Initial Settlement and Reconciliation Agency (ISRA) Logical Data Design

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Initial Settlement and Reconciliation Agency (ISRA) Logical Data Design

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1 Introduction

1.1 Purpose

This document [ILDATA] contains the Logical Data Model, which provides a detailed logical description of the data and its structure, and the Data Catalogue, which describes the data items, for the ISRA system.

The content is produced in accordance with the Logical Design Process Description [LDESPD]. It is derived from the requirements described in the ISRA User Requirements Specification [ISRAURS] and where appropriate, from the data interfaces described in [DIS]. The Release 2 amendments are derived from the requirements described in the Invitation to Tender for Release 2 [ITTR2] as clarified in the Response to the ITT [RESPR2].

1.2 Scope

This document is one of the Logical Design stage deliverables and will be used as the basis for Physical Design of the ISRA system.

It should be read in conjunction with the following Logical Design documents:

- ISRA Function Definition and User Catalogue [IFUNDEF], containing:
  - User Catalogue;
  - Function Definitions;
  - Common Processes (common within ISRA);
- ISRA Conceptual Process Model [ICONMOD] which describes all the events and the more complex enquiries.

1.3 Structure of Document

This remainder of this document consists of the following sections:

- Section 2 contains the Logical Data Structure, a diagrammatic representation of the entities and the relationships between them;
- Section 3 contains explanations regarding various aspects of the model;
- Section 4 contains the Entity Descriptions which document details of each entity;
- Section 5 contains the Data Catalogue which is the central repository for descriptive information about items of data;
- Section 6 contains information on expected entity populations;
- Appendix A describes the conventions in formatting this document.

1.4 Amendment History

Issue	Details
0.900	Issued for internal review
0.901	Issued to Electricity Pool for review
0.902	Issued for internal use.

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Issue	Details
-	There was no v0.903 of this document.
0.904	Issued for joint internal and Electricity Pool review
0.990	Issued for Electricity Pool Acceptance review. Incorporates CRs: 22 (LCR022) 33 (LCR013) 38 (LCR018) 49 (LCR013) 51 (LCR001) 52 (LCR011) 58 (LCR002) 59 (LCR003) 63 (LCR012) 88 (LCR014) 94 (LCR024) Incorporates Clarifications: 4, 5, 12, 17, 19, 20, 21, 23, 24, 28, 29, 31, 32, 33, 34, 39, 40, 41, 42, 45 Incorporates response to the Pool's review comments on LDM v0.901 (EPL/LOG/124) and v0.903 (EPL/LOG/150) Incorporates review changes from v0.904 internal review.
1.000	Issued as definitive release. Incorporates Clarifications: 51, 52, 53 Incorporates response to the Pool's review comments on ISRA Logical Design v0.990 (EPL/LOG/184).
1.001	Incorporates response to the Pool's review comments on ISRA Logical Design v1.000 (LOG/EPL/175).
1.100	Incorporates Change Request: CR371 (LCR047) CR346 (LCR049) Clarifications: 64, 69, 70, 83, 86, 88, 89, 90, 91, 95, 97, 99, 102, 104, 107, 108 Defects: 411
2.000	Change Requests: CR386 (LCR053) CR344 (LCR056)
3.000	Incorporates Pool Review comments on v2.000. (Ref: LOG/EPL/543) This version is consistent with Release 1.1 of the ISRA Software.
3.001	Change Request CR451 (LCR074) This version is consistent with Release 1.2 of the ISRA Software.
3.500	Incorporating review comments from v3.001 internal review.
3.901	ISRA Release 2 (package 1 only) for review:
3.905	ISRA Release 2 (package 1 only) for Pool review

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Issue	Details
3.906	ISRA release 2 (package 1 only) incorporating Pool Comments Version includes amendments to release 2 functionality as specified in Pool CRS290v3
3.990	Incorporation of internal review comments, issued to Pool for Release 2 Package 1 Acceptance Review. Revision marks show all amendments since v3.000. Release 2 (package 1 only).
3.991	Incorporates amendments made under Release 2 ISRA Package 2 to address change requests: CR180 part 1 CR258
3.992	Incorporates internal review comments on amendments made under Release 2 ISRA Package 2 to address change requests: CR180 part 1 CR258 Issued to Pool for review. Revision marks show changes for Release 2 Package 2.
3.993	Incorporates Release 2 (Package 1) Pool Acceptance Review comments on issue 3.990. Consistent with Pool CR290v4.
3.994	Incorporates Release 2 (Package 2) Pool Review comments on issue 3.992.
3.995	This issue is unchanged from issue 3.994, but the document is being re-issued to match the version numbers of the rest of Release 2 ISRA Logical Design
3.996	Includes LCR086.
3.997-3.998	no change for this document
3.999	Incorporates LCR077.for internal review
4.000	Interim version. Incorporates all R2 changes, as a merger of the separate designs for LCR077 and LCR086. This version does not include documentation defects raised since the acceptance of R2 designs. These defects will be included in the next issue which will also include a merger with R1.3 changes made in issue 5.000. Change bars show amendments since v3.995.
5.000	Incorporating review comments from v3.500 external review. This version is consistent with Release 1.3 of the ISRA Software.
5.990	Incorporates Release 2 changes (copied from interim version 4.000) Change bars show amendments since v5.000.
6.000	Incorporating review comments from v5.990 external review. OR 2588 (Pool defect 1538) This version is consistent with Release 2.0 of the ISRA Software.
6.990	Issued version for Pool review incorporating TA2000 Changes: Package 1: LCR113 (SIR R577) LCR125 (SIR R669) LCR131, LCR131/3 (SIR R918)

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Issue	Details
	and Clarification: 001ldr30 (v3.0). Package 2: LCR85/2 (SIR R293) LCR88/2 (SIR R574) LCR104 (SIR R294) LCR111/2 (SIR R887) LCR137 (SIR R887) LCR124/2 (SIR R295) LCR126 (SIR R728) and Clarification: 002ldr50. Package 2 (MDD) LCR128/1, LCR128/3 (SIR R1116) and Clarifications: LCR136, letter ref. 294SCL01, 002ldr50 OR 2855 (Pool defect 144), OR 2868 (Corrections to TA2000 Logical Design documentation)
6.991	Updated the Project and Line Managers.
7.000	Authorised version, consistent with release 5.0.0 of the ISRA software. Updated the URS Baseline in line with CCN095.
7.001	Incorporating LCR108 (SIR R1724).
7.990	Issued to the Pool for review.
7.999	Incorporating Pool review comments.
8.000	Authorised version consistent with release 5.1.0 of the ISRA software.
8.100	Incorporating LCR150, LCR151 and LCR155 (SIR R2215).
8.990	Incorporating internal review comments. Issued to Pool for review.
8.991	Incorporating Pool review comments. OR 2969 (SIR R1724) to correct typing errors.
8.992	Incorporating Pool review comments.
9.000	Authorised version.
9.100	Incorporating LCR159 (SIR R2327): Multiple BM Unit support for ISRA/SVAA.
9.990	Issued to the Pool for review.
9.991	Incorporating Pool review comments.
9.992	Incorporating Pool review comments.
9.993	Incorporating Pool review comments.
10.000	Authorised version.
10.990	Incorporating LCR166 (further changes for SIR R2327). Updated copyright holder.
10.991	Incorporating Pool review comments.
11.000	Authorised version.
11.001	Incorporating LCR162/5 (SIR R2180) and OR3023.
11.002	Incorporating OR3118 and LCR174
11.003	Incorporating ELEXON review comments.
11.990	Issued to ELEXON for review.
11.991	Incorporating ELEXON review comment.

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Issue	Details
11.992	Updated document template
11.993	Incorporating LCR191/5
11.994	Incorporating internal review updates
11.995	Issued to ELEXON for review
11.996	Updated post review by ELEXON
11.997	Updated with new sizing figures.
12.000	Authorised version
12.001	Updated for LCR203/7 (P81) Document Template updated.
12.002	Incorporating internal review comments for LCR203/7 (P81).
12.003	Further updates after internal review for LCR203/7 (P81).
12.004	Updated from ELEXON's review
13.000	Authorised version
13.001	Incorporating BETTA changes
13.002	Updated following internal review
13.990	Issued to ELEXON for review
13.991	Updated from ELEXON's review
14.000	Authorised version
15.000	Updating document references.
15.990	Updating document references.
16.000	Authorised version
16.001	Updated for Changes CP892 and CP947. Issued to ELEXON for review.
16.002	Amended after feedback from ELEXON. Issued for review.
17.000	Authorised version
18.000	Incorporating changes for: CP929 Removal of performance reports from SVAA; CP1001 Improvements to facilitate reporting and improve usability; CP1093 Failure of suppliers to submit valid standing data relationships.
18.990	Incorporating changes for: CP1209 Inclusion of MSID Counts on the GSP Group Consumption Totals Report
19.000	Authorised version
19.900	Incorporating ISIS Enhancements changes.
19.990	Updated following internal review. For ELEXON review.
20.000	Authorised version
20.010	Updated document classification
20.0	Back issued for exit management
20.1	P253: November 20011 Updates ‘’‘’‘’‘’‘’
20.2	P253: Addresses review comments.
20.5	P253 : Reworked version.

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Issue	Details
21.0	P253: Final version
21.1	November 2015 Release – P300 & P305
21.2	Incorporated the ELEXON review comments
22.0	Clean version - Nov 2015 Release
22.1	Nov 2015 changes post Go-Live

1.5 Summary of Changes

Changes as indicated in the amendment history.

1.6 Changes Forecast

Agreed Change Requests will be incorporated.

1.7 References

Mnemonic	Information	Details
[DIS]	Title: Author:	SVA Data Catalogue Volume 1: Data Interfaces ELEXON
[LDESPD]	Title: Author:	Logical Design Process Description Elexon
[ICONMOD]	Title: Author:	ISRA Conceptual Process Model Elexon
[IFUNDEF]	Title: Author:	ISRA Function Definition and User Catalogue Elexon
[ISRAURS]	Title: Author:	SVAA User Requirements Specification ELEXON
[ILDATA]	Title: Author:	This document Elexon
[ITTR2]	Title: Author:	Invitation to Tender-Release 2 of Pool Software Elexon
[RESPR2]	Title: Author:	Response to ITT for Release 2 Elexon

1.8 Abbreviations

AA	Annualised Advance
AFYC	Average Fraction of Yearly Consumption
BETTA	British Electricity Trading and Transmission Arrangements

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BM	Balancing Mechanism
BMUIGG	BM Unit In GSP Group
BSC	Balancing and Settlement Code
BUSTEV	BM Unit Supplier Take Energy Volume
CCC	Consumption Component Class
CDCA	Central Data Collection Agent
CTCU	Central Tele-switch Control Unit
DA	Data Aggregator
DC	Data Collector
DPP	Daily Profile Production
DRP	Data Retention Period
DUoS	Distribution Use of System
EPD	Elementary Process Description
EAC	Estimate of Annual Consumption
GMT	Greenwich Mean Time
GSP	Grid Supplier Point
HH	Half-Hourly
HHDA	Half-Hourly Data Aggregator
ISR	Initial Settlement and Reconciliation
ISRA	ISR Agent
LDM	Logical Data Model
LDSO	Licensed Distribution System Operator
LLF	Line Loss Factor
LLFC	LLF Class
MDD	Market Domain Date
MDDA	Market Domain Date Agent
MSID	Metering System ID
NETA	New Electricity Trading Arrangements
NHH	Non-Half-Hourly
NHHDA	Non-Half-Hourly Data Aggregator
NPG	Non-Pooled Generation
PFA	Pool Funds Administrator
PPR	Profile Production Run
SAA	Settlement Administrator Agent
SPM	Supplier Purchase Matrix

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SSA	Settlements System Administrator
SSC	Standard Settlement Configuration
SSR	Supplier Settlement and Reconciliation
SVA	Supplier Volume Allocation
SVAA	SVA Agent
TPR	Time Pattern Regime
TUoS	Transmission Use of System
UTC	Universal Time Clock
VMRPC	Valid Measurement Requirement Profile Class
VSCPC	Valid combinations of Settlement Configurations and Profile Classes

1.9 Intellectual Property Rights and Copyright

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2 Logical Data Structure

The LDS is presented in 5 diagrams on the following pages.

Note: the diagram represents the relationships between active data on the system and not the relationships that exist after data has been deleted (logical or physical).

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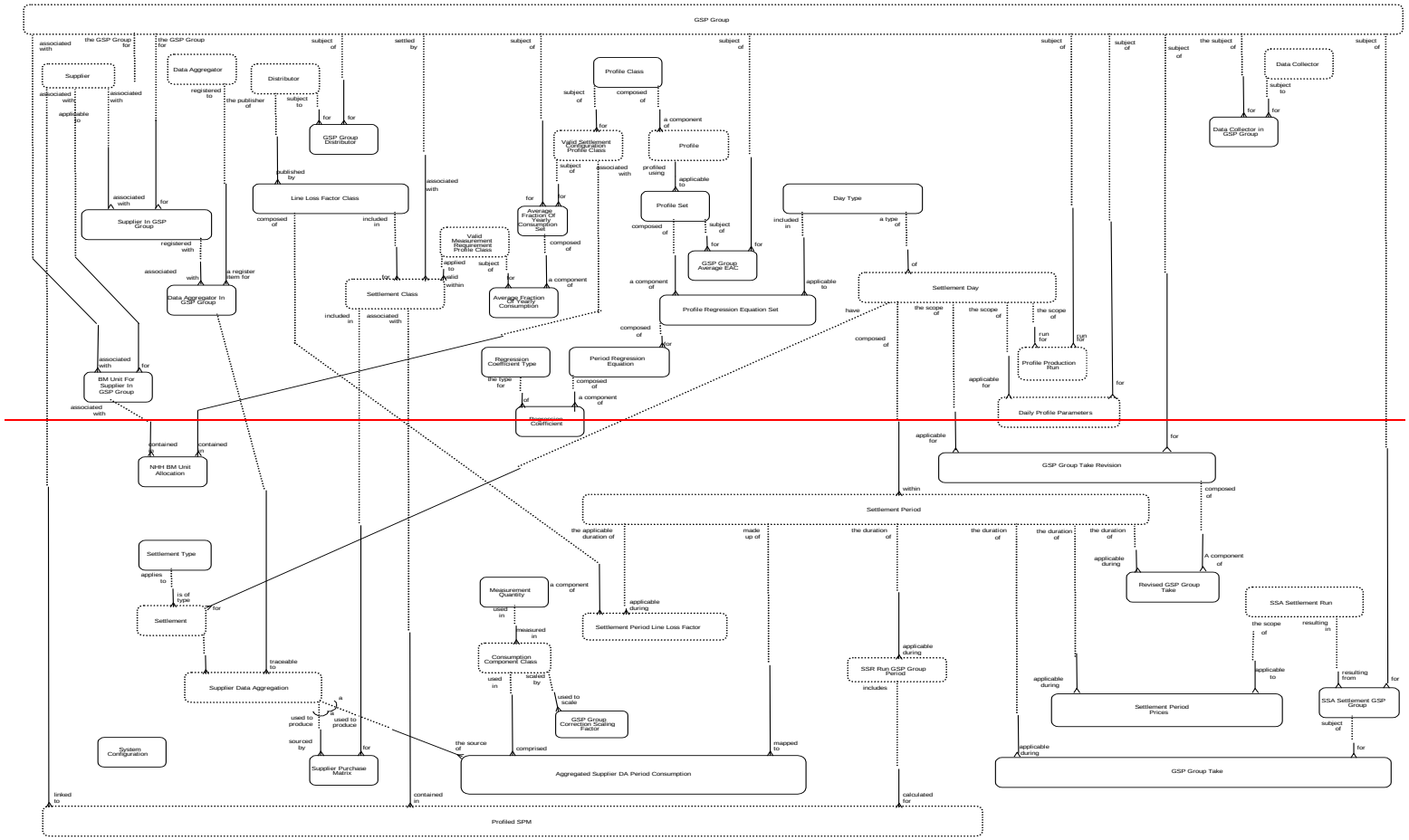

