



SVA Data Catalogue Volume 1

Abstract This document defines the data interfaces required by Supplier Volume Allocation under the BSC.
All of the interfaces are cross-referenced to the relevant Programme documents (Technical Specifications, BSC Procedures, Service Lines and BSC Service Lines) where the data flow and its usage were originally defined.

Document Reference Data Interfaces Used in the SVA Trading Arrangements

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iv Change History

- Issue 1.0 First formal issue for NETA. This document is the ELEXON Data Interfaces document v5.0 plus all changes delivered by the Implementation of NETA within Stage 2 Project and has been re-badged for NETA.
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v Changes Forecast

Future versions of this document will be issued in response to changes raised through the change control procedures.

vi Related Documents

- Reference 1 SVA Data Catalogue Volume 2: Data Items
- Reference 2 CVA Data Catalogue
- Reference 3 BSC Reporting Catalogue
- Reference 4 BSC Communication Requirements Document
- Reference 5 MRA Data Transfer Catalogue
- Reference 6 NHH Instruction Processing Specification
- Reference 7 HH Instruction Processing Specification
- Reference 8 Multiple BM Unit Instruction Processing Specification;

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1. INTRODUCTION

1.1. Purpose

This document defines the interfaces required by the ELEXON-delivered or certified applications and BSC Procedures, for communications between SVA data parties. It forms part of the "SVA Data Catalogue" as defined in Section O of the BSC.

All of the interfaces are cross-referenced to the relevant Programme documents (Technical Specifications, BSC Procedures and Service Lines) where the data flow and its usage were originally defined.

This is one of a set of five closely related Code Subsidiary Documents, the others being:

- SVA Data Catalogue Volume 2 (reference 1). Defines the data items included within the Data Interfaces specified in this document;
- CVA Data Catalogue (reference 2). Defines the data interfaces between BSC Agents and BSC Parties and Party Agents for all communications, other than SVA Communications, as set out in the BSC Section O;
- The BSC Reporting Catalogue (reference 3). Catalogues and provides further information on the contents of reports issued by the BSC Agents as defined in Section X Annex X-1 of the BSC;
- The BSC Communication Requirements Document (reference 4). Contains detailed requirements for sending and receiving communications between Parties and BSC Agents using one or more Communications Media.

This document is also closely related to the MRA Data Transfer Catalogue (reference 5), which details the definitions of all data flows and data items used over the Data Transfer Network.

1.2. Objective

It is the objective of this Data Interface definition to achieve benefits of efficiency and quality for users and application systems within Supplier Volume Allocation under the BSC. This requires that:

- data interface definitions are definitive, common, complete and consistent within the constraints of current scope;
- the Data Interface definition is available electronically to all users and is centrally managed.

1.3. Summary

Following this introductory section, section 2 of this document describes the conventions used in defining the physical files used to implement the SVA data interface requirements. Then section 3 provides a summary of instruction processing logic. The data interfaces within the scope of the document (see section 1.4) are then specified within the document appendices:

- Appendix A provides an index of data interfaces in ascending sequence of flow reference, along with the flow name, 'from' and 'to' participant, and source document.
- Appendix B provides a full definition of data interfaces identified in Appendix A in ascending alphabetic sequence of data flow name.

1.4. Scope

The scope of the interfaces defined in this document are those enabling the flow of data required for Supplier Volume Allocation as defined in paragraph 1.4 of Section O of the Balancing and Settlement Code.

It does not cover those interfaces:

- with external entities in the form of hard copy reports;
- which are manual inputs to systems - these (user interfaces) are specified in the relevant system specifications; or
- consisting of data items not required under the BSC.

Where a data interface is used by Settlement but defined within the Data Transfer Catalogue, this document will note the interface in Appendix A but will refer to the DTC for the full details of the definition.

1.5. Responsibilities

It is the responsibility of all SVA data parties to adopt the Data Interfaces. This will require the following:

- incorporating the Data Interfaces within their own area of responsibility. For example, this may occur during initial compliance or following authorised updates to the Data Interfaces;
- raising change requests to update the Data Interfaces. For example, changes to existing definitions or the addition of new data items as identified in their own area of responsibility.

It is the responsibility of the Data Interfaces owner to manage the Data Interfaces. This includes the following activities, which may be delegated:

- provide SVA data parties with shared access;
- make updates authorised by the change control procedure;
- fulfil the role of a Data Manager with responsibility for monitoring the use of standards, arbitration, general housekeeping, etc.

The current owner of the Data Interfaces is the ELEXON Design Authority.

2. APPROACH USED IN DATA INTERFACE DEFINITION

2.1. Introduction

Interface Definitions contained within this document are presented at Appendix B. This is preceded by general index of all interfaces required by Settlement, listed by Flow Number, Flow Name, From, To and Source Document, at Appendix A.

Each interface derives from a required flow of data specified in one or more of the BSC Procedures and/or one or more of the Technical Specifications for the ELEXON-developed applications. Interfaces are physically implemented as structured files comprising a number of records, each of which comprise one or more fields. The non-physical definition of the interface is termed a data flow. Data flows are comprised of data groups that are, themselves, comprised of data items.

2.2. Interface Definition

Each data flow in the catalogue is given a unique data flow name and a unique data flow reference. Data flow references are of the form Paaaa or Dnnnn¹.

Each data flow is further defined as having

- a version number²,
- details of the documents providing the source of the interface definition,
- data flow initiators and recipients,
- details of data requirements from BSCPs,
- a physical file specification

The following sections explain how to use and interpret the definitions.

2.3. Sources of Interface Definitions

The interface definitions are derived from BSC Procedures and the Technical Specifications for the ELEXON-developed applications. Each definition lists the relevant source documents together with each source's internal reference(s) for the interface and any variation in the name by which a data flow is known within that source document.

2.4. Data Flow Initiators and Recipients

Each interface definition includes the party initiating (from) and receiving (to) the communication for each occurrence of that interface specified in the source documents.

2.5. BSC Procedures Data Requirement

This section documents the required content of the data flow as defined in one or more of the BSC Procedures used in operating the Supplier Volume Allocation aspects of the BSC.

Where the BSC Procedures specify the structure of a data flow this is documented in terms of:

- the data groups which it comprises;

¹ Where aaaa represents any four printable characters but is generally of the form nnnn, and where nnnn represents any four integers. The code is prefixed by a "D" when the data flow is included in the Data Transfer Catalogue (DTC, reference 5) or "P" when it is a Pool owned flow not in the DTC and so defined in the SVA Data Catalogue.

² Flow version numbers are of the form 001, 002, 003 etc.

- the data item name - the data items contained in each data group;
- comments relating to the data items.

Where no structure is specified this is noted and a simple list of the data items is given. The data items named are defined in Volume 2 - Data Items (reference 1).

Note that, although it may not always be documented in the BSC procedures, each data flow includes:

- who initiated the data flow;
- who was the intended recipient;
- the time and date the data flow was produced, and/or, the period over which the data is applicable.

Participants are required to populate ALL data items and groups where the data is available and the business reason for sending the flow indicates that the data is relevant to the recipient if it is provided.

2.6. Physical File Specification

This section is included when the data flow is included in a Technical Specification. It documents the actual content and structure of the data flow as defined in one or more of the Technical Specifications for the ELEXON-developed applications. It consists of:

- Record: The identifier and description of a data group where the Technical Specification specifies a data structure (this is generally the case);
- Field Name: The name of a data item as specified within the Technical Specification;
- Comment: Clarification of the use and/ or content of the Field Name;
- Value: Included where the field content is restricted to a specific value or two or more specific alternative values;
- Optionality Indicator: This column is denoted with a 'Yes' where the field is optional within the Group.

2.6.1 General File Principles

All interface files utilise a common structure. These files comprise a number of records, each starting with a three character identifier³ (identifying the record type) and terminating with a line feed character.

