWh) (<math>\sum_{d28} AEI_{pd}</math>)  Cumulative Credit Assessment Energy Indebtedness (MWh) (<math>CCEI_{pd}</math>)  <u>Actual Energy Indebtedness Dates (identifies which date range(s) have AEI data)</u>  From Settlement Date  To Settlement Date</p> <p><u>Settlement Period Data</u>  Settlement Period (1-50)</p> <p><u>ECVN Data</u>  ECVN ECVNAA ID  ECVN Reference Code  Energy Contract Volume (MWh)  ECVNA ID  ECVNAA ID  BSC Party 1 ID  BSC Party 1 Name  BSC Party 1 Energy Account Production/Consumption flag  BSC Party 2 ID  BSC Party 2 Name  BSC Party 2 Energy Account Production/Consumption flag</p> <p><u>MVRN Data</u>  MVRN MVRNAA ID  MVRN Reference Code  Metered Volume Fixed Reallocation (MWh)  Metered Volume Percentage Reallocation (%)  MVRNA ID  MVRNAA ID  BM Unit ID  Lead Party ID  Lead Party Name</p>			

Lead Party Energy Account Production/Consumption flag  
 Subsidiary Party ID  
 Subsidiary Party Name  
 Subsidiary Party Energy Account Production/Consumption flag

**Indebtedness Data (to BSC Party Only)**

Credit Assessment Credited Energy Volume (CAQCE<sub>pj</sub>)  
 Aggregated Energy Contract Volume (QABC<sub>pj</sub>)  
 Cumulative Credit Assessment Energy Indebtedness\* (MWh) (CCEI<sub>pj</sub>)  
 Energy Indebtedness\* (MWh) (EI<sub>pj</sub>)  
 Credit Cover Percentage (%)  
 Credit Limit

**Account Energy Data (to BSC Party Only)**

Energy Account Production/Consumption flag  
 Account Period CA Credited Energy Volume (MWh) (CAQCE<sub>aj</sub>)  
 Account Period Energy Contract Volume (MWh) (QABC<sub>aj</sub>)  
 Account Cumulative CA Credited Energy Volume\* (MWh) (CCAQCE<sub>aj</sub>)  
 Account Cumulative Energy Contract Volume\* (MWh) (CQABC<sub>aj</sub>)

**Credit Limit Warning Data**

BSC Party Id  
 BSC Party Name

**Notes:**

1. The "Day Start Indebtedness Data" group will contain cumulative figures for the 28 days up to (but not including) period 1 of the reported Settlement Day as follows:
  - a. the sum of available Actual Energy Indebtedness;
  - b. the sum of Credit Assessment Energy Indebtedness for Settlement Days where Actual Energy ind ebtedness is not available.
2. Data items are marked with a "\*" to indicate that they are a "cumulative" figure. That is, the value is aggregated over the 29 days up to and including the reported settlement period.

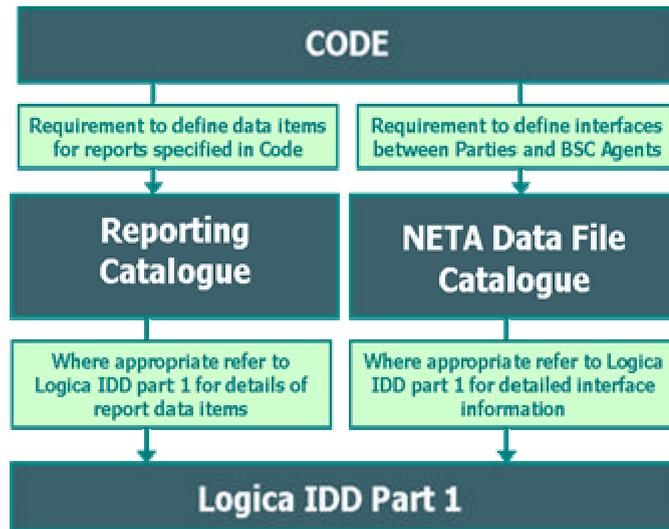
Id	type	flow version / range	L1	L2	L3	L4	L5	L6	L7	data type	Valid Set	item name/group description
E0141	F	001										ECVAA-1014: Notification Report
NOH	R		1	G								Notification Header
N0200	D				1					date		Settlement Date
N0076	D				1					integer(3)		ECVAA Run Number
SP8	R	1-50		G								Settlement Period Data
N0201	D				1					integer(2)		Settlement Period
ECN	R	0-*			G							ECVN Data
N0310	D					1				text(10)		ECVN ECVNAA Id
N0077	D				1					text(10)		ECVN Reference Code
N0085	D				1					decimal(10,3)		Energy Contract Volume
N0078	D				1					text(8)		ECVNA Id
N0080	D				1					text(10)		ECVNAA Id
N0068	D				1					text(8)		ECV Party 1 Id
N0069	D				1					text(30)		ECV Party 1 Name
N0070	D				1					char	P/C Flag	ECV Party 1 P/C Flag
N0072	D				1					text(8)		ECV Party 2 Id
N0073	D				1					text(30)		ECV Party 2 Name
N0074	D				1					char	P/C Flag	ECV Party 2 P/C Flag
MV9	R	0-*			G							MVRN Data
N0311	D				1					text(10)		MVRN MVRNAA Id
N0144	D				1					text(10)		MVRN Reference Code
N0140	D				1					decimal(10,3)		Metersed Volume Fixed Reallocation
N0141	D				1					decimal(8,5)		Metersed Volume Percentage Reallocation
N0145	D				1					text(8)		MVRNA Id
N0147	D				1					text(10)		MVRNAA Id
N0034	D				1					text(11)		BM Unit Id
N0127	D				1					text(8)		Lead Party Id
N0128	D				1					text(30)		Lead Party Name
N0129	D				1					char	P/C Flag	Lead Party Production/Consumption Flag
N0206	D				1					text(8)		Subsidiary Party Id
N0210	D				1					text(30)		Subsidiary Party Name
N0209	D				1					char	P/C Flag	Subsidiary Party Production/Consumption Flag
IDD	R	0-1			G							Indebtedness Data
N0061	D				1					decimal(10,3)		Credited Energy Volume
N0331	D				1					decimal(10,3)		Aggregated Energy Contract Volume
N0332	D				1					decimal(8,5)		Credit Cover Percentage
N0196	D				1					decimal(13,3)		Credit Limit
CL9	R	0-*			G							Credit Limit Warning Data
N0045	D				1					text(8)		BSC Party Id
N0046	D				1					text(30)		BSC Party Name