GSP Group
Supplier
Data Aggregator
Distributor
Profile Class
Data Collector
Data Collector in GSP Group
GSP Group Distributor
Valid Settlement Configuration Profile Class
Profile
Line Loss Factor Class
Profile Set
Day Type
Supplier In GSP Group
Average Fraction Of Yearly Consumption Set
GSP Group Average EAC
Valid Measurement Requirement Profile Class
Settlement Class
Average Fraction Of Yearly Consumption
Settlement Day
Data Aggregator In GSP Group
Profile Regression Equation Set
Regression Coefficient Type
Period Regression Equation
Profile Production Run
BM Unit For Supplier In GSP Group
Regression Coefficient
Daily Profile Parameters
NHH BM Unit Allocation
GSP Group Take Revision
Settlement Period
Settlement Type
Measurement Quantity
Revised GSP Group Take
SSA Settlement Run
Settlement
Settlement Period Line Loss Factor
Consumption Component Class
SSR Run GSP Group Period
Supplier Data Aggregation
GSP Group Correction Scaling Factor
Settlement Period Prices
SSA Settlement GSP Group
System Configuration
Supplier Purchase Matrix
Aggregated Supplier DA Period Consumption
GSP Group Take
Profiled SPM

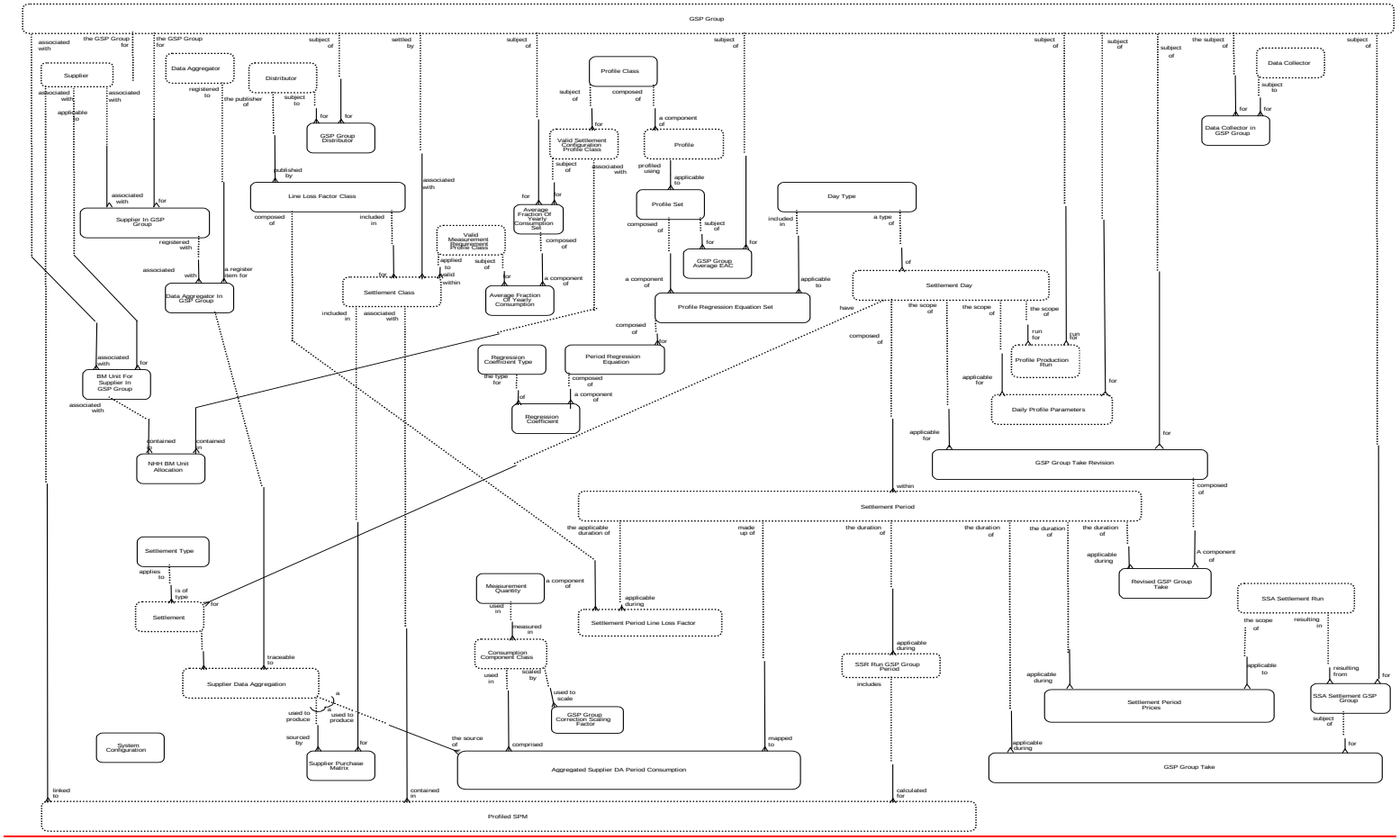
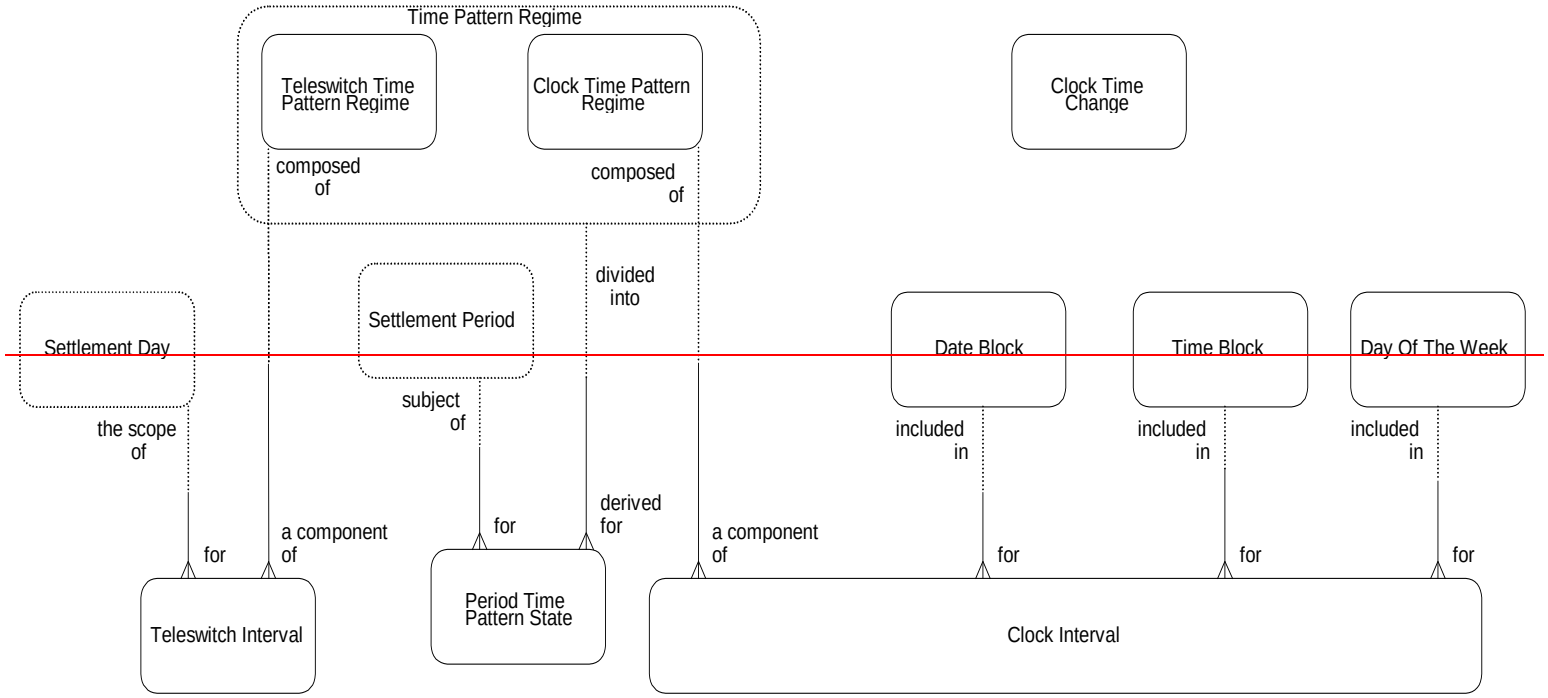


Figure 1: Main ISRA LDS


Time Pattern Regime
Teleswitch Time Pattern Regime
Clock Time Pattern Regime
Clock Time Change
composed of
composed of
divided into
Settlement Day
Settlement Period
Date Block
Time Block
Day Of The Week
subject of
the scope of
included in
included in
included in
derived for
for
a component of
for
a component of
for
for
for
for
Teleswitch Interval
Period Time Pattern State
Clock Interval