The first record of the file will be a header and the last record a footer (each having a specific record type).

The fields contained in each record will depend on the record type, but each record of the same type (in a given file type) will always contain the same set of fields. Each field (including record type) is separated from the next by a separator character.

If a field is optional and not present then no character will be included between the separators or, in the case of the last field, between the last separator and line feed character.

Refer to sections [09](#) and [09](#) below for a description of the Field Types and File Structures used, and [09](#) for a definition of the additional data contained within Instruction Files.

³ the general case is three characters, although there is at least one case where the record type is only two characters.

2.6.2 Field Types

All fields that make up the records are written as ASCII data (see 2.6.5 for the defined character set). To determine the format of each field, refer to the logical format attribute of the associated data item in the Data Catalogue Volume 2 (reference 1) and the table below.

Logical Format	Data Type	Format	Example
INT	Integer	ASCII representation, no leading zeros or spaces, leading "-" if negative (no sign if positive)	-1234 12
NUM	Decimal	As for Integer, but with a decimal point and fixed number of decimal digits (including trailing zeros) dependent on precision	-12.34 1.20
CHAR	Text	Left aligned with trailing spaces stripped. Only includes printable characters excluding the separator	The quick fox
DATE	Date	ASCII format as: YYYYMMDD	19961216
TIME	Time	ASCII format as: HHMMSS (24 hour format). Note: both GMT and local time will be used and will be indicated as necessary.	131501
DATETIME	Date/Time	ASCII format as: YYYYMMDDHHMMSS	19961216131501
BOOLEAN	Boolean	One ASCII character: T for True, F for False (uppercase only)	T F
TIMESTAMP	Timestamp		
BITS			

2.6.3 File Structure

All files sent or received by ELEXON-developed systems are structured files. This structure is as follows:

- Header - first record in file - record type = "ZHD"
- Body - other file records
- Footer - last record in file - record type = "ZPT"

Furthermore, the first record of the file "Body" contains header information dependent on whether the file is a data file or an instruction file. The record types for these records are "ZPD" and "ZPI" respectively. Note that the ZPD record is present for all data flows to and from the EAC/AA system regardless of whether they contain data or not. For data flows to and from SVAA and NHHDA the ZPD record is only present when there is actual data present within the record. The market domain data files will always contain a ZPD record.

The components of these four record types are defined in the following tables:

File Header Record: Standard Pool Format

ZHD - File Header			
Field	Field Name	Type	Comments
1	Record Type	text(3)	= ZHD
2	File Type	text(8)	5 character flow reference plus 3 character version number
3	From Role Code	text(1)	
4	From Participant Id	text(4)	
5	To Role Code	text(1)	
6	To Participant Id	text(4)	Null if broadcast
7	Creation Time	date/time	Time file processing was started. Specified in GMT.

File Header Record: Pool Transfer Format

ZHD - File Header			
Field	Field Name	Type	Comments
1	Record Type	text(3)	= ZHD
2	File Identifier	Text(10)	File identifier - unique within Market Participant
3	File Type	text(8)	5 character type (ranges allocated for DTS, pool or internal use) plus 3 character version
4	From Role Code	text(1)	
5	From Participant Id	text(4)	
6	To Role Code	text(1)	
7	To Participant Id	text(4)	Null if broadcast
8	Creation Time	date/time	Time file processing was started. Specified in GMT.
9	Sending Application Id	Text (5)	Application identifier. For possible future use
10	Receiving Application Id	Text (5)	Application identifier. For possible future use
11	Broadcast	Text (1)	For possible future use.
12	Test data flag	Text (4)	Indicates that this file contains test data.

The additional data in the "Pool Transfer Format" Header Record is as follows:-

Field 2: File Identifier. A 10 character identifier unique within each Gateway. This identifier will be incremented for each physical file presented to the Gateway and will continuously clock-up over time. It will be used by the sender for tracking purposes across the network.

Field 9: Sending Application Id. Used to indicate the sending application system. This field is included for possible future use and (for market start-up) will initially be null.

Field 10: Receiving Application Id. Used to indicate the target application system. This field is included for possible future use and (for market start-up) will initially be null.

Field 11: Broadcast. Reserved for possible future use. Initially (for market start-up), will be null

Field 12: Test Data Flag. A text field containing the following valid set:

- OPER indicates operational data
- TR01 indicates Trialling scenario 1
- TR02 indicates Trialling scenario 2
- TR03 indicates Trialling scenario 3
- TR04 indicates Trialling scenario 4
- TR05 indicates Trialling scenario 5
- TR06 indicates Trialling scenario 6
- TE01 indicates Test 1 data
- TE02 indicates Test 2 data
- TE03 indicates Test 3 data

A null entry prior to live operations should be treated as TR01 (null entry means that there is no data in a field between 2 delimiters);

After the start of live operations then a null or incorrect entry will cause the message to be rejected.

For incoming flows, the flag will be used to assist in the correct routing of information to particular systems.

For outbound flows, the value should be set by the system administrator, which indicates the status of the file or message.

ZPT - File Footer			
Field	Field Name	Type	Comments
1	Record Type	text(3)	= ZPT
2	Record count	integer(10)	Includes header and footer
3	Checksum	integer(10)	Although type is shown as integer(10) the value is actually a 32-bit unsigned value and hence will fit in an "unsigned long" C variable.

ZPD - Data File Additional Header			
Field	Field Name	Type	Comments
1	Record Type	text(3)	= ZPD

2	Settlement Date	date	Optional
3	Settlement Code	text(2)	Optional
4	Run Type Code	text(2)	Optional
5	Run Number	integer(7)	Optional
6	GSP Group	text(2)	Optional

ZPI - Instruction File Additional Header			
Field	Field Name	Type	Comments
1	Record Type	text(3)	= ZPI
2	File Sequence Number	integer(6)	

2.6.4 Instruction files

As well as the header and footer records described in the previous section, instruction files contain a number of records for each instruction. The first record for each instruction has a record type of 'ZIN'. This record has the following components:

ZIN - Instruction Header			
Field	Field Name	Type	Comments
1	Record Type	text(3)	= ZIN
2	Instruction Number	integer(12)	
3	Type Code	text(4)	
4	Metering System Id	integer(13)	Optional
5	Market Role	text(1)	Optional
6	Participant Id	text(4)	Optional

2.6.5 Character set

The character set used is based on the ISO Level B character set and includes the following characters:

Letters, upper case	A to Z
Letters, lower case	a to z
Numerals	0 to 9
Space character	
Full stop	.
Comma	,
Hyphen/minus	-
Opening parenthesis	(
Closing parenthesis)
Slash	/
Apostrophe	'
Plus	+
Colon	:
Equals	=

Question mark	?
Exclamation mark	!
Quotation mark	"
Percentage sign	%
Ampersand	&
Asterisk	*
Semi-colon	;
Less than	<
Greater than	>
Underscore	_

Separator: The vertical bar character '|' is used as the separator.

Delimiter: The Carriage Return is used as the delimiter.

2.6.6 Backus-Naur Form (BNF)

This documents the physical structure of the records within the data flow. This section is included when the data flow is included in a Technical Specification or when its physical structure has otherwise been defined. The record structure is expressed in Backus-Naur form (BNF).

The BNF used is a modified form of the standard BNF. A flow structure is defined as follows:

Data Flow Name ::= Flow Structure

The flow structure is further defined using a notation to show single occurrences, iteration, optionality and selection of data groups within the structure:

- An obligatory, single occurrence of a data group is shown by naming the group. This implies that there is always just one occurrence of the data group
- Iteration is shown by enclosing the iterated structure in braces {}, which implies that the data group can occur 0, 1 or many times.
- Optionality is shown by enclosing the optional structure in square brackets []. This implies that a occurrence of the data group may or may not occur.
- Selection is shown by enclosing the set of alternative structures in parenthesis () and separating each alternative with a vertical line |. This implies that one, and only one, of the alternatives will occur.