The Data Items in each report are also defined in the IDD.

## 2. Proposed Structure

The Code requirements for documenting interfaces between Parties and central systems would be unchanged.

The NDFC would continue to contain all files for communication between BSC Agents and Parties (or their Party Agents) defined as a consequence of NETA by any of the central service providers other than the SVAA. SVAA interfaces (which are specified in the SVA Data Catalogue) and communications between central service providers would remain outside the scope of the NDFC.



Information within the NDFC that is available in the Logica IDD Part 1 would be removed and replaced with an appropriate cross reference. For those communications which are not within the scope of the Logica IDD Part 1 no changes would be made (i.e. detailed flow information would remain).

The Reporting Catalogue would be retained as a stand alone document. However information within the Reporting Catalogue available in the Logica IDD Part 1 would be removed and replaced with an appropriate cross reference. For those reports not within the scope of the Logica IDD Part 1 no changes would be made (i.e. the lists of data items would remain). The addition of flow references would provide a complete link between Code reporting obligations and defined flows and data items.

Proposed changes to the interface document structure are now illustrated via reference to the ECVAAs Notification Report.

### **Code Requirement:**

No changes will be made to the Code requirements.

### **Reporting Catalogue:**

In accordance with Section V1.4 of the Code the Reporting Catalogue would continue to contain details of the ECVAAs Notification Report. However, the list of data items currently contained in the Reporting Catalogue would be removed and this detail would be provided via an incorporative cross reference to the relevant flow definition within the Logica IDD Part 1 as follows:

#### **4.1 Notification Report to BSC Parties, ECVNAs & MVRNAs**

For each Contract Trading Party, a summary relating to that Contract Trading Party of Energy Contract Volumes and Metered Volume Reallocations in respect of accepted notifications for the given Settlement Day and indebtedness data once these notifications are taken into account. This report and the data

items contained therein are defined in the Logica IDD Part 1 (Reference ECVAA-I014).

**NETA Data File Catalogue:**

The requirements within Section O of the Code for interfaces between Parties and BSC Agents to be defined in a Data Catalogue would be unchanged. Therefore, the ECVAA Notification Report would continue to be referenced in the NDFC, however duplication of the detailed flow information would be removed and replaced with an incorporative cross reference to the IDD.

<b>File Ref.</b>	<b>File Name</b>	<b>From</b>	<b>To</b>	<b>Defined in</b>
E0141	ECVAA-I014: Notification Report	ECVAA	BSC Party ECVNA MVRNA	Logica IDD Part 1 (ECVAA-I014)

**Logica Interface Definition and Design (IDD) Part 1**

No changes would be required to the definition of interfaces within the Logica IDD Part 1. However, as a consequence of the inclusion of incorporative cross references in the NDFC and the Reporting Catalogue, relevant sections of the IDD would effectively become part of the NDFC/Reporting Catalogue (NB: only the particular sections of the IDD that are directly referred to would gain this status i.e. the detailed flow information). As a result of being included in a Code Subsidiary Document, the relevant sections of the IDD would be required to comply with section 3.1 of the Code, which sets out change management procedures for Code Subsidiary documents. The impact of this is minimal as the IDD is currently a configurable item and subject to the same change management procedure as a Code Subsidiary Document.