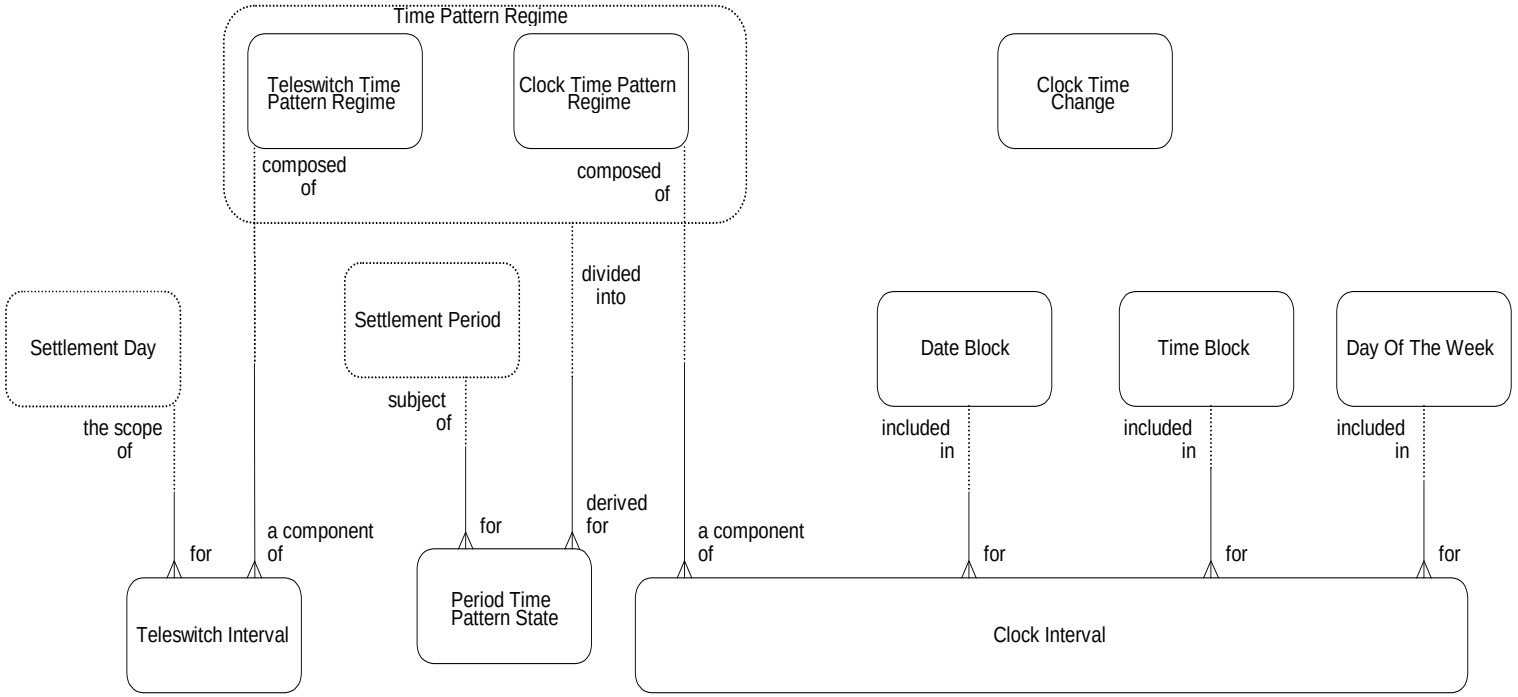


Figure 2: Time Regime Area

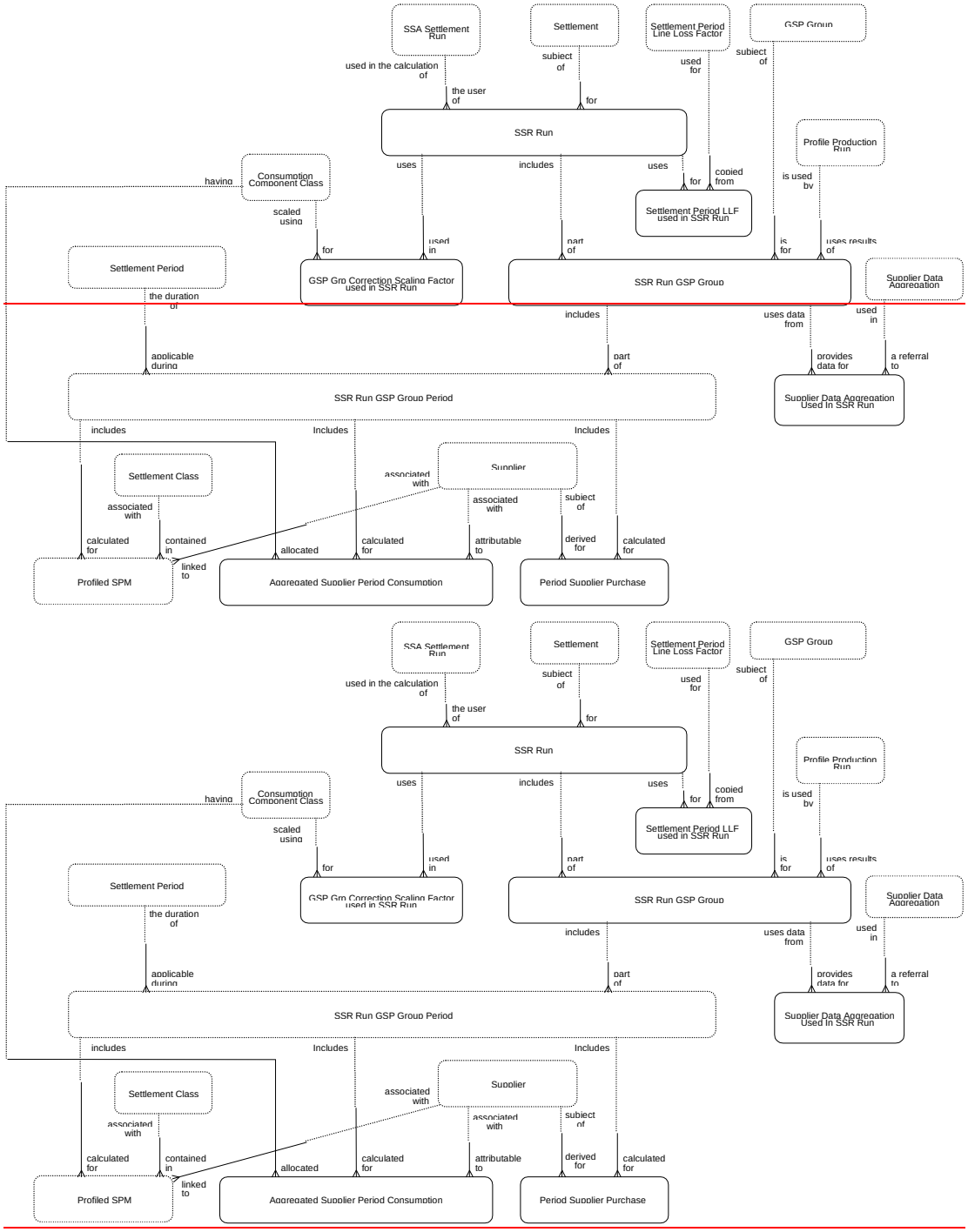


Figure 3: SSR Run Area for Settlement Days before the start of the NETA

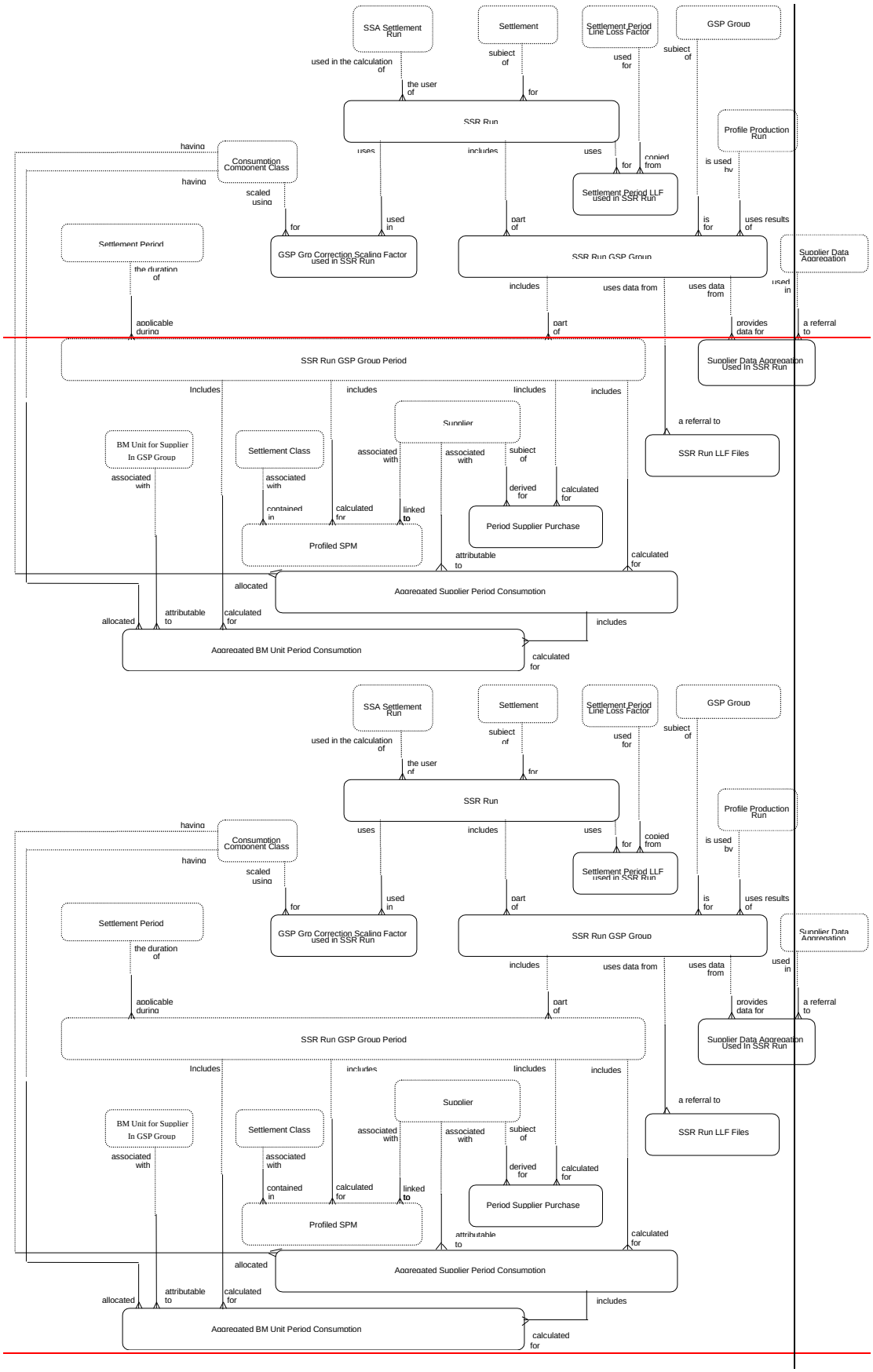
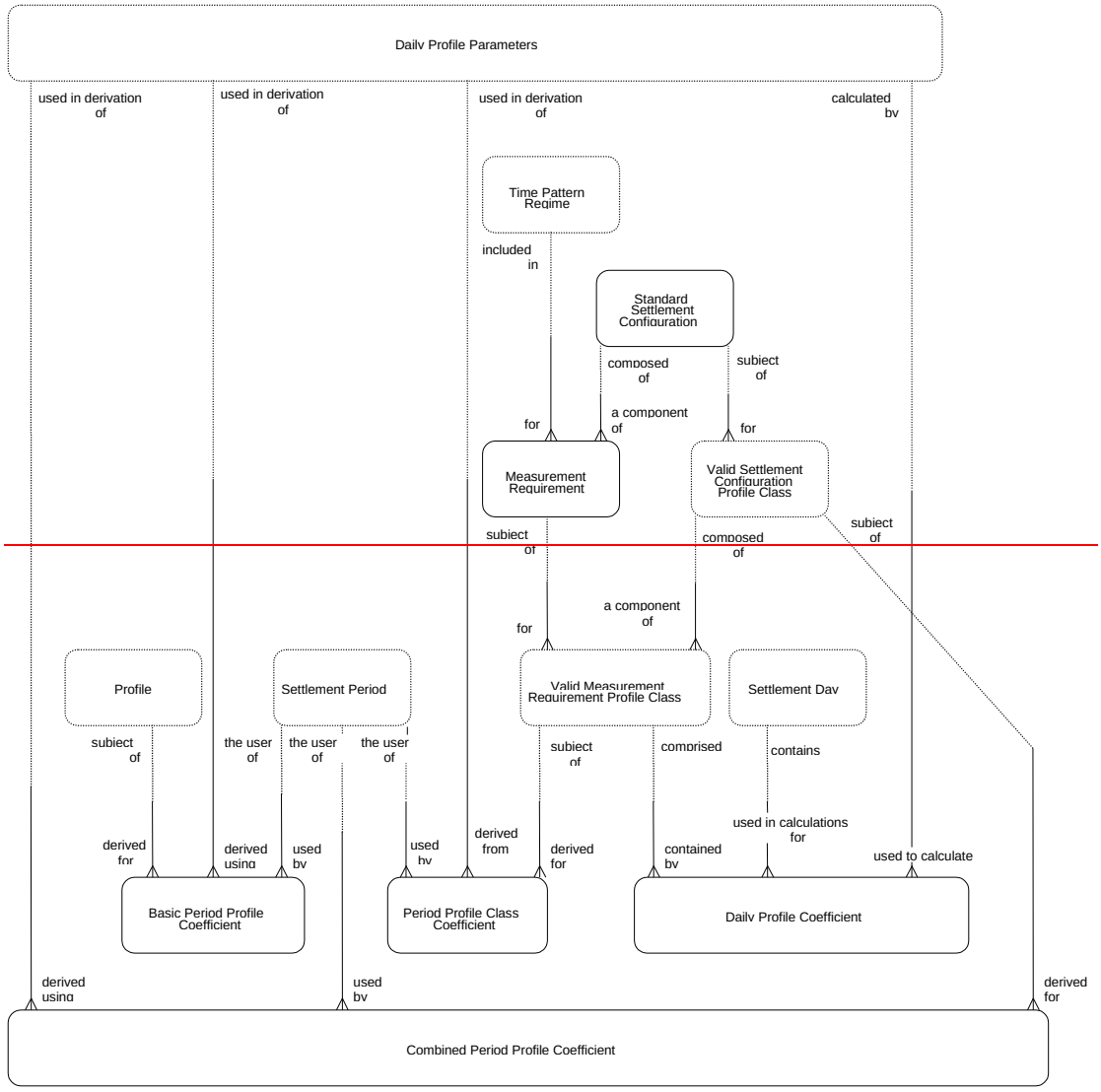


Figure 3a: SSR Run Area for Settlement Days from the start of the NETA


Daily Profile Parameters
used in derivation of
used in derivation of
used in derivation of
calculated by
Time Pattern Regime
included in
Standard Settlement Configuration
composed of
subject of
a component of
for
for
Measurement Requirement
Valid Settlement Configuration Profile Class
subject of
composed of
subject of
for
a component of
Profile
Settlement Period
Valid Measurement Requirement Profile Class
Settlement Day
subject of
the user of
the user of
the user of
subject of
comprised
contains
used in calculations for
derived for
derived using
used by
used by
derived from
derived for
contained by
used to calculate
Basic Period Profile Coefficient
Period Profile Class Coefficient
Daily Profile Coefficient
derived using
used by
derived for
Combined Period Profile Coefficient