In order to improve the readability of the BNF definitions the Flow Structure is occasionally further broken out into substructures. These substructures follow the same notation as described above. As a rule of thumb, substructures are used where the level of iterative nesting exceeds two layers, for example:

Data Flow Name ::= { ABC { DEF { GHJ } } }

may be shown as:

Data Flow Name ::= { ABC { DEF_set } }

DEF_set ::= DEF { GHJ }

3. INSTRUCTION PROCESSING SPECIFICATION

3.1. NHH Instruction Processing

The full details of the specification of non half hourly instruction processing is found at reference 6. The following text and associated diagram give an overview of non half hourly instruction processing.

3.1.1. Instruction File Processing

[Figure 1 NHH Instruction Processing](#) shows the interactions between the NHHDA and SMRS or the NHHDC for the sequence that is followed when the NHHDA processes instruction files, and the instructions contained in them, received from either source.

The NHHDA shall determine the cause of file failures in conjunction with the source. Failures due to the NHHDA shall be resolved by the NHHDA. Where the instruction file validation failure is due to transmission, the NHHDA shall request a resend. Where it is due to the source, the NHHDA shall request a refresh file.

3.1.2. Reporting of Failed Instructions

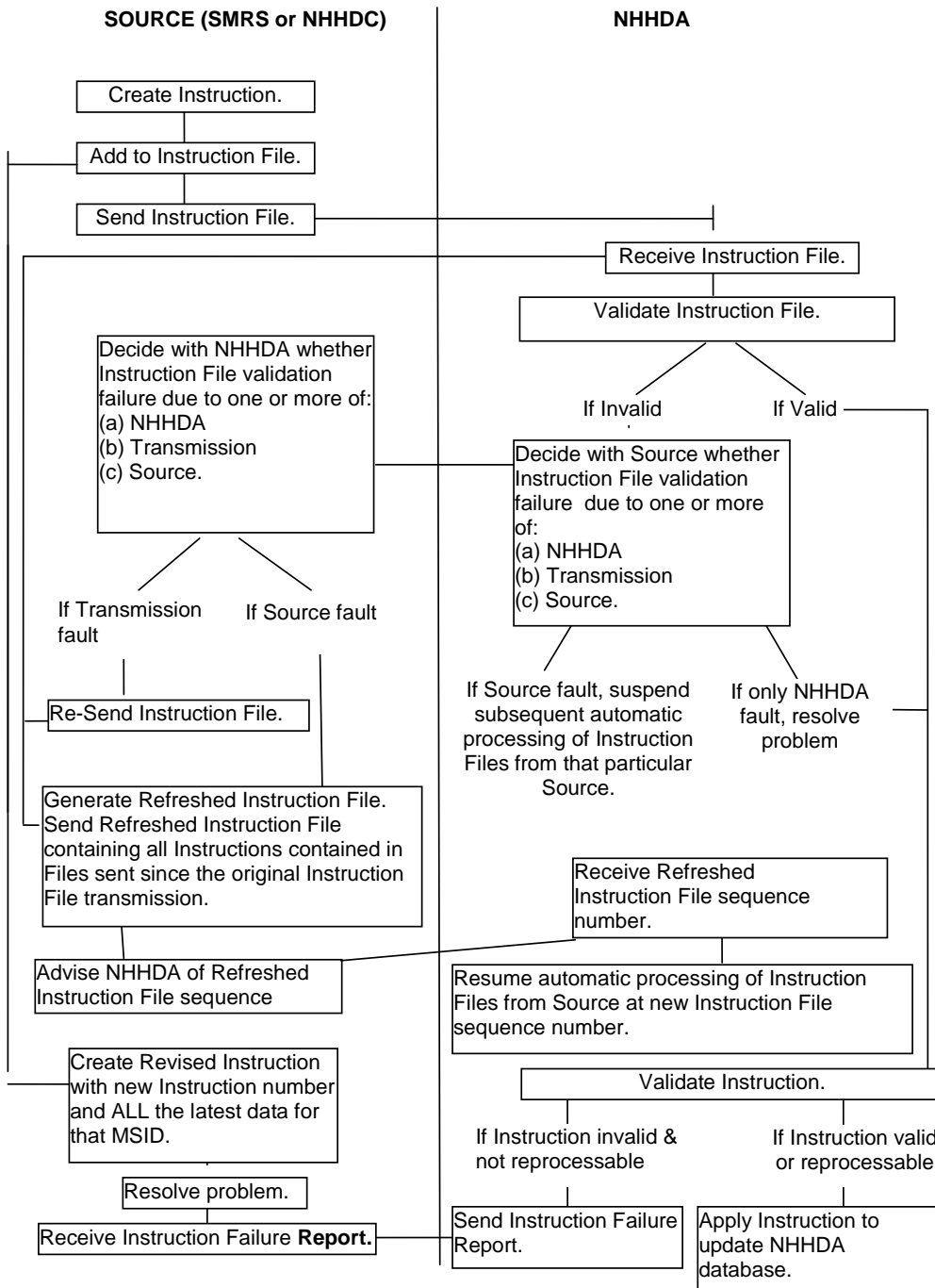
Where one or more instructions have failed, the NHHDA shall compile and send a file of the failed instructions with reasons for failure to the source and request a refresh.

3.1.3. Problem Log

The NHHDA shall set up, utilise and maintain a problem log for the management of failed and discarded instructions. The log shall hold the information about the latest instructions that are in a failed or discarded state.

The NHHDA shall record in the problem log the reasons for failure of failed instructions, the date and time of the latest processing attempt, mark the instructions to be resolved by the NHHDA and those that have been resolved by the NHHDA. The NHHDA shall, for each resolved instruction failure, record the corrective action taken in the problem log.

Figure 1 NHH Instruction Processing



3.2. HH Instruction Processing

The full details of the specification of half hourly instruction processing is found at reference 7.

3.3. Multiple BM Unit Instruction Processing

The full details of the specification of Multiple BM Unit instruction processing is found at reference 8.

SVA Data Catalogue Volume 1: Data Interfaces

APPENDIX A - Data Interface Index

SVA Data Catalogue Volume 1: Data Interfaces Appendix A

Flow Ref.	Data Flow Name	Source	From	To	Version
D0001	Request Metering System Investigation	BSCP502	HHDC	Supplier	001
			LDSO	HHDC	001
			Supplier	HHDC	001
		BSCP504	HHDC	HHMO	001
			Supplier	NHHDC	001
			Supplier	NHHMO	001
		BSCP514	HHDC	HHMO	001
			NHHDC	NHHMO	001
			Supplier	HHMO	001
			Supplier	HHMO	001
D0002	Fault Resolution Report or Request for Decision on Further Action	BSCP502	HHDC	Supplier	001
			HHMO	HHDC	001
			HHDC	LDSO	001
		BSCP504	NHHMO	NHHDC	001
			RPS	NHHDC	001
			Supplier	NHHDC	001
		BSCP514	NHHMO	HHMO	001
			LDSO	NHHMO	001
			NHHMO	Supplier	001
			HHMO	HHDC	001
			HHMO	Supplier	001
			NHHMO	NHHDC	001
			HHMO	NHHMO	001
			LDSO	HHMO	001
			D0003	Half Hourly Advances	BSCP502 BSCP514
HHDC	HHMO	001			
D0004	Notification of Failure to Obtain Reading	BSCP504	NHHDC	Supplier	001
D0005	Instruction on Action	BSCP502	LDSO	HHDC	001
			Supplier	HHDC	001
			HHMO	HHDC	001
		BSCP504	HHDC	NHHMO	001
			Supplier	NHHDC	001
		BSCP514	HHDC	NHHMO	001
			HHMO	HHDC	001
			Supplier	HHDC	001