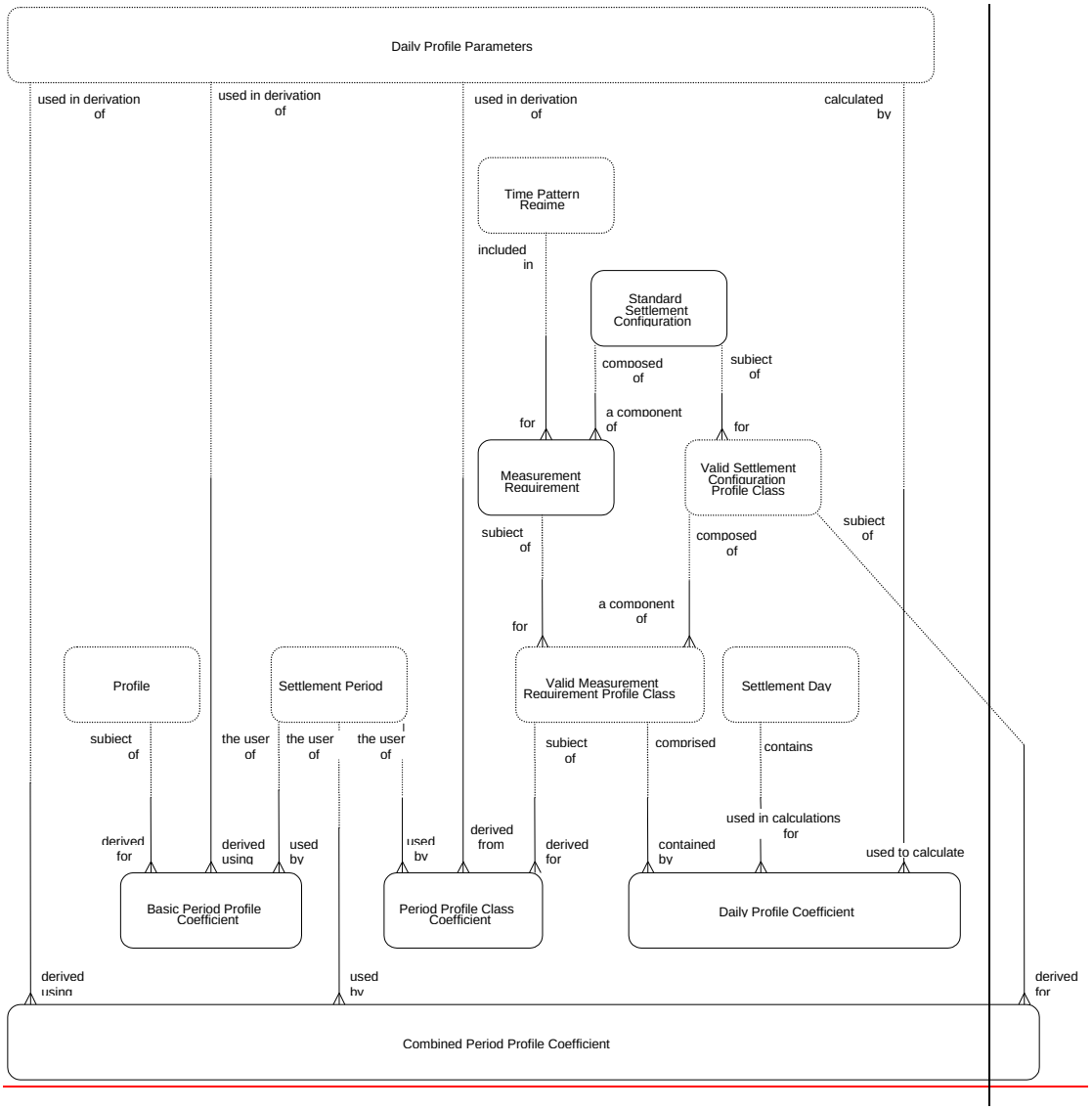
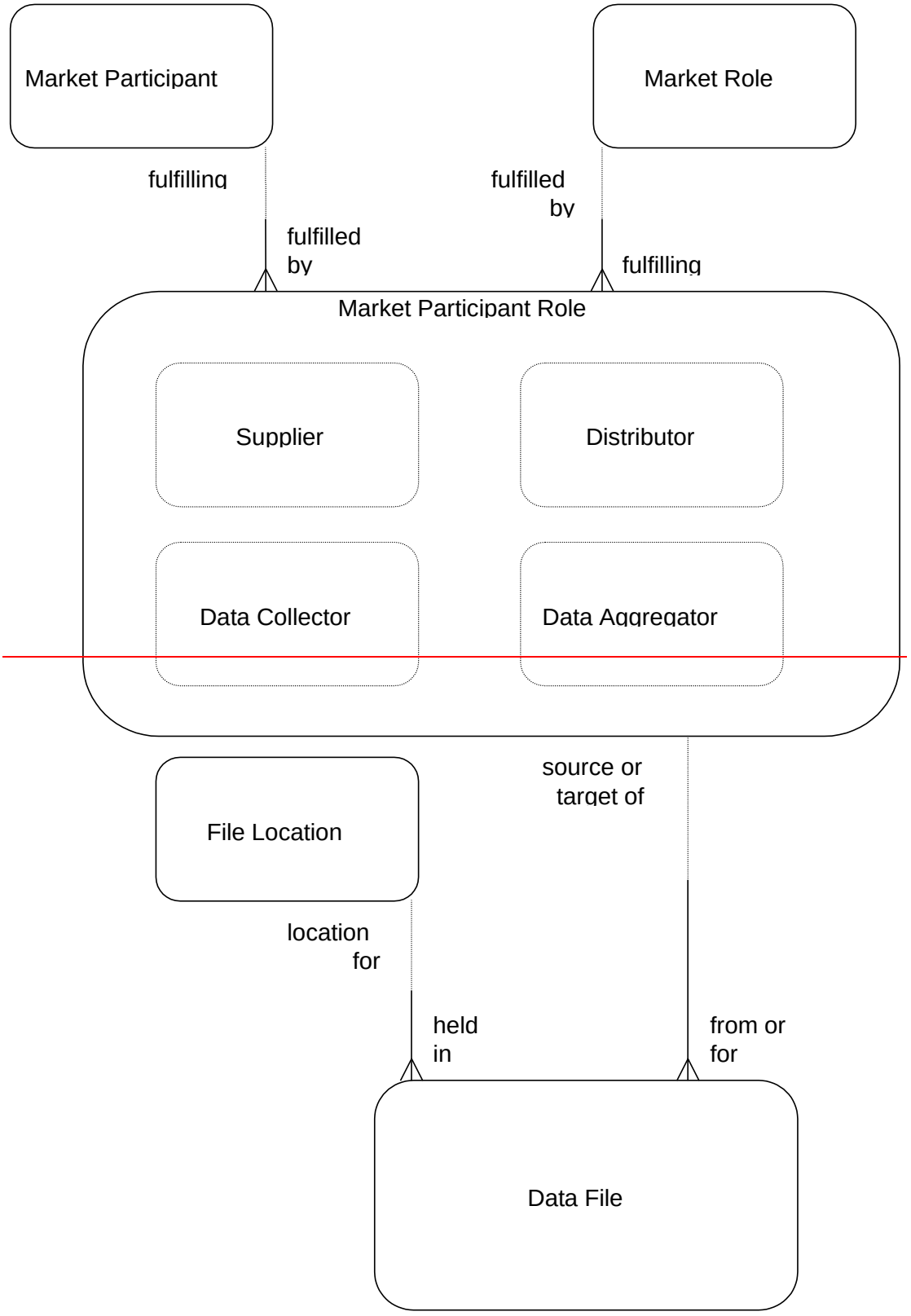


Figure 4: Profile Coefficient Area


Market Participant
Market Role
fulfilling
fulfilled by
fulfilled by
fulfilling
Market Participant Role
Supplier
Distributor
Data Collector
Data Aggregator
source or target of
File Location
location for
held in
from or for
Data File

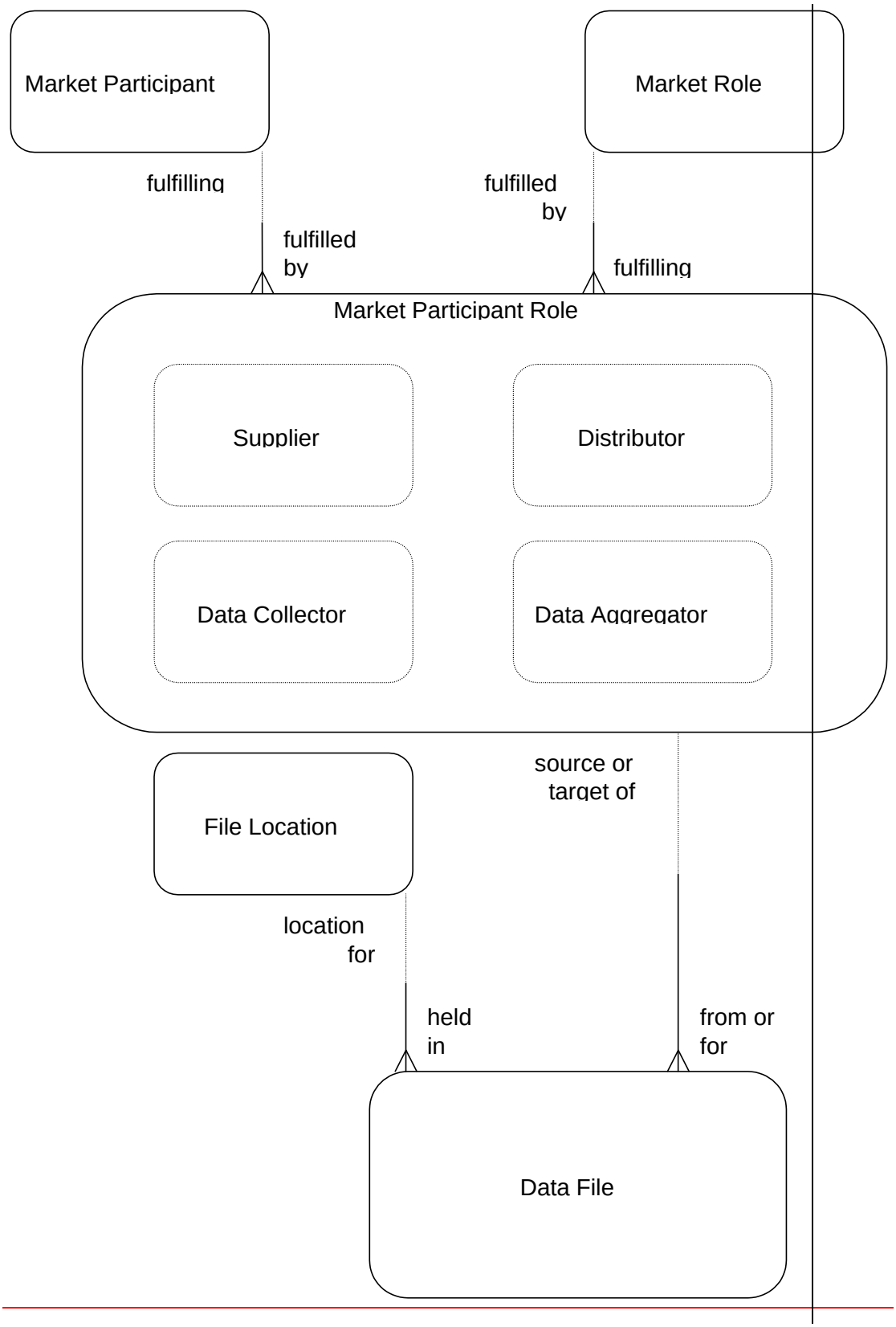


Figure 5: Market Participants

3 General Notes on the Entities

3.1 More Than One LDS

There is more than one LDS in order to make the main LDS easier to read. It has been done in such a way as to highlight logical areas. The usual SSADM convention of using dashed boxes for entities appearing on more than one LDS is adopted.

3.2 The Generic Model for Files

The Market Participants LDS represents a generic model for Market Participants and file processing, common to ISRA and the other 1998 programme systems. At first sight "File" sounds too physical to have any place in a logical data design. However in [DIS], the Electricity Pool defines how data is passed between the 1998 systems in Data Files, and so "File" is part of the real world which the logical design is modelling.

A Data File as defined in [DIS] contains a source Market Participant Id and Market Participant Role Code and a target Market Participant Id and Market Participant Role Code. For any given 1998 system which has a view of a Data File, one of these pairs will always be the Market Participant Id and Market Participant Role of itself, so this pair is excluded from the Data File entity included in the generic model within the LDM. Instruction files, of which there is one type coming into ISRA, have a different format, again defined in [DIS], and so are presented as a distinct subtype.

One Market Participant can have more than one role, and for each role there may be more than one Market Participant, hence the link entity Market Participant Role is required.

3.3 Audit and User Entities

These are not included in the LDM because they relate to non functional requirements which will be resolved in the physical design. (However references to auditing and user roles are made in [IFUNDEF] as far as they have been identified at this stage.) Audit entity would require a one-to-many relationship with every entity on the model that is subject to audit. This would serve to complicate the diagram enormously while adding very little value.

3.4 Data Item Range Validation

Valid discrete values and ranges of values for columns are supported by the generic tables that define physical domains and the valid range or discrete values for each physical domain. The domains table holds the high level definition of domains and the values holds the valid values (one per row) or the valid range (in a single row). The actual valid values and ranges may change over time, to a resolution of a day. This is catered for by including effective from and to dates. A flag against the domain indicates whether or not it may be modified by a suitably privileged user.

Data item range validation has not been included in the LDM because to add a Validation entity with relationships to many existing entities would serve to complicate the diagram without providing additional useful information.

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4 Entity Descriptions

4.1 Entity : 'Aggregated Supplier DA Period Consumption'

Description :

For Settlement Days before the start of the NETA, the aggregated HH metered consumption, Non-Pooled Generation or line loss for a supplier, within a GSP Group, by Consumption Component Class, for a Settlement Period.

For Settlement Days from the start of the NETA, the aggregated HH metered consumption, Non-Pooled Generation or line loss for a supplier, within a GSP Group, by BM Unit (optional), Consumption Component Class and Settlement Period. The BM Unit value is allowed to be optional as this metered consumption, Non-Pooled Generation or line loss will then be allocated to the Default BM Unit by the Settlement Run.

The Consumption Component Class determines what the Aggregated Supplier Consumption or Aggregated Supplier Line Loss actually represents.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

GSP Group Id (Prime Foreign)

Data Aggregation Run Number (Prime Foreign)

Settlement Period Id (Prime Foreign)

Consumption Component Class Id (Prime Foreign)

BM Unit Id as Specified by HH Data Aggregator [for Settlement Days from the start of the NETA] (Prime Foreign[1] - optional)

Data Aggregator Market Participant Id (Prime Foreign)

Data Aggregator Market Participant Role Code (Prime Foreign)

Supplier Market Participant Id (Prime Foreign)

Supplier Market Participant Role Code (Prime Foreign)

Settlement Date (Foreign Key)

Data Aggregation Type (Foreign Key)

---

[1] This is a logical primary key only as it is not possible to physically implement an optional primary key

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Data Aggregator HH MSID Count

Aggregated Supplier Consumption [for Settlement Days before the start of the NETA] (optional)

Aggregated BM Unit Energy [for Settlement Days from the start of the NETA] (optional)

Aggregated Supplier Line Loss [for Settlement Days before the start of the NETA] (optional)

Aggregated BM Unit Line Losses [for Settlement Days from the start of the NETA] (optional)

4.2 Entity : 'Aggregated BM Unit Period Consumption'

Description :

For Settlement Days from the start of the NETA the aggregated profiled consumption or Line Loss derived for a BM Unit, by Consumption Component Class, for a Settlement Period. Aggregated consumption is calculated separately for each Consumption Component Class; the line loss consumption components are aggregated separately.

Aggregated BM Unit Energy is derived from one of:

a) applying profiles to aggregated EACs and summing across Settlement Classes and Data Aggregators for each BM Unit or

b) applying profiles to aggregated Annualised Advances and summing across Settlement Classes and Data Aggregators, for each BM Unit.

Aggregated BM Unit Line Losses are derived from adjusting the profiled consumption for each Line Loss Class and summing across Settlement Classes and Data Aggregators, for the BM Unit.

The Consumption Component Class determines which type the BM Unit consumption or line loss represents.

Corrected BM Unit Energy is derived by applying the GSP Group Correction Factor to the appropriate consumption components; Corrected Line Losses Component is derived by applying the GSP Group Correction Factor to the appropriate line loss components.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

SSR Run BM Unit Id (Prime Foreign)

Consumption Component Class Id (Prime Foreign)

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GSP Group Id (Prime Foreign)

SSR Run Number (Prime Foreign)

Settlement Period Id (Prime Foreign)

Supplier Market Participant Id (Prime Foreign)

Supplier Market Participant Role Code (Prime Foreign)

Settlement Date (Foreign Key)

Aggregated BM Unit Energy (Optional)

Aggregated BM Unit Line Losses (Optional)

Corrected BM Unit Energy (Optional)

Corrected BM Unit Line Losses (Optional)

4.3 Entity : 'Aggregated Supplier Period Consumption'

Description :

The aggregated profiled consumption or Line Loss derived for a supplier, within a GSP Group, by Consumption Component Class, for a Settlement Period. Aggregated consumption is calculated separately for each Consumption Component Class; the line loss consumption components are aggregated separately.