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Flow Ref.	Data Flow Name	Source	From	To	Version
D0005	Instruction on Action	BSCP514	Supplier Supplier	HHMO NHHMO	001 001
D0008	Meter Advance Reconciliation Report	BSCP502	HHDC HHDC HHDC	HHMO LDSO Supplier	001 001 001
D0010	Meter Readings	BSCP502	NHHMO HHMO HHMO HHMO HHDC	HHDC Supplier LDSO HHDC HHDC	002 002 002 002 002
		BSCP504	RPS Supplier NHHMO NHHDC NHHDC LDSO LDSO LDSO NHHDC Supplier	NHHDC NHHDC NHHDC LDSO NHHMO NHHDC Supplier	002 002 002 002 002 002 002 002 002
		BSCP514	HHMO NHHMO NHHMO LDSO LDSO HHMO HHMO HHMO HHMO	HHDC NHHDC HHMO NHHMO HHMO CDCA NHHMO	002 002 002 002 002 002 002 002
D0011	Agreement of Contractual Terms	BSCP504 BSCP514	NHHDC NHHMO HHMO	Supplier Supplier Supplier	001 001 001
D0012	Confirmation of the Inclusion of the Metering Point in the Reading Schedules	BSCP502	HHDC HHDC	LDSO Supplier	001 001
D0018	Daily Profile Data Report	BSCP504	SVAA	Supplier	001

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Flow Ref.	Data Flow Name	Source	From	To	Version
D0018	Daily Profile Data Report	BSCP508 SVAA Technical Specification	SVAA	Not Stated	001
			SVAA	Supplier	001
			SVAA	Supplier	001
D0019	Metering System EAC/AA Data	BSCP504 BSCP505 NHHDA Technical Specification	NHHDC	NHHDA	001
			NHHDC	Supplier	001
			NHHDC	NHHDA	001
D0022	Estimated Half Hourly Data	BSCP502	HHDC HHDC	Supplier LDSO	001 001
D0023	Failed Instructions	BSCP501 BSCP503 BSCP504 BSCP505 NHHDA Technical Specification	HHDA	SMRA	001
			NHHDA	SMRA	001
			HHDA	SMRA	001
			NHHDA	NHHDC	001
			NHHDA	NHHDC	001
			NHHDA	SMRA	001
			NHHDA	NHHDC	001
	NHHDA	SMRA	001		
D0028	Standing Profile Data Report	BSCP504 BSCP508 SVAA Technical Specification	SVAA	NHHDC	002
			SVAA	Supplier	002
			SVAA	NHHDC	002
			SVAA	Supplier	002
			SVAA	NHHDC	002
D0029	Standard Settlement Configuration Report	BSCP504 BSCP508 SVAA Technical Specification	SVAA	NHHDC	001
			SVAA	Supplier	001
			SVAA	NHHDC	001
			SVAA	Supplier	001
			SVAA	Supplier	001
D0030	Non Half Hourly DUoS Report	BSCP508	SVAA	LDSO	001

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Flow Ref.	Data Flow Name	Source	From	To	Version
D0030	Non Half Hourly DUoS Report	BSCP508 SVAA Technical Specification	SVAA	Supplier	001
			SVAA	LDSO	001
			SVAA	Supplier	001
D0036	Validated Half Hourly Advances for Inclusion in Aggregated Supplier Matrix	BSCP502	HHDC	HHDA	001
			HHDC	HHDC	001
			HHDC	LDSO	001
			HHDC	Supplier	001
			BSCP503	HHDC	HHDA
D0039	Daily Profile Coefficient File	BSCP504 BSCP508 EAC/AA Technical Specification SVAA Technical Specification	SVAA	NHHDC	001
			SVAA	NHHDC	001
			SVAA	NHHDC	001
			SVAA	NHHDC	001
D0040	Aggregated Half Hour Data File	BSCP503 BSCP508 SVAA Technical Specification	HHDA	Supplier	002
			HHDA	SVAA	002
			HHDA	SVAA	002
			HHDA	SVAA	002
D0041	Supplier Purchase Matrix Data	BSCP505 BSCP508 NHHDA Technical Specification SVAA Technical Specification	NHHDA	Supplier	001
			NHHDA	SVAA	001
			NHHDA	SVAA	001
			NHHDA	SVAA	001
			NHHDA	Supplier	001
D0043	Supplier Deemed Take Report	BSCP508 SVAA Technical Specification	SVAA	Supplier	001
			SVAA	Supplier	001
D0052	Affirmation of Metering System Settlement Details	BSCP504 BSCP520	Supplier	NHHDC	002
			UMSO	NHHDC	002
			UMSO	NHHDC	002

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Flow Ref.	Data Flow Name	Source	From	To	Version
D0052	Affirmation of Metering System Settlement Details	BSCP520	UMSO	Supplier	002
D0055	Registration of Supplier to Specified Metering Point	BSCP501	Supplier	SMRA	001
D0057	Rejection of Registration	BSCP501	SMRS	Supplier	001
D0058	Notification of Termination of Supply Registration	BSCP501	SMRS	Supplier	001
D0071	Customer Own Reading or Supplier Estimate Reading on Change of Supplier	BSCP504	Supplier	NHHDC	001
			Supplier	Supplier	001
D0072	Instruction to Obtain Change of Supplier Reading	BSCP504	Supplier	NHHDC	001
D0079	Supplier Purchase Report	BSCP508 SVAA Technical Specification	SVAA	Supplier	001
			SVAA	Supplier	001
D0081	Supplier Half Hourly Demand Report	BSCP508 SVAA Technical Specification	SVAA	Supplier	001
			SVAA	Supplier	001
D0082	Supplier - Supplier Purchase Matrix Report	BSCP508 SVAA Technical Specification	SVAA	Supplier	001
			SVAA	Supplier	001
D0086	Notification of Change of Supplier Readings	BSCP504	NHHDC	Supplier	001
			NHHDC NHHDC	LDSO NHHDC	001 001
D0095	Non Half Hourly Data Aggregation Exception Report	BSCP504 BSCP505 NHHDA NHHDA NHHDA NHHDA NHHDA Technical Specification	Supplier	NHHDC	001
			NHHDA	PAB	001
			NHHDA	Supplier	001
			NHHDA	BSC Panel	001
			NHHDA	Supplier	001

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Flow Ref.	Data Flow Name	Source	From	To	Version
D0132	Request for Disconnection of Supply	BSCP515	Supplier	LDSO	001
D0134	Request to Change Energisation Status	BSCP504	Supplier	NHHMO	002
		BSCP514	Supplier	HHMO	002
			Supplier	LDSO	002
			Supplier	NHHMO	002
D0135	Report Possible Safety Problem	BSCP502	HHDC	SFIC	001
		BSCP504	NHHDC	SFIC	001
D0136	Report to Supplier of Possible Irregularity	BSCP502	HHDC	Supplier	001
		BSCP504	NHHDC	Supplier	001
D0139	Confirmation or Rejection of Energisation Status Change	BSCP502	HHMO	HHDC	001
			HHMO	Supplier	001
			LDSO	MOA	001
			LDSO	Supplier	001
			MOA	HHDC	001
		BSCP504	LDSO	NHHDC	001
			NHHMO	NHHDC	001
		BSCP514	HHMO	HHDC	001
			NHHMO	Supplier	001
			NHHMO	NHHDC	001
			NHHMO	LDSO	001
			LDSO	Supplier	001
			LDSO	HHMO	001
			HHMO	LDSO	001
			HHMO	Supplier	001
D0142	Request for Installation or Change to a Metering System Functionality or the Removal of All Meters	BSCP504	Supplier	LDSO	001
			Supplier	NHHMO	001
		BSCP514	Supplier	HHMO	001
			Supplier	NHHMO	001
D0148	Notification of Change to Other Parties	BSCP502	Supplier	HHDC	001