Aggregated Supplier Consumption is derived from one of:

a) applying profiles to aggregated ~~disconnection volumes~~EACs and summing across Settlement Classes and Data Aggregators for each Supplier or

b) applying profiles to aggregated Annualised Advances and summing across Settlement Classes and Data Aggregators, for each Supplier.

Aggregated Supplier Line Loss is derived from adjusting the profiled consumption for each Line Loss Class and summing across Settlement Classes and Data Aggregators, for the Supplier.

The Consumption Component Class determines which type the supplier consumption or line loss represents.

Corrected Supplier Consumption is derived by applying the GSP Group Correction Factor to the appropriate consumption components; Corrected Line Loss Component is derived by applying the GSP Group Correction Factor to the appropriate line loss components.

Aspect :

None

Super Type :

None

Sub Types :

None

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Attributes

Consumption Component Class Id (Prime Foreign)

GSP Group Id (Prime Foreign)

SSR Run Number (Prime Foreign)

Settlement Period Id (Prime Foreign)

Supplier Market Participant Id (Prime Foreign)

Supplier Market Participant Role Code (Prime Foreign)

Settlement Date (Foreign Key)

Aggregated Supplier Consumption (Optional)

Aggregated Supplier Line Loss (Optional)

Corrected Supplier Consumption (Optional)

Corrected Supplier Line Loss (Optional)

Aggregated Supplier MSID Count (Optional)

4.4 Entity : 'Aggregated Supplier DA Period Disconnection Volume'

Description :

The aggregated HH metered energy and line loss for a supplier, within a GSP Group, by BM Unit (optional), Consumption Component Class and Settlement Period. The BM Unit value is allowed to be optional as this metered consumption, line loss will then be allocated to the Default BM Unit by the Settlement Run.

The Consumption Component Class determines what the Aggregated Supplier energy or Aggregated Supplier Line Loss actually represents.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

GSP Group Id (Prime Foreign)

Data Aggregation Run Number (Prime Foreign)

Settlement Period Id (Prime Foreign)

Consumption Component Class Id (Prime Foreign)

BM Unit Id as Specified by HH Data Aggregator

Data Aggregator Market Participant Id (Prime Foreign)

Data Aggregator Market Participant Role Code (Prime Foreign)

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Supplier Market Participant Id (Prime Foreign)

Supplier Market Participant Role Code (Prime Foreign)

Settlement Date (Foreign Key)

Data Aggregation Type (Foreign Key)

Data Aggregator HH MSID Count

Aggregated BM Unit Energy [for Settlement Days from the start of the NETA] (optional)

Aggregated BM Unit Line Losses [for Settlement Days from the start of the NETA] (optional)

4.5 Entity : 'Aggregated BM Unit Period Disconnection Volume'

Description :

The aggregated profiled disconnection volume or Line Loss derived for a BM Unit, by Consumption Component Class, for a Settlement Period. Aggregated consumption is calculated separately for each Consumption Component Class; the line loss consumption components are aggregated separately.

Aggregated BM Unit Energy is derived from one of:

a) applying profiles to aggregated disconnection volumes and summing across Settlement Classes and Data Aggregators for each BM Unit or

Aggregated BM Unit Line Losses are derived from adjusting the profiled consumption for each Line Loss Class and summing across Settlement Classes and Data Aggregators, for the BM Unit.

The Consumption Component Class determines which type the BM Unit consumption or line loss represents.

Corrected BM Unit Energy is derived by applying the GSP Group Correction Factor to the appropriate consumption components; Corrected Line Losses Component is derived by applying the GSP Group Correction Factor to the appropriate line loss components.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

SSR Run BM Unit Id (Prime Foreign)

Consumption Component Class Id (Prime Foreign)

GSP Group Id (Prime Foreign)

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SSR Run Number (Prime Foreign)

Settlement Period Id (Prime Foreign)

Supplier Market Participant Id (Prime Foreign)

Supplier Market Participant Role Code (Prime Foreign)

Settlement Date (Foreign Key)

Aggregated BM Unit Energy (Optional)

Aggregated BM Unit Line Losses (Optional)

Corrected BM Unit Energy (Optional)

Corrected BM Unit Line Losses (Optional)

4.6 Entity : 'Aggregated Supplier Period Disconnection Volume

Description :

The aggregated profiled consumption or Line Loss derived for a supplier, within a GSP Group, by Consumption Component Class, for a Settlement Period. Aggregated consumption is calculated separately for each Consumption Component Class; the line loss consumption components are aggregated separately.

Aggregated Supplier Consumption is derived from:

a) applying profiles to aggregated disconnection volumes and summing across Settlement Classes and Data Aggregators for each Supplier or

Aggregated Supplier Line Loss is derived from adjusting the profiled consumption for each Line Loss Class and summing across Settlement Classes and Data Aggregators, for the Supplier.

The Consumption Component Class determines which type the supplier consumption or line loss represents.

Corrected Supplier Consumption is derived by applying the GSP Group Correction Factor to the appropriate consumption components; Corrected Line Loss Component is derived by applying the GSP Group Correction Factor to the appropriate line loss components.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

Consumption Component Class Id (Prime Foreign)

GSP Group Id (Prime Foreign)

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SSR Run Number (Prime Foreign)

Settlement Period Id (Prime Foreign)

Supplier Market Participant Id (Prime Foreign)

Supplier Market Participant Role Code (Prime Foreign)

Settlement Date (Foreign Key)

Aggregated Supplier Consumption (Optional)

Aggregated Supplier Line Loss (Optional)

Corrected Supplier Consumption (Optional)

Corrected Supplier Line Loss (Optional)

Aggregated Supplier MSID Count (Optional)

4.7 Entity : 'Average Fraction Of Yearly Consumption'

Description :

A specification of the average fraction of consumption which is attributed to a particular Measurement Requirement, in the context of a particular GSP Group, Standard Settlement Configuration and Profile Class.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

Profile Class Id (Prime Foreign)

Time Pattern Regime Id (Prime Foreign)

Standard Settlement Configuration Id (Prime Foreign)

Effective From Settlement Date {AFOYCS} (Prime Foreign)

GSP Group Id (Prime Foreign)

Effective From Settlement Date {VSCPC} (Foreign)

Average Fraction of Yearly Consumption

4.8 Entity : 'Average Fraction Of Yearly Consumption Set'

Description :

A set of data specifying how, on average, consumption is split across registers for a particular GSP Group, Standard Settlement Configuration and Profile Class.

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Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

GSP Group Id (Prime Foreign)

Profile Class Id (Prime Foreign)

Standard Settlement Configuration Id (Prime Foreign)

Effective From Settlement Date {VSCPC} (Foreign)

Effective From Settlement Date {AFOYCS} (Prime Key)

Effective To Settlement Date {AFOYCS} (Optional)

4.9 Entity : 'Basic Period Profile Coefficient'

Description :

A profile coefficient which when applied to an annualised advance value (EAC or AA) supplies an estimate of consumption for a specific Settlement Period. A Basic Period Profile Coefficient is obtained by evaluating a Period Regression Equation for a Profile within a GSP Group, without modification for any particular time regime.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

GSP Group Id (Prime Foreign)

Profile Class Id (Prime Foreign)

Profile Id (Prime Foreign)

Settlement Date (Prime Foreign)

Settlement Period Id (Prime Foreign)

Basic Period Profile Coefficient

4.10 Entity : 'BM Unit For Supplier In GSP Group'

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Description :

A representation of the time period for which a BM Unit is valid for a Supplier and GSP Group combination. The Default BM Unit Flag is used to distinguish the BM Unit to be used where consumption data is not explicitly assigned to a BM Unit. One BM Unit may be assigned as the default for each Supplier and GSP Group for any one Settlement Day. The BM Unit can be associated with more than one Supplier and GSP Group combinations, but can be associated with only one combination on each Settlement Day.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

GSP Group Id (Foreign Key)

Supplier Market Participant Id (Foreign Key)

Supplier Market Participant Role Code (Foreign Key)

BM Unit Id (Prime Key)

Effective From Settlement Date {BMUIGG} (Prime Key)

Effective To Settlement Date {BMUIGG} (Optional)

Default BM Unit Flag

4.11 Entity : 'Clock Interval'

Description :

The 'on' interval of a clock based Time Pattern Regime. Clock Intervals for a Time Pattern Regime are defined in terms of Date Blocks, Days of the Week and Time Blocks (start and end times). The time blocks do not necessarily lie on a half hour boundary.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

Time Pattern Regime Id (Prime Foreign)

Day of the Week Id (Prime Foreign)

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Start Day {Date Block} (Prime Foreign)

Start Month {Date Block} (Prime Foreign)

End Day {Date Block} (Prime Foreign)

End Month {Date Block} (Prime Foreign)

Start Time (Prime Foreign)

End Time (Foreign Key)

4.12 Entity : 'Clock Time Change'

Description :

A change in the clock time protocol being used.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

Change Date (Prime Key)

GMT Time

Post Change Local Time

4.13 Entity : 'Clock Time Pattern Regime'

Description :

A Time Pattern Regime associated with a clock-switched Standard Settlement Configuration.

Aspect :

None

Super Type :

Time Pattern Regime

Sub Types :

None

Attributes

Time Pattern Regime Id (Prime Key)

4.14 Entity : 'Combined Period Profile Coefficient'

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Description :

A profile coefficient or combination of base and switched profile coefficients which, when applied to an annualised advance value (EAC or AA), supplies an estimate of consumption for a specific Settlement Period. A Combined Profile Coefficient is derived for each valid combination of Switched Load Profile Class (a Profile Class which has at least one switched load Profile) and Standard Settlement Configuration, and includes both the base and switched load components. (Base Load Profile Coefficient is used for single coefficients.)

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

GSP Group Id (Prime Foreign)

Profile Class Id (Prime Foreign)

Standard Settlement Configuration Id (Prime Foreign)

Effective From Settlement Date {VSCPC} (Foreign)

Settlement Date (Prime Foreign)

Settlement Period Id (Prime Foreign)

Normal Register Period Profile Coefficient

Low Register Period Profile Coefficient

4.15 Entity : 'Consumption Component Class'

Description :

The class of Half Hourly Consumption and Non-Pooled Generation which has been calculated or aggregated. Consumption is summed/calculated in each of these different components in order that the GSP Group Correction Factor can be applied (or not, as required) to each. The classes are dependent upon valid combinations of the attributes specified, i.e. whether the consumption is:

1) for Half Hourly or Non Half Hourly

2) for Metered or Unmetered supply,

3) Actual / estimated consumption

4) Based on AA or EAC calculation,

5) Metering System Specific Line Loss, Non Metering System Specific Line Loss or base consumption.

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6) Active Import or Active Export.

The Half Hourly classes are further dependant upon whether the half hourly demand associated with a site is above or below 100kW. There will be two Consumption Component Classes for each Half Hourly Metered Consumption/Losses for actual or estimated readings; one for sites above 100kW, and one for sites below 100kW.

Initially, only combinations of the following will have the Scaling Factor set to 1 i.e. have the GSP Group Correction Factor applied:

Non-half hourly; metered or unmetered; actual/ estimated; EAC/AA; base consumption/non-metering system specific line loss; active import or active export.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

Consumption Component Class Id (Prime Key)

Measurement Quantity Id (Foreign Key)

Data Aggregation Type

Metered/Unmetered Indicator

Actual/Estimated Indicator (Optional)

AA/EAC Indicator (Optional)

Consumption Component Indicator

Notes :

Actual/Estimated and AA/EAC Indicators are optional because the former applies only to HH meters and the latter to non-HH.

4.16 Entity : 'Daily Profile Coefficient'

Description :

The sum of all Period Profile Class Coefficients for a Settlement Day, within GSP Group, for a Profile Class and Measurement Requirement combination.

Aspect :

None

Super Type :

None

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Sub Types :

None

Attributes

GSP Group Id (Prime Foreign)

Profile Class Id (Prime Foreign)

Time Pattern Regime Id (Prime Foreign)

Standard Settlement Configuration Id (Prime Foreign)

Settlement Date (Prime Foreign)

Effective From Settlement Date {VSCPC} (Foreign)

Daily Profile Coefficient

4.17 Entity : 'Daily Profile Parameters'

Description :

For each GSP Group, values must be supplied for a number of parameters for each Settlement Day. These are substituted into the Period Regression Equations to calculate the Basic Period Profile Coefficients. The parameters include:

- Deemed Time of Sunset;

- Actual Noon Temperature;

- The deemed time of sunset is known and can be specified up to a year in advance. Actual Noon Temperature cannot be specified until the day following the Settlement Day. Noon Effective Temperature is derived from the average of Actual Noon Temperature over a number of days.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

GSP Group Id (Prime Foreign)

Settlement Date (Prime Foreign)

Time of Sunset

Actual Noon Temperature (Optional)

Noon Effective Temperature (Optional)

Notes :

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Actual Noon Temperature and Effective Noon Temperature are optional because they are not known at the time the sunset file is loaded.

4.18 Entity : 'Data Aggregator'

Description :

An organisation that is accredited by the Pool to perform half hourly or non half hourly data aggregation.

Aspect :

None

Super Type :

Market Participant Role

Sub Types :

None

Attributes

Market Participant Id (Prime Key)

Market Participant Role Code (Prime Key)

Active Flag

4.19 Entity : 'Data Aggregator In GSP Group'

Description :

Record of Data Aggregator agreement to perform data aggregation for a supplier for an aggregation type by GSP Group.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

GSP Group Id (Prime Foreign)

Data Aggregation Type (Prime Key)

Data Aggregator Market Participant Id (Prime Foreign)

Data Aggregator Market Participant Role Code (Prime Foreign)

Supplier Market Participant Id (Prime Foreign)

Supplier Market Participant Role Code (Prime Foreign)

Effective From Settlement Date {DAIGG} (Prime Key)

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Effective To Settlement Date {DAIGG} (Optional)

Effective From Settlement Date {SIGG} (Foreign Key)

4.20 Entity : 'Data Collector'

Description :

An organisation that is accredited by the Pool to periodically collect and process meter readings and derive consumptions. ISRA only handles non half hourly Data Collectors.

Aspect :

None

Super Type :

Market Participant Role

Sub Types :

None

Attributes

Market Participant Id (Prime Key)

Market Participant Role Code (Prime Key)

4.21 Entity : 'Data Collector in GSP Group'

Description :

Record of a Data Collector being active in a GSP Group.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

Data Collector Market Participant Id (Prime Foreign)

Data Collector Market Participant Role Code (Prime Foreign)

GSP Group Id (Prime Foreign)

Effective From Date {DCIGG} (Prime Key)

Effective To Date {DCIGG} (Optional)

4.22 Entity : 'Data File'

Description :

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A class of file that contains data generated (output files) or for use by (input files) the ISRA system.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

Market Participant Id (Prime Foreign)

Market Participant Role Code (Prime Foreign)

Data File Sequence Number (Prime Key)

File Location (Foreign Key)

File Name

File Sent or Received (Optional)

File Sent or Received Timestamp

File Creation Timestamp

File Processed Timestamp (Optional)

File Status

File Format Code

File Content Code

Run Number (Optional)

Run Type Code (Optional)

Settlement Date (Optional)

Settlement Code (Optional)

GSP Group Id (Optional)

4.23 Entity : 'Date Block'

Description :

A block of dates within the year, forming part of the definition of a Clock Interval.

Aspect :

None

Super Type :

None

Sub Types :

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None

Attributes

Start Day {Date Block} (Prime Key)

Start Month {Date Block} (Prime Key)

End Day {Date Block} (Prime Key)

End Month {Date Block} (Prime Key)

4.24 Entity : 'Day Of The Week'

Description :

A day of the week (e.g. Saturday), forming part of the definition of a Clock Interval.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

Day of the Week Id (Prime Key)

4.25 Entity : 'Day Type'

Description :

A type of day, used to determine which set of regression equations and which time patterns are valid on a specific Settlement Day.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

Day Type Id (Prime Key)

4.26 Entity : 'Demand Disconnection Event details'

Description :

The details of demand disconnection event which is sent by the Distributor.

Aspect :

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None

Super Type :

None

Sub Types :

None

Attributes

Market Participant Id (Prime Foreign)

Market Participant Role Code (Prime Foreign)

Demand Control Event Id (Primary Key)

Start Date and Time

End Date and Time

Metering System Id

4.27 Entity : 'Demand Control Instruction'

Description :

The details of demand control instructions which is sent by the CVA system (BMRA).

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

Market Participant Id (Prime Foreign)

Market Participant Role Code (Prime Foreign)

Demand Control Event Id (Primary Key)

Instruction Sequence

Start Date and Time

End Date and Time

Volume

SO Flag

Amendment Flag

4.28 Entity : 'Disconnection Purchase Matrix'

Description :

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The Estimated Annual Consumption and Annualised Advance totals for a Supplier for: a GSP Group, Profile Class, Line Loss Factor Class and Measurement Class (collectively known as Settlement Class).

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

GSP Group Id (Prime Foreign)

Data Aggregation Run Number (Prime Foreign)

Line Loss Factor Class Id (Prime Foreign)

Distributor Market Participant Id (Prime Foreign)

Distributor Market Participant Role Code (Prime Foreign)

Data Aggregator Market Participant Id (Prime Foreign)

Data Aggregator Market Participant Role Code (Prime Foreign)

Supplier Market Participant Id (Prime Foreign)

Supplier Market Participant Role Code (Prime Foreign)

Profile Class Id (Prime Foreign)

Time Pattern Regime Id (Prime Foreign)

Standard Settlement Configuration Id (Prime Foreign)

Data Aggregation Type (Foreign Key)

DPM Total EAC

DPM Total Annualised Advance

DPM Total Unmetered Consumption

DPM Total EAC MSID Count

DPM Total AA MSID Count

DPM Total Unmetered MSID Count

DPM Default EAC MSID Count

DPM Default Unmetered MSID Count

4.29 Entity : 'Distributor'

Description :

An organisation which owns and operates a distribution system.

Aspect :

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None

Super Type :

Market Participant Role

Sub Types :

None

Attributes

Market Participant Id (Prime Key)

Market Participant Role Code (Prime Key)

Active Flag

4.30 Entity : 'File Location'

Description :

The location of a (copy of a) File.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

File Location (Prime Key)

4.31 Entity : 'Final Dispute Expected Data Aggregation'

Description :

A record that a Data Aggregation is expected to be run by a Market Participant for a GSP Group for a Final Dispute Settlement.

None

Super Type :

None

Sub Types :

None

Attributes

Effective From Settlement Date {FDEDA} (Prime Key)

Effective To Settlement Date {FDEDA}

GSP Group Id (Prime Foreign)

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Data Aggregator Market Participant Role (Prime Foreign)

Data Aggregator Market Participant Id (Prime Foreign)

4.32 Entity : 'GSP Group'

Description :

The identifier of a distinct electrical system, consisting of all or part of one or more distribution systems (each owned and operated by a LDSO) that are supplied from one or more Grid Supply Points for which the total supply into the GSP Group can be determined for each half hour.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

GSP Group Id (Prime Key)

GSP Group Name

Effective From Date{GG}

Effective To Date {GG}

Scottish GSP Group Flag

4.33 Entity : 'GSP Group Average EAC'

Description :

The average Effective Annual Consumption for a GSP group.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

GSP Group Id (Prime Foreign)

Profile Class Id (Prime Foreign)

Profile Id (Prime Foreign)

Effective From Settlement Date {PSET} (Prime Foreign)

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Group Average Annual Consumption

4.34 Entity : 'GSP Group Correction Scaling Factor'

Description :

A specification of the degree to which a GSP Group Correction Factor is applied to a Consumption Component Class. Currently, the values are 0 (not applied) and 1 (applied). However, future values are accommodated for, such as between 0 and 1 (partially applied) and greater than 1 (over-applied).

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

Consumption Component Class Id (Prime Foreign)

Effective From Settlement Date {GGCSF} (Prime Key)

GSP Group Correction Scaling Factor

4.35 Entity : 'GSP Grp Correction Scaling Factor used in SSR Run'

Description :

The GSP Group Correction Scaling Factors used in a particular SSR Run. They are snapshot of the valid values for the settlement day in question at the time at which the run is prepared.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

SSR Run Number (Prime Foreign)

Consumption Component Class Id (Prime Foreign)

GSP Group Correction Scaling Factor

4.36 Entity : 'GSP Group Distributor'

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Description :

The Distributor(s) for a GSP Group, from the specified Effective From Settlement Date.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

GSP Group Id (Prime Foreign)

Effective From Settlement Date {GGD} (Prime Key)

Effective To Settlement Date {GGD} (Optional)

Distributor Market Participant Id (Prime Foreign)

Distributor Market Participant Role Code (Prime Foreign)

4.37 Entity : 'GSP Group Take'

Description :

The summed metered consumption for all the GSPs - measured at GSP level - for a GSP Group in a half-hour Settlement Period. It is supplied by the SSA for each SSA Settlement Run.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

GSP Group Id (Prime Foreign)

SSA Settlement Run Number (Prime Foreign)

SSA Settlement Date (Prime Foreign)

Settlement Period Id (Prime Foreign)

GSP Group Take

Period GSP Group Purchases

Notes :

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Relationships dictate that this entity should have both SSA Settlement Date and Settlement Date. However, these would always be the same and so only SSA Settlement Date is used.

4.38 Entity : 'Line Loss Factor Class'

Description :

A classification of Line Loss Factors, drawn up by a Distributor, which represents a set of Line Loss Factors and the times for which they are applicable. Line Loss Factor Classes may be drawn up by the Distributor for general areas of their system and hence may be appropriate for many Metering Systems. Alternatively they may be drawn up by the Distributor for specific areas of their system and hence may only be appropriate for a small number (possibly only one) of Metering Systems. The latter type are referred to as Metering System Specific Line Loss Factor Classes. ISRA only maintains details of the general Line Loss Factor Classes.

ISRA is only concerned with Line Loss Factor Classes for non half hourly metering systems. It does not cater for metering system specific line loss.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

Distributor Market Participant Id (Prime Foreign)

Distributor Market Participant Role Code (Prime Foreign)

Line Loss Factor Class Id (Prime Key)

Effective From Settlement Date {LLFC} (Prime Key)

Effective To Settlement Date {LLFC} (Optional)

Active Flag

4.39 Entity : 'Market Participant'

Description :

A Market Participant is any organisation having dealings in the Market and which may communicate with the system, including the organisation running the system.

Aspect :

None

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Super Type :

None

Sub Types :

None

Attributes

Market Participant Id (Prime Key)

Market Participant Name

Active Flag

4.40 Entity : 'Market Participant Role'

Description :

A Role that a Market Participant may take on. These include: Data Aggregator, Data Collector, Distributor, and Supplier.

Aspect :

None

Super Type :

None

Sub Types :

Data Aggregator

Data Collector

Distributor

Supplier

Attributes

Market Participant Id (Prime Foreign)

Market Participant Role Code (Prime Foreign)

Active Flag

4.41 Entity : 'Market Role'

Description :

A Role that a Market Participant may take on. These include: Data Aggregator, Data Collector, Distributor, and Supplier.

Aspect :

None

Super Type :

None

Sub Types :

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None

Attributes

Market Participant Role Code (Prime Key)

Market Participant Role Description

4.42 Entity : 'Measurement Quantity'

Description :

A quantity which may be measured by registers of Metering Systems.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

Measurement Quantity Id (Prime Key)

Direction of energy flow

4.43 Entity : 'Measurement Requirement'

Description :

A Standard Settlement Configuration requirement for consumption to be measured during a Time Pattern Regime.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

Time Pattern Regime Id (Prime Foreign)

Standard Settlement Configuration Id (Prime Foreign)

4.44 Entity : 'Non-Half Hourly BM Unit Allocation'

Description :

A Valid Settlement Configuration Profile Class allocated to a BM Unit for Supplier in GSP Group

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Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

BM Unit Id (Prime Foreign)

Effective From Settlement Date {BMUIGG} (Prime Foreign)

Effective From Settlement Date {NHHBMUA} (Prime Key)

Profile Class Id (Prime Foreign)

Standard Settlement Configuration Id (Prime Foreign)

Effective To Settlement Date {NHHBMUA} (Optional)

4.45 Entity : 'Period Profile Class Coefficient'

Description :

A Profile Coefficient which when applied to an annualised advance value (EAC or AA) supplies an estimate of consumption for a specific Settlement Period. A Period Profile Class Coefficient is derived for a valid Profile Class within Time Pattern Regime, taking into account any switched load and chunking.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

Profile Class Id (Prime Foreign)

GSP Group Id (Prime Foreign)

Time Pattern Regime Id (Prime Foreign)

Standard Settlement Configuration Id (Prime Foreign)

Settlement Date (Prime Foreign)

Settlement Period Id (Prime Foreign)

Effective From Settlement Date {VSCPC} (Foreign)

Period Profile Class Coefficient

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4.46 Entity : 'Period Regression Equation'

Description :

A Regression Equation and associated Regression Coefficients for a Settlement Period (1 to 48) within a Profile and GSP Group, for a season and day type combination. When evaluated using GSP Group and Settlement Date specific parameters, the regression equation produces a Basic Period Profile Coefficient. The Regression Equation may change over time.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

Profile Class Id (Prime Foreign)

Profile Id (Prime Foreign)

Season Id (Prime Foreign)

Day Type Id (Prime Foreign)

Settlement Period Id (Prime Key)

Effective From Settlement Date {PSET} (Prime Foreign)

4.47 Entity : 'Period Supplier Purchase'

Description :

The total value of purchases for a Supplier within a GSP Group, for a Settlement Period derived during a specific SSR Run for the Settlement Day.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

Supplier Market Participant Id (Prime Foreign)

Supplier Market Participant Role Code (Prime Foreign)

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GSP Group Id (Prime Foreign)

SSR Run Number (Prime Foreign)

Settlement Period Id (Prime Foreign)

Settlement Date (Foreign Key)

Period Supplier Deemed Take

Period Supplier Purchase Total

Unadjusted Supplier Deemed Take

Supplier Period Weighted Consumption

4.48 Entity : 'Period Time Pattern State'

Description :

The state of a Time Pattern Regime during a Settlement Period, indicating whether the time pattern is 'On' or not. The indicator is derived from a Clock Interval or Tele-switch Interval.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

Time Pattern Regime Id (Prime Foreign)

Standard Settlement Configuration Id (Prime Foreign)

Settlement Date (Prime Foreign Key)

Settlement Period Id (Prime Foreign Key)

Period Register On State Indicator

4.49 Entity : 'Profile'

Description :

A pattern of consumption of electricity, by half hour, across a year. The shape of the profile is defined by sets of Profile Coefficients, which are derived by evaluating Regression Equations.

Profiles for Economy 7 Profile Classes are either for switched load or base load.

Aspect :

None

Super Type :

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None

Sub Types :

None

Attributes

Profile Id (Prime Key)

Profile Class Id (Prime Foreign)

Profile Settlement Periods

Effective From Settlement Date {PROF}

Effective To Settlement Date {PROF} (Optional)

Profile Description

Active Flag

4.50 Entity : 'Profile Class'

Description :

A group of customers whose consumption can be reasonably approximated to a common profile for settlement purposes.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

Profile Class Id (Prime Key)

Profile Class Description

Switched Load Profile Class Ind

Active Flag

4.51 Entity : 'Profile Production Run'

Description :

A run of the profile production process for a GSP Group and Settlement Day.

Aspect :

None

Super Type :

None

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Sub Types :

None

Attributes

Profile Production Run Number (Prime Key)

GSP Group Id (Prime Foreign)

Settlement Date (Foreign)

Profile Production Run Date

Profile Production Run Time

Tele-Switch Date

4.52 Entity : 'Profile Regression Equation Set'

Description :

The set of regression equations for a profile, for a season and day type combination. The equations may change over time.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

Profile Class Id (Prime Foreign)

Profile Id (Prime Foreign)

Season Id (Prime)

Day Type Id (Prime Foreign)

Effective From Settlement Date {PSET} (Prime Foreign)

4.53 Entity : 'Profile Set'

Description :

Profile Set is a set of Profile data as provided by the Profile Administrator.