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Flow Ref.	Data Flow Name	Source	From	To	Version
D0148	Notification of Change to Other Parties	BSCP502	Supplier	HHMO	001
			Supplier	Meter Administrator	001
		BSCP504	Supplier	NHHDC	001
			BSCP514	Supplier	HHDC
		BSCP520	Supplier	HHMO	001
			Supplier	NHHDC	001
			Supplier	NHHMO	001
			Supplier	LDSO	001
			Supplier	NHHDC	001
D0149	Notification of Mapping Details	BSCP504	NHHMO	Supplier	001
			NHHMO	LDSO	001
			NHHMO	NHHDC	001
		BSCP514	NHHMO	Supplier	001
			NHHMO	NHHMO	001
			NHHMO	NHHDC	001
			NHHMO	LDSO	001
			LDSO	NHHMO	001
			NHHMO	HHMO	001
D0150	Non Half Hourly Meter Technical Details	BSCP504	NHHMO	LDSO	001
			NHHMO	NHHDC	001
		BSCP514	NHHMO	Supplier	001
			LDSO	NHHMO	001
			NHHMO	Supplier	001
			NHHMO	NHHMO	001
			NHHMO	HHMO	001
			NHHMO	LDSO	001
			NHHMO	NHHDC	001
D0151	Termination of Appointment or Contract by Supplier	BSCP502	Supplier	HHDC	001
			BSCP504	Supplier	NHHDC
		BSCP514	Supplier	HHMO	001
			Supplier	NHHMO	001
		BSCP520	Supplier	NHHDC	001
			Supplier	LDSO	001
			Supplier	NHHDA	001

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Flow Ref.	Data Flow Name	Source	From	To	Version
D0152	Metering System EAC/AA Historical Data	BSCP504	NHHDC	NHHDC	001
		BSCP520	Supplier NHHDC	NHHDC NHHDC	001 001
D0155	Notification of New Meter Operator or Data Collector Appointment and Terms	BSCP502	Supplier	HHDC	001
		BSCP504	Supplier	NHHDC	001
		BSCP514	Supplier	HHMO	001
		BSCP520	Supplier	NHHMO	001
			Supplier	LDSO NHHDC	001 001
D0170	Request for Metering System Related Details	BSCP502	HHDC	HHDC	001
		BSCP504	NHHDC	NHHDC	001
			NHHDC	Supplier	001
		BSCP514	Supplier	HHMO	001
			Supplier	NHHMO	001
			NHHMO	NHHMO	001
			NHHMO	LDSO	001
			NHHMO	HHMO	001
			HHMO	LDSO	001
			HHMO	HHMO	001
			HHMO	CVA MOA	001
			CVA MOA	HHMO	001
			CDCA	HHMO	001
		HHMO	NHHMO	001	
		BSCP515	MOA	LDSO	001
		BSCP520	NHHDC	NHHDC	001
D0171	Notification of LDSO Changes to Metering Point Details	BSCP501	SMRS	Supplier	001
D0172	Confirmation of Changes	BSCP501	SMRS	Supplier	001
D0179	Confirmation of Energisation / De-energisation of Prepayment	BSCP504	LDSO	Supplier	001
		BSCP514	MOA	Supplier	001
			LDSO	Supplier	001
			MOA	Supplier	001
BSCP515	MOA	Supplier	001		

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Flow Ref.	Data Flow Name	Source	From	To	Version
D0179	Confirmation of Energisation / De-energisation of Prepayment	BSCP515	LDSO	Supplier	001
D0180	Request to Energise / De-energise / Shut down Prepayment Meter	BSCP514	Supplier	MOA	001
		BSCP515	Supplier	MOA	001
D0194	Request for Installation of Key Meter	BSCP514	Supplier	MOA	001
D0200	Request for Installation of Smart Card Meter	BSCP514	Supplier	MOA	001
D0203	Rejection of Changes to Metering Point Details	BSCP501	SMRS	Supplier	001
D0205	Update Registration Details	BSCP501	Supplier	SMRA	001
		BSCP504	Supplier	SMRA	001
		BSCP520	Supplier	SMRA	001
D0209	Instruction(s) to Non Half Hourly or Half Hourly Data Aggregator	BSCP501 BSCP503 BSCP505 NHHDA Technical Specification	SMRS	HHDA	001
			SMRS	NHHDA	001
			SMRS	HHDA	001
			SMRS	NHHDA	001
			SMRS	NHHDA	001
D0213	Advice from SMRS of Changed Metering Point Details	BSCP501	SMRS	Supplier	001
D0214	Confirmation of Proving Tests	BSCP502	HHMO	HHDC	001
			HHMO	LDSO	001
			HHMO	Supplier	001
		BSCP514	HHMO	Supplier	001
			HHMO	BSCCo	001
			HHMO	HHDC	001
			HHMO	LDSO	001
D0215	Provision of Site Technical	BSCP514	LDSO	Supplier	001
			LDSO	NHHMO	001
			LDSO	MOA	001

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Flow Ref.	Data Flow Name	Source	From	To	Version
D0215	Provision of Site Technical	BSCP514 BSCP515	LDSO LDSO	HHMO MOA	001 001
D0216	Request for Installation of Token Meter	BSCP514	Supplier	MOA	001
D0217	Confirmation of the Registration of a Metering Point	BSCP501	SMRS	Supplier	001
D0221	Notification of Failure to Install or Energise Metering System	BSCP514	MOA	Supplier	001
D0227	BSCCo Market Domain Data	BSCP504 BSCP508 EAC/AA Technical Specification	MDDM MDDM Not stated	NHHDC NHHDC Not stated	001 001 001
D0235	Half Hourly Aggregation Exception Report	BSCP502 BSCP503	HHDA HHDA HHDA	HHDC Supplier HHDC	001 001 001
D0260	Notification from SMRS of Old Supplier Registration Details	BSCP501	SMRS	Supplier	001
D0262	Rejection of Disconnection	BSCP515	LDSO	Supplier	001
D0265	Line Loss Factor Data File	BSCP128 BSCP503 BSCP508 SVAA Technical Specification	BSCCo BSCCo BSCCo BSCCo LDSO BSCCo BSCCo BSCCo	HHDA Not Stated Supplier SVAA BSCCo HHDA SVAA SVAA	001 001 001 001 001 001 001 001
D0266	Supplier Settlement Header Report	BSCP508 SVAA Technical Specification	SVAA SVAA	Supplier Supplier	001 001
D0268	Half Hourly Meter Technical Details	BSCP502	HHMO	HHDC	001

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Flow Ref.	Data Flow Name	Source	From	To	Version	
D0268	Half Hourly Meter Technical Details	BSCP502	HHMO	HHMO	001	
		BSCP514	CVA MOA	HHMO	001	
			HHMO	CVA MOA	001	
			HHMO	HHDC	001	
			HHMO	HHMO	001	
			HHMO	LDSO	001	
			HHMO	NHHMO	001	
			HHMO	Supplier	001	
			LDSO	HHMO	001	
D0269	Market Domain Data Complete Set	BSCP502	SVAA	HHDC	002	
		BSCP503	SVAA	HHDA	002	
		BSCP504	SVAA	NHHDC	002	
		BSCP505	SVAA	NHHDA	002	
		BSCP508	MDDM	Transmission Company	002	
			MDDM	LDSO	002	
			MDDM	SVAA	002	
			MDDM	Supplier	002	
			MDDM	BSC Panel	002	
			MDDM	SMRA	002	
			SVAA	Not Stated	002	
			MDDM	SAA	002	
			MDDM	NHHMO	002	
			MDDM	NHHDC	002	
			MDDM	NHHDA	002	
			MDDM	The	002	
			MDDM	HHDA	002	
			MDDM	HHDC	002	
			MDDM	HHMO	002	
			MDDM	FAA	002	
			BSCP514	SVAA	NHHMO	002
				SVAA	HHMO	002
		NHHDA	SVAA	NHHDA	002	
			Technical Specification			
		SVAA Technical Specification	SVAA	SVAA	002	
		BSCP502	SVAA	HHDC	004	
		BSCP503	SVAA	HHDA	004	
		BSCP504	SVAA	NHHDC	004	

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Flow Ref.	Data Flow Name	Source	From	To	Version
D0269	Market Domain Data Complete Set	BSCP505	SVAA	NHHDA	004
		BSCP508	MDDM	BSC Panel	004
			MDDM	SVAA	004
			SVAA	Not Stated	004
			MDDM	Transmission Company	004
			MDDM	LDSO	004
			MDDM	SMRA	004
			MDDM	SAA	004
			MDDM	FAA	004
			MDDM	NHHMO	004
			MDDM	NHHDC	004
			MDDM	HHMO	004
			MDDM	HHDA	004
			MDDM	NHHDA	004
			MDDM	Supplier	004
			MDDM	HHDC	004
			MDDM	The	004
			BSCP514	SVAA	HHMO
			SVAA	NHHMO	004
			NHHDA Technical Specification	SVAA	NHHDA
	SVAA Technical Specification	SVAA	SVAA	004	
D0270	Market Domain Data Incremental Set	BSCP502	SVAA	HHDC	002
		BSCP503	SVAA	HHDA	002
		BSCP504	SVAA	NHHDC	002
		BSCP505	SVAA	NHHDA	002
		BSCP508	MDDM	BSC Panel	002
			MDDM	SAA	002
			SVAA	Not Stated	002
			MDDM	Transmission Company	002
			MDDM	The	002
			MDDM	SVAA	002
			MDDM	Supplier	002
			MDDM	FAA	002
			MDDM	SMRA	002
			MDDM	NHHMO	002
MDDM	NHHDC	002			

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Flow Ref.	Data Flow Name	Source	From	To	Version		
D0270	Market Domain Data Incremental Set	BSCP508	MDDM	NHHDA	002		
			MDDM	LDSO	002		
			MDDM	HHDA	002		
					MDDM	HHMO	002
					MDDM	HHDC	002
			BSCP514	SVAA	NHHMO	002	
				SVAA	HHMO	002	
			BSCP502	SVAA	HHDC	004	
			BSCP503	SVAA	HHDA	004	
			BSCP504	SVAA	NHHDC	004	
			BSCP505	SVAA	NHHDA	004	
			BSCP508	SVAA	Not Stated	004	
				MDDM	BSC Panel	004	
				MDDM	Transmission Company	004	
				MDDM	The	004	
				MDDM	SAA	004	
				MDDM	SVAA	004	
				MDDM	HHDC	004	
				MDDM	FAA	004	
				MDDM	LDSO	004	
				MDDM	HHMO	004	
				MDDM	NHHDA	004	
				MDDM	NHHDC	004	
				MDDM	NHHMO	004	
				MDDM	HHDA	004	
				MDDM	SMRA	004	
				MDDM	Supplier	004	
		BSCP514	SVAA	NHHMO	004		
			SVAA	HHMO	004		
D0275	Validated Half Hourly Advances	BSCP502	HHDC	LDSO	001		
			HHDC	Supplier	001		
D0276	GSP Group Consumption Totals Report	BSCP508	SVAA	Supplier	002		
		SVAA Technical Specification	SVAA	Supplier	002		
D0277	Teleswitch Contact Interval Data File	017RIR	Teleswitch Agent	SVAA	001		
		BSCP508	Teleswitch Agent	SVAA	001		

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Flow Ref.	Data Flow Name	Source	From	To	Version
D0277	Teleswitch Contact Interval Data File	SVAA Technical Specification	Not stated	Not stated	001
D0278	Teleswitch Market Domain Data File	BSCP508	MDDM	SVAA	002
		SVAA Technical Specification	MDDM	SVAA	002
D0279	Teleswitch Contact Interval Data Report File	BSCP508	SVAA	Supplier	001
		SVAA Technical Specification	SVAA	Supplier	001
D0280	Teleswitch Contact to Register Mapping File	017RIR	MDDM	Supplier	001
		BSCP508	MDDM	Supplier	001
D0286	Data Aggregation and Settlements Timetable File	BSCP505	MDDM	NHHDA	001
		BSCP508 NHHDA Technical Specification	MDDM	SVAA	001
			MDDM	NHHDA	001
		SVAA Technical Specification	MDDM	SVAA	001
D0287	Annually Recalculated Researched Consumption	TA2000	SVAA	MDDM	001
D0289	Notification of MC/EAC/PC	BSCP502	Supplier	HHDC	001
		BSCP514	Supplier	HHDC	001
			Supplier	HHMO	001
D0291	Notification of Register Readings On Change of Measurement Class Coincident with Change of Supplier	BSCP514	HHMO	NHHMO	001
D0294	Confirmation of BM Unit	BSCP503 Required Amendments to TS2 for NETA	HHDA	Supplier	001
			HHDA	Supplier	001
D0295	Rejection of BM Unit Allocation	BSCP503	HHDA	Supplier	001

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Flow Ref.	Data Flow Name	Source	From	To	Version
D0295	Rejection of BM Unit Allocation	Required Amendments to TS2 for NETA	HHDA	Supplier	001
D0296	Supplier BM Unit Report	BSCP508	SVAA	Supplier	001
		Required Amendments to TS2 for NETA	SVAA	Supplier	001
		SVAA Physical Design	SVAA	Supplier	001
D0297	Notification of BM Unit Allocation	BSCP503	Supplier	HHDA	001
		Required Amendments to TS2 for NETA	Supplier	HHDA	001
D0298	BM Unit Aggregated Half Hour Data File	BSCP503	HHDA	Supplier	002
			HHDA	SVAA	002
		BSCP508	HHDA	Supplier	002
			HHDA	SVAA	002
		Required Amendments to TS2 for NETA	HHDA	Supplier	002
			HHDA	SVAA	002
		SVAA Physical Design	HHDA	SVAA	002
		HHDA	Supplier	002	
D0299	Stage 2 BM Unit Registration Data File	BSCP503	MDDM	SVAA	001
			MDDM	HHDA	001
			MDDM	Supplier	001
		BSCP508	MDDM	HHDA	001
			MDDM	Supplier	001
			MDDM	SVAA	001
		Required Amendments to TS2 for NETA	MDDM	HHDA	001
			MDDM	Supplier	001
			MDDM	SVAA	001
D0300	Disputed Readings or Missing Readings on Change of	BSCP504	Supplier	NHHDC	002
			Supplier	Supplier	002

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Flow Ref.	Data Flow Name	Source	From	To	Version	
D0303	Notification of Meter Operator, Supplier and Metering Assets installed/removed by the MOP to the MAP	BSCP514	NHHMO	MAP	001	
D0310	Notification of Failure to Load or Receive Metering System Settlement Details	BSCP504	NHHDC	UMSO	002	
			NHHDC	Supplier	002	
D0312	Notification of Meter Information to ECOES	BSCP514	HHMO	ECOES	001	
			NHHMO	ECOES	001	
D0313	Auxiliary Meter Technical Details	BSCP504	NHHMO	LDSO	001	
			NHHMO	NHHDC	001	
			NHHMO	Supplier	001	
		BSCP514	NHHMO	Supplier	001	
			NHHMO	LDSO	001	
			NHHMO	NHHDC	001	
			NHHMO	NHHMO	001	
D0314	Non Half Hourly Embedded Network DUoS Report	BSCP508	SVAA	Host LDSO	001	
P0011	Sunset Data File	BSCP508	Sunset Provider	SVAA	001	
			SVAA Technical Specification	SVAA	SVAA	001
P0012	GSP Group Take Data File	BSCP508	CDCA	SVAA	001	
			Data Interface Spec between Stage 2 and the NETA	CDCA	SVAA	001
			NETA IDD Part2 SVAA Technical Specification	CDCA	SVAA	001
P0014	Regression Equations Data File	SVAA Technical Specification	Profile Administrator	SVAA	001	
P0015	Profile Data File	BSCP508	MDDM	SVAA	001	
			SVAA Technical Specification	MDDM	SVAA	001