Aspect :

None

Super Type :

None

Sub Types :

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None

Attributes

Profile Class Id (Prime Foreign)

Profile Id (Prime Foreign)

Effective From Settlement Date {PSET} (Prime Key)

4.54 Entity : 'Profiled SPM'

Description :

The set of data created by applying half hourly profiles to the EAC, AA and Unmetered Totals in a SPM.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

SSR Run Number (Prime Foreign)

Profile Class Id (Prime Foreign)

GSP Group Id (Prime Foreign)

Line Loss Factor Class Id (Prime Foreign)

Standard Settlement Configuration Id (Prime Foreign)

Time Pattern Regime Id (Prime Foreign)

Settlement Period Id (Prime Foreign)

Supplier Market Participant Id (Prime Foreign)

Supplier Market Participant Role Code (Prime Foreign)

Distributor Market Participant Id (Prime Foreign)

Distributor Market Participant Role Code (Prime Foreign)

Effective From Settlement Date {VSCPC} (Foreign)

Profiled SPM Total Annualised Advance

Profiled SPM Total EAC

Profiled SPM Total Unmetered Consumption

Profiled SPM Total AA MSID Count

Profiled SPM Total EAC MSID Count

Profiled SPM Total Unmetered MSID Count

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4.55 Entity : 'Profiled DPM'

Description :

The set of data created by applying half hourly profiles to the EAC, AA and Unmetered Totals in a DPM.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

SSR Run Number (Prime Foreign)

Profile Class Id (Prime Foreign)

GSP Group Id (Prime Foreign)

Line Loss Factor Class Id (Prime Foreign)

Standard Settlement Configuration Id (Prime Foreign)

Time Pattern Regime Id (Prime Foreign)

Settlement Period Id (Prime Foreign)

Supplier Market Participant Id (Prime Foreign)

Supplier Market Participant Role Code (Prime Foreign)

Distributor Market Participant Id (Prime Foreign)

Distributor Market Participant Role Code (Prime Foreign)

Effective From Settlement Date {VSCPC} (Foreign)

Profiled DPM Total Annualised Advance

Profiled DPM Total EAC

Profiled DPM Total Unmetered Consumption

Profiled DPM Total AA MSID Count

Profiled DPM Total EAC MSID Count

Profiled DPM Total Unmetered MSID Count

4.56 Entity : 'Regression Coefficient'

Description :

A Regression Coefficient used in a Period Regression Equation.

Aspect :

None

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Super Type :

None

Sub Types :

None

Attributes

Profile Class Id (Prime Foreign)

Profile Id (Prime Foreign)

Season Id (Prime Foreign)

Day Type Id (Prime Foreign)

Regression Coefficient Type (Prime Foreign)

Settlement Period Id (Prime Foreign)

Effective From Settlement Date {PSET} (Prime Foreign)

Regression Coefficient

Scottish Regression Flag

4.57 Entity : 'Regression Coefficient Type'

Description :

A list of valid Regression Coefficient Types.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

Regression Coefficient Type (Prime Key)

Regression Coefficient Type Description

4.58 Entity : 'Settlement'

Description :

A calculation of the funds to be cleared between Suppliers and Generators in respect of electricity traded through the Pool. This includes settlement and reconciliation.

For each Settlement Day the Pool publishes a schedule of settlements. It may include target dates for completing the major business functions and running the various component 1998 systems (Data Processing, Data Aggregation, DPP, Existing Settlements and SSR).

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Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

Settlement Code (Prime Foreign)

Settlement Date (Prime Foreign)

Planned SSR Run Date

Payment Date

4.59 Entity : 'Settlement Class'

Description :

The combination which defines the level at which non-Half Hourly Data Aggregators must supply aggregated EAC and AA values - that is for a Measurement Requirement, Profile and Line Loss Factor Class within a GSP Group.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

GSP Group Id (Prime Foreign)

Line Loss Factor Class Id (Prime Foreign)

Distributor Market Participant Id (Prime Foreign)

Distributor Market Participant Role Code (Prime Foreign)

Profile Class Id (Prime Foreign)

Time Pattern Regime Id (Prime Foreign)

Standard Settlement Configuration Id (Prime Foreign)

Effective From Settlement Date {VSCPC} (Foreign Key)

Effective From Settlement Date {LLFC} (Foreign Key)

Notes :

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Settlement Class is derived from Aggregation Data received rather than used for validation.

4.60 Entity : 'Settlement Day'

Description :

A day in local time (not GMT), of a certain day type, within a season, on which electricity is traded and settled.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

Settlement Date (Prime Key)

Day Type Id (Foreign Key)

Scottish Day Type Id (Foreign Key)

Season Id

4.61 Entity : 'Settlement Period'

Description :

A half hour period within a Settlement Day.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

Settlement Date (Prime Foreign)

Settlement Period Id (Prime Key)

Settlement Period Label

4.62 Entity : 'Settlement Period Line Loss Factor'

Description :

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The Line Loss Factor to be applied for a Line Loss Factor Class during a Settlement Period. A Line Loss Factor is the factor by which consumption is multiplied to derive an estimate of consumption at GSP level. They have a value >1. Line Loss Factor values are determined by the distribution area and will be specified as varying from half hour to half hour, by day type, season and over time. For the purposes of Final Initial Settlement(SF) and Reconciliation, for settlement dates before P253 implementation and for the purposes of Initial Interim (II), Final Initial Settlement(SF) and Reconciliation, for settlement dates on and after P253 implementation they are expressed here as a value by Settlement Period and Line Loss Factor Class.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

Settlement Date (Prime Foreign)

Settlement Period Id (Prime Foreign)

Line Loss Factor Class Id (Prime Foreign)

Distributor Market Participant Id (Prime Foreign)

Distributor Market Participant Role Code (Prime Foreign)

Effective From Settlement Date {LLFC} (Foreign Key)

Line Loss Factor

4.63 Entity : 'Settlement Period LLF used in SSR Run'

Description :

The Settlement Period Line Loss Factors used in a particular SSR Run. They are snapshot of the valid values for the settlement day in question at the time at which the run is prepared.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

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SSR Run Number (Prime Foreign)

Settlement Period Id (Prime Foreign)

Line Loss Factor Class Id (Prime Foreign)

Distributor Market Participant Id (Prime Foreign)

Distributor Market Participant Role Code (Prime Foreign)

Settlement Date (Foreign Key)

Line Loss Factor

4.64 Entity : 'Settlement Period Prices'

Description :

The pricing and transmission losses data from the existing Settlements system (SSA) which is required to calculate Suppliers' purchases in a Settlement Period from the deemed take. Only kept for the most recent SSA Settlement Run for the Settlement Day. The Pool Selling Price, Transmission Loss Multiplier and Transmission Losses Reconciliation Multiplier attributes will be populated with dummy values for settlement dates greater than or equal to the date that the New Electricity Trading Arrangements become effective

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

Settlement Date (Prime Foreign)

Settlement Period Id (Prime Foreign)

SSA Settlement Run Number (Prime Foreign)

Pool Selling Price

Transmission Loss Multiplier

Transmission Losses Reconciliation Multiplier

4.65 Entity : 'Settlement Type'

Description :

The types of settlement and reconciliation which can be performed for a settlement day.

Aspect :

None

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Super Type :

None

Sub Types :

None

Attributes

Settlement Code (Prime Key)

Settlement Sequence Number

Settlement Code Description

Standing Data Update Indicator

4.66 Entity : 'SSA Settlement GSP Group'

Description :

Entity to hold the Daily GSP Group Purchases.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

GSP Group Id (Prime Foreign)

SSA Settlement Run Number (Prime Foreign)

SSA Settlement Date (Prime Foreign)

Daily GSP Group Purchases

Period Purchases Valid

4.67 Entity : 'SSA Settlement Run'

Description :

For Settlement Days preceding the start of the NETA this entity holds records for the Preliminary, Provisional and Final SSA Runs. For Settlement Days from the start of the NETA this entity holds records for the CDCA Run Sets. For backwards compatibility, the names of this entity's attributes are not changed from the start of the NETA. Used by the SSR Run to reference GSP Group Takes and Settlement Period Prices for the set of Settlement Periods in a Settlement Day.

Aspect :

None

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Super Type :

None

Sub Types :

None

Attributes

SSA Settlement Run Number (Prime Key)

SSA Settlement Date (Prime Key)

SSA Settlement Run Type Id

CDCS Extract Number

4.68 Entity : 'SSR Run'

Description :

For Settlement dates before P253 implementation : A run of the SSR Final Initial Settlement (SF) or Reconciliation process for one or more GSP Groups. Audit data which is common to all GSP Groups is held against this entity.

For Settlement dates on and after P253 implementation : A run of the SSR Initial Interim (II), Final Initial Settlement (SF) or Reconciliation process for one or more GSP Groups. Audit data which is common to all GSP Groups is held against this entity.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

SSR Run Number (Prime Key)

Settlement Date (Foreign Key)

Settlement Code (Foreign Key)

SSA Settlement Run Number (Foreign Key)

SSA Settlement Date (Foreign Key)

SSR Run Type Id

SSR Run Date

SSR Run Status

4.69 Entity : 'SSR Run GSP Group'

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Description :

A run of the SSR Initial Interim (II)[1], Final Initial Settlement (SF) or Reconciliation process for a GSP Group. Audit data which is GSP Group specific is held against this entity.

[1]There is no II data for Settlement Days before the P253 Settlement Date.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

SSR Run Number (Prime Foreign)

GSP Group Id (Prime Foreign)

Profile Production Run Number (Foreign Key)

4.70 Entity : 'SSR Run GSP Group Period'

Description :

Holds information associated with each settlement period of an SSR run for a GSP Group. The factor by which the total deemed take for each Supplier, calculated by ISRA, must be corrected in order to equal the GSP Group Take from the GSPs in the GSP Group. The GSP Group Correction Factor for a Settlement Period is derived from the total take for the GSP Group and the aggregated consumption. The total take for a GSP Group for a Settlement Period is supplied by the SSA.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

SSR Run Number (Prime Foreign)

GSP Group Id (Prime Foreign)

Settlement Period Id (Prime Foreign)

Settlement Date (Foreign)

GSP Group Correction Factor

Total Period Weighted Consumption

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Total Period NPG Spill

4.71 Entity : 'SSR Run LLF File'

Description :

When an SSR Run is performed, this entity is used to hold the unique reference for each file of Line Loss Factors used in the SSR Run that were submitted by the Distributors participating in the GSP Group on the Settlement Date of the SSR Run.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

SSR Run Number (Prime Foreign)

GSP Group Id (Prime Foreign)

Data File Sequence Number (Prime Foreign)

4.72 Entity : 'Standard Settlement Configuration'

Description :

A standard configuration, supported by Initial Interim (II)[1], Final Initial Settlement (SF) and Reconciliationwhich Metering Systems may assume, comprising a set of Time Pattern Regimes, which together ensure that the Metering System is measuring consumption at all times and is not measuring more than once at any time.

Settlement Configurations only apply to Non HH Metering Systems, which record consumption (active import) and generation (active export). A Standard Settlement Configuration comprises the set of Time Pattern Regimes which ensures that consumption is measured without duplication at all times.

[1]There is no II data for Settlement Days before the P253 Settlement Date

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

Standard Settlement Configuration Id (Prime Key)

Tele-switch Group Id (Foreign key, Optional)

Tele-Switch User Id (Foreign key, Optional)

Standard Settlement Configuration Desc

Standard Settlement Configuration Type

Active Flag

4.73 Entity : 'Supplier'

Description :

An organisation that may buy energy through the Pool and supply it to a customer - each supply to a customer being measured by a Metering System. Each such supply must be registered with the Pool through the Supplier's registration of the Metering System.

Aspect :

None

Super Type :

Market Participant Role

Sub Types :

None

Attributes

Market Participant Id (Prime Key)

Market Participant Role Code (Prime Key)

Active Flag

Pool Member Id

4.74 Entity : 'Supplier Data Aggregation'

Description :

A link entity tying a particular Data Aggregator for a Supplier within a GSP Group to a particular Data Aggregation.

Aspect :

None

Super Type :

None

Sub Types :

None

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Attributes

Data Aggregation Run Number (Prime Key)

Data Aggregation Type (Prime Foreign)

GSP Group Id (Prime Foreign)

Data Aggregator Market Participant Id (Prime Foreign)

Data Aggregator Market Participant Role Code (Prime Foreign)

Supplier Market Participant Id (Prime Foreign)

Supplier Market Participant Role Code (Prime Foreign)

Settlement Date (Foreign Key)

Settlement Code (Foreign Key)

Effective From Settlement Date {DAIGG} (Foreign Key)

4.75 Entity : 'Supplier Data Aggregation Used In SSR Run'

Description :

A link entity between the Supplier Data Aggregation and SSR Run entities to reflect that more than one SSR Run may be associated with each occurrence of Supplier Data Aggregation and vice versa.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

GSP Group Id (Prime Foreign)

Data Aggregation Type (Prime Foreign)

Data Aggregation Run Number (Prime Foreign)

SSR Run Number (Prime Foreign)

Data Aggregator Market Participant Id (Prime Foreign)

Data Aggregator Market Participant Role Code (Prime Foreign)

Supplier Market Participant Id (Prime Foreign)

Supplier Market Participant Role Code (Prime Foreign)

4.76 Entity : 'Supplier In GSP Group'

Description :

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The link entity between Suppliers and GSP Groups, reflecting that a Supplier can supply to one or more GSP Groups and that a GSP Group may have one or more Suppliers.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

GSP Group Id (Prime Foreign)

Supplier Market Participant Id (Prime Foreign)

Supplier Market Participant Role Code (Prime Foreign)

Effective From Settlement Date {SIGG} (Prime Key)

Effective To Settlement Date {SIGG} (Optional)

4.77 Entity : 'Supplier Purchase Matrix'

Description :

The Estimated Annual Consumption and Annualised Advance totals for a Supplier for: a GSP Group, Profile Class, Line Loss Factor Class and Measurement Class (collectively known as Settlement Class).

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

GSP Group Id (Prime Foreign)

Data Aggregation Run Number (Prime Foreign)

Line Loss Factor Class Id (Prime Foreign)

Distributor Market Participant Id (Prime Foreign)

Distributor Market Participant Role Code (Prime Foreign)

Data Aggregator Market Participant Id (Prime Foreign)

Data Aggregator Market Participant Role Code (Prime Foreign)

Supplier Market Participant Id (Prime Foreign)

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Supplier Market Participant Role Code (Prime Foreign)

Profile Class Id (Prime Foreign)

Time Pattern Regime Id (Prime Foreign)

Standard Settlement Configuration Id (Prime Foreign)

Data Aggregation Type (Foreign Key)

SPM Total EAC

SPM Total Annualised Advance

SPM Total Unmetered Consumption

SPM Total EAC MSID Count

SPM Total AA MSID Count

SPM Total Unmetered MSID Count

SPM Default EAC MSID Count

SPM Default Unmetered MSID Count

4.78 Entity : 'System Configuration'

Description :

This entity is meant for System Configuration data such as the Id of the Market Participant running the system.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

System Market Participant Id

System Market Participant Role Code

Settlement Day Archive Days

Notes :

Strictly, this should not really be defined as an entity, but has been included at this stage to be able to record configuration-type items that have real-world significance.

4.79 Entity : 'Tele-switch Contact'

Description: One of the logical contacts within each tele-switched meter. The values of Tele-switch Contact Codes permitted by the current tele-switching infrastructure are ‘A’, ‘B’, ‘C’ and ‘D’.