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Flow Ref.	Data Flow Name	Source	From	To	Version
P0024	Acknowledgement	BSCP501	NHHDC	MDDM	001
		BSCP502	HHDC	MDDM	001
		BSCP503	HHDA	MDDM	001
		BSCP504	NHHDC	MDDM	001
		BSCP505	NHHDA	MDDM	001
		BSCP508	NHHDA	MDDM	001
			Transmission Company	MDDM	001
			The Authority	MDDM	001
			SVAA	MDDM	001
			Supplier	MDDM	001
			SMRA	MDDM	001
			SAA	MDDM	001
			NHHDC	MDDM	001
			LDSO	MDDM	001
			HHMO	MDDM	001
			HHDC	MDDM	001
			HHDA	MDDM	001
			FAA	MDDM	001
			BSC Panel	MDDM	001
			NHHMO	MDDM	001
	BSCP514	HHMO	MDDM	001	
		NHHMO	MDDM	001	
	BSCP520	UMSO	MDDM	001	
P0027	Notification of Pending Work	BSCP504	Supplier	NHHDC	001
P0028	100 kW Demand Report	BSCP504	NHHDC	Supplier	001
			NHHDC	BSC Panel	001
P0030	Supplier in a GSP Group	BSCP507	Supplier	SVAA	001
P0031	Data Aggregator in a GSP	BSCP507	Supplier	SVAA	001
P0032	Data Collector in a GSP Group	BSCP507	Supplier	PAB	001
			Supplier	SVAA	001
P0033	Temperature Data	BSCP508	Temperature Provider	SVAA	001
P0034	Missing Data	BSCP508	SVAA	Sunset Provider	001

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Flow Ref.	Data Flow Name	Source	From	To	Version
P0034	Missing Data	BSCP508	SVAA	Teleswitch Agent	001
			SVAA	NHHDA	001
			SVAA	HHDA	001
			SVAA	CDCA	001
			SVAA	Temperature Provider	001
P0035	Invalid Data	BSCP502	HHDC	MDDM	001
		BSCP503	HHDA	MDDM	001
			HHDA	SMRA	001
		HHDA	Supplier	001	
		BSCP504	NHHDC	MDDM	001
			NHHDC	NHHDA	001
		BSCP505	NHHDA	SMRA	001
			NHHDA	SVAA	001
		BSCP507	CRA	SVAA	001
			SVAA	Supplier	001
		BSCP508	NHHMO	BSC Service Desk	001
			The Authority	BSC Service Desk	001
			SVAA	Temperature Provider	001
			SVAA	Teleswitch Agent	001
			SVAA	Sunset Provider	001
			SVAA	NHHDA	001
			SVAA	HHDA	001
			SVAA	BSCCo	001
			SVAA	BSC Service Desk	001
			Supplier	BSC Service Desk	001
			BSC Panel	BSC Service Desk	001
			SAA	BSC Service Desk	001
			NHHDC	BSC Service Desk	001
			NHHDA	BSC Service Desk	001
			MDDM	BSCCo	001
			LDSO	BSC Service Desk	001

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Flow Ref.	Data Flow Name	Source	From	To	Version
P0035	Invalid Data	BSCP508	HHMO	BSC Service Desk	001
			HHDC	BSC Service Desk	001
			HHDA	BSC Service Desk	001
			FAA	BSC Service Desk	001
			Transmission Company	BSC Service Desk	001
			SMRS	BSC Service Desk	001
P0035	Invalid Data	BSCP514	NHHMO	SVAA	001
			HHMO	SVAA	001
			BSCP520	UMSO	SVAA
P0036	Default Data	BSCP508	SVAA	NHHDC	001
			SVAA	Supplier	001
P0037	Lack of MDD Receipt	BSCP508	MDDM	BSC Service Desk	001
P0039	Notification that Reports		SVAA	FAA	001
			SVAA	LDSO	001
			SVAA	Supplier	001
			SVAA	Transmission Company	001
P0040	Request Daily Profile Coefficient Data	BSCP504	NHHDC	SVAA	001
			BSCP508	NHHDC	SVAA
P0043	Default Teleswitch Data Report	BSCP504 BSCP508	SVAA	Supplier	001
			SVAA	BSC Panel	001
			SVAA	Supplier	001
P0045	SP07 - SMRA & SVAA MSID Count - SMRA File	BSCP533	SMRA	PA Administrator	002
P0048	GSP Group Correction Factor	Pool Application Functional Spec	SVAA	BSCCo	001
P0049	Energy Settlement Mix	BSCP533	SVAA	PA Administrator	002

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Flow Ref.	Data Flow Name	Source	From	To	Version
P0064	Summary Inventory (for HH Trading)	BSCP520	LDSO	Meter Administrator	001
			Meter Administrator	LDSO	001
			Meter Administrator	Not Stated	001
P0068	UMS EM Technical Details	BSCP520	UMSO	Supplier	001
			UMSO	Meter Administrator	001
		P0068001	Supplier	Meter Administrator	001
			Meter Administrator	HHDC	001
P0119	Deemed Meter Reads on CoS	PARMS	Supplier	PA Administrator	001
P0120	Deemed Take Apportionment (Sup Cap Take)	BSCP533	SVAA	PA Administrator	002
		PARMS	SVAA	PA Administrator	002
P0125	Annual GSP Group Take	BSCP533	SVAA	PA Administrator	001
		PARMS	SVAA	PA Administrator	001
P0127	Suppliers Trading / Ceased Trading in GSP Group	BSCP533	SVAA	PA Administrator	001
		PARMS	SVAA	PA Administrator	001
P0133	CM01 - CVA MOA Proving Tests	BSCP533	CDCA	PA Administrator	001
P0134	CM02 - CVA MOA Fault Resolution	BSCP533	CDCA	PA Administrator	001
P0135	DPI - Data Provider Information	BSCP533	Supplier	PA Administrator	001
P0136	PARMS Market Domain Data	BSCP533	SVAA	PA Administrator	001
P0137	TA01 - GSP Group Correction Factor	BSCP533	SVAA	PA Administrator	001

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Flow Ref.	Data Flow Name	Source	From	To	Version
P0138	TA02 - Annual Demand Ratio	BSCP533	SVAA	PA Administrator	001
P0142	SP04 - Installation of HH	BSCP533	Supplier	PA Administrator	001
P0145	SP08 - Energy and MSIDs on Actuals	BSCP533	SVAA	PA Administrator	002
P0146	SP09 - NHH Defaults	BSCP533	SVAA	PA Administrator	001
P0164	SP07 - SMRA & SVAA MSID Count - SVAA File	BSCP533	SVAA	PA Administrator	001
P0170	HH Unmetered Supply	BSCP520	Supplier UMSO UMSO	UMSO Customer Supplier	001 001 001
P0171	Request Creation of UMS Skeleton SMRS Record	BSCP520	UMSO SMRA	SMRA UMSO	001 001
P0173	Confirmation of End Readings Date	BSCP520	Meter Administrator HHDC	HHDC Meter Administrator	001 001
P0174	Confirmation of Start Readings Date	BSCP520	Meter Administrator	HHDC	001
P0175	Request to SMRA to Disconnect a UMS Metering Point	BSCP520	UMSO	SMRA	001
P0176	Request for EM Details	BSCP520	Meter Administrator	UMSO	001
P0181	BM Unit Registration Data File	BSCP508	CRA MDDM CRA CRA	MDDM BSCCo MDDM MDDM	002 002 002 002
		Data Interface Spec between Stage 2 and the NETA NETA IDD Part2	CRA	MDDM	002

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Flow Ref.	Data Flow Name	Source	From	To	Version
P0182	BM Unit Supplier Take Energy Volume Date File	110pzt - SVAA	SVAA	SAA	001
		Tech Spec.			
		BSCP508	SVAA	SAA	001
		Data Interface Spec between Stage 2 and the NETA	SVAA	SAA	001
		NETA IDD Part2	SVAA	SAA	001
P0183	Stage 2 NETA Acknowledgement Message	BSCP508	SAA	SVAA	001
			SVAA	CDCA	001
			MDDM	CRA	001
		Data Interface Spec between Stage 2 and the NETA	MDDM	CRA	001
			SAA	SVAA	001
			SVAA	CDCA	001
		NETA IDD Part2	MDDM	CRA	001
			SAA	SVAA	001
P0184	MDD Matrix Changes	BSCP508	MDD Recipient	BSC Service Desk	001
P0185	NHH BM Unit Allocation	BSCP507	Supplier	SVAA	001
P0186	Half hourly default EAC	BSCP502	MDDM	HHDC	001
		BSCP503	MDDM	HHDA	001
		BSCP508	MDDM	HHDA	001
			MDDM	HHDC	001
			MDDM	LDSO	001
			MDDM	Supplier	001
P0187	SAA Data Exception Report	BSCP508	SAA	SVAA	001
		NETA IDD Part1	SAA	SVAA	001
P0189	SAA Settlement Calendar	Neta IDD Part 2	BSCCo	SVAA	001
P0190	GSP Group Profile Class Tolerances	BSCP504	MDDM	Supplier	001
		BSCP508	MDDM	NHHDC	001
P0191	Excessively Large AA	BSCP504	NHHDC	Supplier	001

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Flow Ref.	Data Flow Name	Source	From	To	Version
P0199	Registration Transfer from CMRS to SMRS	BSCP68	Transfer Co-ordinator	CDCA	001
			Registrant (SVA)	CRA	001
			LDSO	Transfer Co-ordinator	001
			CRA	Transfer Co-ordinator	001
			CDCA	Transfer Co-ordinator	001
			Registrant (SVA)	Transfer Co-ordinator	001
P0200	Registration Transfer Validation Details	BSCP68	Transfer Co-ordinator	LDSO	001
			Transfer Co-ordinator	CRA	001
			Transfer Co-ordinator	Registrant (SVA)	001
			Transfer Co-ordinator	Registrant (CVA)	001
			LDSO	Transfer Co-ordinator	001
			CRA	Transfer Co-ordinator	001
			CDCA	Transfer Co-ordinator	001
			Transfer Co-ordinator	CDCA	001
P0203	Registration Transfer Standing Data Report	BSCP68	CRA	Registrant (CVA)	001
P0204	Registration Transfer MPAN Details	BSCP68	LDSO	Registrant (SVA)	001
P0205	Deappointment and Deregistration of MOA(s) in CRA	BSCP68	Registrant (CVA)	HHMO	001
			Registrant (CVA)	NHHMO	001
P0206	Required Change of Profile Class	BSCP516	NHHDC	Supplier	001
P0207	NHH Unmetered Supply Certificate	BSCP520	UMSO	Customer	001
			UMSO	Supplier	001

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Flow Ref.	Data Flow Name	Source	From	To	Version
P0208	Estimation Due to High Energy Recorded	BSCP502	HHDC	BSCCo	001
P0209	Summary of NHH BM Unit Allocations	BSCP507	SVAA	BSCCo	001
P0210	TUoS Report (HH/NHH Split)	BSCP508	SVAA	Transmission Company	001
		SVAA Technical Specification	SVAA	Transmission Company	001
P0211	Site Visit Rejection	BSCP514	HHMO	Supplier	001
			LDSO	Supplier	001
P0211	Site Visit Rejection	BSCP515	NHHMO	Supplier	001
			LDSO	Supplier	001
P0213	Energy Breakdown (Settlement Period and BM Unit)	BSCP533	SVAA	BSCCo	001
		PARMS	SVAA	BSCCo	001
P0214	Energy Breakdown (BM Unit)	BSCP533	SVAA	BSCCo	001
		PARMS	SVAA	BSCCo	001
P0216	Notification of Incorrect Register Mapping	BSCP504	NHHDC	Supplier	001
			Supplier	NHHDC	001
P0218	Collated Supplier UMS Registrations	BSCP520	UMSO	Supplier	001
P0219	Standing Data Changes for Supplier in a GSP group	BSCP507	Supplier	BSCCo	002
			Supplier	SVAA	002
			SVAA	BSCCo	002
P0219	Standing Data Changes for Supplier in a GSP group	BSCP507	SVAA	Supplier	002
			Supplier	BSCCo	002
			SVAA	Supplier	002
P0220	Standing Data Changes for Supplier/Data Aggregator in a GSP group	BSCP507	Supplier	SVAA	002
			SVAA	BSCCo	002
			Supplier	BSCCo	002
P0220	Standing Data Changes for Supplier/Data Aggregator in a GSP group	BSCP507	SVAA	Supplier	002
			Supplier	BSCCo	002
			SVAA	Supplier	002
P0221	Notification of Long Term Vacant Site	BSCP504	Supplier	LDSO	001

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Flow Ref.	Data Flow Name	Source	From	To	Version
P0222	EAC Data to Distributor Report	BSCP505	NHHDA	LDSO	001
P0223	GSP Group Profile Class Default EAC	BSCP505	SVAA	NHHDA	001
		BSCP508	SVAA	NHHDA	001
P0224	SP11 - Timely Appointment of Agents	BSCP533	HHDC	PA Administrator	001
			HHMO	PA Administrator	001
			NHHDC	PA Administrator	001
			NHHMO	PA Administrator	001
P0225	SP12 - Timely Notification of Changes of the Data Aggregator via D0148	BSCP533	HHDC	PA Administrator	001
			NHHDC	PA Administrator	001
P0226	SP13 - Timely Notification of Changes of the Meter Operator Agent via D0148	BSCP533	HHDC	PA Administrator	001
			NHHDC	PA Administrator	001
P0227	SP14 - Timely Notification of Changes of the Data Collector via D0148	BSCP533	HHMO	PA Administrator	001
			NHHMO	PA Administrator	001
P0228	SP15 - Missing Appointments of Agents	BSCP533	HHDC	PA Administrator	001
			HHMO	PA Administrator	001
			NHHDC	PA Administrator	001
			NHHMO	PA Administrator	001
P0229	HM11 - Timely Sending of HH MTDs to HHDCs	BSCP533	HHDC	PA Administrator	001

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Flow Ref.	Data Flow Name	Source	From	To	Version
P0230	HM12 - Missing HH MTDs	BSCP533	HHDC	PA Administrator	001
			HHMO	PA Administrator	001
P0231	HM13 - Quality of HH MTDs	BSCP533	HHDC	PA Administrator	001
P0232	HM14 - Timely HH Meter Investigation Requests	BSCP533	HHDC	PA Administrator	001
P0233	NM11 - Timely Sending of NHH MTDs to NHHDCs	BSCP533	NHHDC	PA Administrator	001
P0234	NM12 - Missing NHH MTDs	BSCP533	NHHDC	PA Administrator	001
			NHHMO	PA Administrator	001
P0235	NC11 - Missing NHH Meter Reads & History from Old NHHDC to New NHHDC	BSCP533	NHHDC	PA Administrator	001
PDEX_	Deemed Meter Advance File	EAC/AA Technical Specification	NHHDC (EAC/AA)	NHHDC	001
PDRQ_	Deemed Meter Advance Request File	EAC/AA Technical Specification	NHHDC	NHHDC (EAC/AA)	001
PEEX_	EAC/AA File	EAC/AA Technical Specification	NHHDC (EAC/AA)	NHHDC	001
PERQ_	EAC/AA Request File	EAC/AA Technical Specification	NHHDC	NHHDC (EAC/AA)	001

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Flow Ref.	Data Flow Name	Source	From	To	Version
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