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Aspect:

None

Super Type:

None

Sub Types:

None

Attributes

Tele-switch Contact Code (Prime Key)

4.80 Entity : 'Tele-switch Contact Interval'

Description: An interval of time during which a particular Tele-switch Contact is in a particular state within all metering systems in a particular Tele-switch Group.

Aspect:

None

Super Type:

None

Sub Types:

None

Attributes

Tele-switch Group Id (Prime Key)

Tele-switch User Id (Prime Key)

Tele-switch Contact Code (Prime Foreign)

Tele-switch Start Date and Time {Tele-switch Contact Interval} (Prime Key)

Tele-switch End Date and Time {Tele-switch Contact Interval}

Tele-switch Contact State

4.81 Entity : 'Tele-switch Contact Rule'

Description: The relationship between a Tele-switch Contact and a Tele-switch Register Rule. The Tele-switch Contact Rule can take one of two values:

0 the Tele-switch Register Rule is only satisfied if the Tele-switch Contact is off;

1 the Tele-switch Register Rule is only satisfied if the Tele-switch Contact is on.

Aspect:

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None

Super Type:

None

Sub Types:

None

Attributes

Tele-switch Time Pattern Regime Id (Prime Foreign)

Tele-switch Register Rule Id (Prime Foreign)

Tele-switch Contact Code (Prime Foreign)

Tele-switch Contact Rule

4.82 Entity : 'Tele-switch Group'

Description:

A group of metering systems which are controlled by the same tele-switch messages, and therefore switch at the same times (except for an element of random switching diversity, which is not currently modelled by the settlement process). Each group is controlled by a particular user, i.e. a Tele-switch Service Provider. There are a maximum of 16 users allowed by the tele-switch infrastructure, and a maximum of 256 groups per user.

.

Aspect:

None

Super Type:

None

Sub Types:

None

Attributes

Tele-switch User Id (Prime Key)

Tele-switch Group Id (Prime Key)

4.83 Entity : 'Tele-switch Interval'

Description :

The 'on' interval of a tele-switched Time Pattern Regime. Tele-switch Intervals for a Time Pattern Regime are defined for specific Settlement Day and Time Block (start and end times). The time blocks may not be on a half hour boundary. Tele-switch Intervals are derived from tele-switch instructions and register contact rules. If a tele-switch instruction spans a Settlement Day boundary, it will result in a number of occurrences of Tele-switch Interval.

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Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

Time Pattern Regime Id (Prime Foreign)

Start Time (Prime Key)

Settlement Date (Prime Foreign)

End Time

4.84 Entity : 'Tele-switch Register Rule'

Description: A rule defining when a Tele-switch Time Pattern Regime is on. Most Tele-switch Time Pattern Regimes will have a single Tele-switch Register Rule, with a number of Tele-switch Contact Rule details, allowing the coding of rules such as "register 1 is on when contact A is on and contact B is off".

Defining more than one Tele-switch Register Rule means that the Tele-switch Time Pattern Regime is on when any of the rules is satisfied. This allows the definition of more complex rules such as "register 1 is on when contact D is on, or contact A is on and contact B is off". A Tele-switch Register Rule Id is a number which distinguishes between the different rules associated with a Tele-switch Time Pattern Regime.

Aspect:

None

Super Type :

None

Sub Types :

None

Attributes

Tele-switch Time Pattern Regime Id (Prime Foreign)

Tele-switch Register Rule Id (Prime Key)

4.85 Entity : 'Tele-switch Time Pattern Regime'

Description :

A Time Pattern Regime associated with a tele-switched Standard Settlement Configuration. A Tele-switch Time Pattern Regime can only belong to one Tele-switch Group.

Aspect :

None

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Super Type :

Time Pattern Regime

Sub Types :

None

Attributes

Time Pattern Regime Id (Prime Key)

Tele-switch User Id

Tele-switch Group Id

4.86 Entity : 'Time Block'

Description :

A block of time wholly within one Day.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

Start Time (Prime Key)

End Time (Prime Key)

4.87 Entity : 'Time Pattern Regime'

Description :

A pattern of time representing the periods in a day when a Meter or Settlement Register is recording consumption. Each Time Pattern Regime is either controlled by a predefined set of Clock Intervals, or through Tele-switching intervals.

Aspect :

None

Super Type :

None

Sub Types :

Tele-switch Time Pattern Regime

Clock Time Pattern Regime

Attributes

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Time Pattern Regime Id (Prime Key)

GMT/Local Time Indicator

Active Flag

4.88 Entity : 'Valid Measurement Requirement Profile Class'

Description :

A Measurement Requirement within a valid Standard Settlement Configuration and Profile Class set.

Aspect :

None

Super Type :

None

Sub Types :

None

Attributes

Standard Settlement Configuration Id (Prime Foreign)

Time Pattern Regime Id (Prime Foreign)

Profile Class Id (Prime Foreign)

Effective From Settlement Date {VSCPC} (Prime Foreign)

Switched Load Indicator

4.89 Entity : 'Valid Settlement Configuration Profile Class'

Description :

A rule defining the valid Standard Settlement Configurations for a Profile Class.

None

Super Type :

None

Sub Types :

None

Attributes

Profile Class Id (Prime Foreign)

Standard Settlement Configuration Id (Prime Foreign)

Effective From Settlement Date {VSCPC} (Prime Key)

Effective To Settlement Date {VSCPC} (Optional)

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5 Data Catalogue

5.1 Data Item : 'AA/EAC Indicator'

Description :

Bi-state indicator defining, for a non-half hourly metered Consumption Component Class, whether the profiled consumption is based on an Annualised Advance or an Estimated Annual Consumption.

Attributes :

AA/EAC Indicator - Consumption Component Class

Validation :

Values 'A' (for AA) or 'E' (for EAC)

Logical Format :

CHAR(1)

5.2 Data Item : 'Active Flag'

Description :

Used on entities for which Logical deletion is implemented. These entities are never actually deleted, but are marked as deleted by setting Active flag to False.

In general entities with Active Flag false will appear to the use as if they have been deleted. They will be excluded from most functions. The only exception is where historic data has a foreign key link to a logically deleted entity, in this case the link may still be used for reporting/re-running of functions.

If having marked an entity as Logically deleted, a user creates a new entity with the same ID as the Logically Deleted one, then this will be treated as the same instance of the entity as the original one. ie historic foreign key links will access the new copy of the entity. Thus an ID should only be re-used if it is desired that the new instance of the entity with that ID is effectively the same instance as the one logically deleted earlier.

Attributes :

Data Aggregator - Active Flag

Distributor - Active Flag

Line Loss Factor Class - Active Flag

Market Participant - Active Flag

Market Participant Role - Active Flag

Profile - Active Flag

Profile Class - Active Flag

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Supplier - Active Flag

Standard Settlement Configuration - Active Flag

Time Pattern Regime - Active Flag

Validation :

None

Logical Format :

BOOLEAN

5.3 Data Item : 'Actual Noon Temperature'

Description :

The arithmetic average of noon temperature as measured at representative weather stations within the GSP Group area.

Attributes :

Actual Noon Temperature - Daily Profile Parameters

Validation :

None

Logical Format :

NUM(4,1)

5.4 Data Item : 'Actual/Estimated Indicator'

Description :

Bi-state indicator showing whether a Consumption Component Class pertains to actual or estimated half hourly meter data.

Attributes :

Actual/Estimated Indicator - Consumption Component Class

Validation :

Values 'A' (for Actual), 'E' (for Estimated)

Logical Format :

CHAR(1)

5.5 Data Item : 'Aggregated BM Unit Demand Disconnection Energy'

Description :

The Demand Disconnection energy, before GSP Group Correction, summed for a Supplier by BM Unit and Consumption Component Class within a GSP Group and Settlement Period.

Attributes :

Aggregated BM Unit Energy - Aggregated Supplier DA Period Disconnection Volume

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Aggregated BM Unit Energy - Aggregated BM Unit Period Disconnection Volume

Validation :

None

Logical Format :

NUM(14,4)

External Format: NUM(14,4)

5.6 Data Item : 'Aggregated BM Unit Energy'

Description :

The total consumption for a BM Unit for Supplier in GSP Group within a Consumption Component Class within a Settlement Period before GSP Group Correction is applied.

Attributes :

Aggregated BM Unit Energy - Aggregated Supplier DA Period Consumption

Aggregated BM Unit Energy - Aggregated BM Unit Period Consumption

Validation :

None

Logical Format :

NUM(14,4)

External Format: NUM(14,4)

5.7 Data Item : 'Aggregated BM Unit Demand Disconnection Line Losses'

Description :

The estimate of the Demand Disconnection energy, before GSP Group Correction, lost due to line and transformer loss incurred transferring energy between a Grid Supply Point and a metering system, summed for a Supplier by BM Unit and Consumption Component Class within a GSP Group and Settlement Period.

Attributes :

Aggregated BM Unit Line Losses - Aggregated Supplier DA Period Disconnection Volume

Aggregated BM Unit Line Losses - Aggregated BM Unit Period Disconnection Volume

Validation :

None

Logical Format :

NUM(14,4)

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External Format: NUM(14,4)

5.8 Data Item : 'Aggregated BM Unit Line Losses'

Description :

The total line and transformer loss incurred transferring energy between the GSPs and customers for a BM Unit for Supplier in GSP Group within a Consumption Component Class within a Settlement Period before GSP Group Correction is applied.

Attributes :

Aggregated BM Unit Line Losses - Aggregated Supplier DA Period Consumption

Aggregated BM Unit Line Losses - Aggregated BM Unit Period Consumption

Validation :

None

Logical Format :

NUM(14,4)

External Format: NUM(14,4)

5.9 Data Item : 'Aggregated Supplier Consumption'

Description :

The sum of the Supplier Consumption for a GSP Group and Consumption Component Class prior to GSP Group Correction.

Attributes :

Aggregated Supplier Consumption - Aggregated Supplier DA Period Consumption

Aggregated Supplier Consumption - Aggregated Supplier Period Consumption

Validation :

None

Logical Format :

NUM(14,4)

External Format: NUM(13,3)

5.10 Data Item : 'Aggregated Supplier Line Loss'

Description :

The total line and transformer loss incurred transferring energy between the GSPs and customers for a Supplier within a GSP Group and Consumption Component Class within Settlement Period.

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Attributes :

Aggregated Supplier Line Loss - Aggregated Supplier DA Period Consumption

Aggregated Supplier Line Loss - Aggregated Supplier Period Consumption

Validation :

None

Logical Format :

NUM(14,4)

External Format: NUM(13,3)

5.11 Data Item : 'Aggregated Supplier MSID Count'

Description :

The count of Metering Systems for a Supplier within a GSP Group and Consumption Component Class within a Settlement Period.

Attributes :

Aggregated Supplier MSID Count - Aggregated Supplier Period Consumption

Validation :

None

Logical Format :

INT(8)

5.12 Data Item : 'Average Fraction of Yearly Consumption'

Description :

The estimated fraction of consumption for metering systems in the Profile Class and Standard Settlement Configuration which belongs to the particular Measurement Requirement and GSP Group.

Attributes :

Average Fraction of Yearly Consumption - Average Fraction Of Yearly Consumption

Validation :

Number greater or equal to 0 and less than or equal to 1.

Logical Format :

NUM(7,6)

5.13 Data Item : 'Basic Period Profile Coefficient'

Description :

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A basic profile coefficient which, when multiplied by an estimate of annual consumption, produces an estimate of consumption for a metering system register in a Settlement Period.

Attributes :

Basic Period Profile Coefficient - Basic Period Profile Coefficient

Validation :

None

Logical Format :

NUM(13,13)

5.14 Data Item : 'BM Unit Id'

Description :

The basic unit of trade for Balancing Mechanism action. A BM Unit is the smallest number of Meter Points for which metered data is available to the Settlement Administration Agent.

Attributes :

BM Unit Id - BM Unit for Supplier in GSP Group

SSR Run BM Unit Id - Aggregated BM Unit Period Consumption

BM Unit Id - Non-Half Hourly BM Unit Allocation

BM Unit Id as Specified by HH Data Aggregator - Aggregated Supplier DA Period Consumption

Logical Format :

CHAR(11)

5.15 Data Item : 'BM Unit Id as Specified by HH Data Aggregator'

Description :

This is a synonym of BM Unit Id.

Attributes :

See BM Unit Id.

5.16 Data Item : 'CCC Aggregated Supplier Consumption'

Description :

A derived data item created by summing the Aggregated Supplier Consumption across all Consumption Component Classes.

Attributes :

None

Logical Format :

NUM(13,3)

5.17 Data Item : 'CCC Aggregated Supplier Line Loss'

Description :

A derived data item created by summing the Aggregated Supplier Line Loss across all Consumption Component Classes.

Attributes :

None

Logical Format :

NUM(13,3)

5.18 Data Item : 'CCC Corrected Supplier Consumption'

Description :

A derived data item created by summing the Corrected Supplier Consumption across all Consumption Component Classes.

Attributes :

None

Logical Format :

NUM(13,3)

5.19 Data Item : 'CCC Corrected Supplier Line Loss'

Description :

A derived data item created by summing the Corrected Supplier Line Loss across all Consumption Component Classes.

Attributes :

None

Logical Format :

NUM(13,3)

5.20 Data Item : 'CDCA Set Number'

Description :

The unique set number generated for a CDCA settlement run within a Settlement Day. This data item replaces data item 'SSA Settlement Run Number' for Settlement Days from the start of the NETA. For backwards compatibility, the attributes and logical format of the SSA Settlement Run Number are retained for this data item.

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5.21 Data Item : 'CDCA Settlement Date'

Description :

The Settlement Date for which a CDCA settlement run is performed. This data item replaces data item 'SSA Settlement Date' for Settlement Days from the start of the NETA. For backwards compatibility, the attributes and logical format of the SSA Settlement Date are retained for this data item.

5.22 Data Item : 'CDCA Extract Number'

Description :

The CDCA Extract Number used as a basis of the Settlement Run. This data item replaces data item 'CDCS Extract Number' for Settlement Days from the start of the NETA. For backwards compatibility, the attributes and logical format of the CDCS Extract Number are retained for this data item.

5.23 Data Item : 'CDCS Extract Number'

Description :

The CDCS Extract Number used as a basis of the Settlement Run. (Usually CDCS Extract Number and SSA Settlement Run Number will be the same.) This data item is replaced by data item 'CDCA Extract Number' for Settlement Days from the start of the NETA.

Attributes :

CDCS Extract Number - SSA Settlement Run

Validation :

None

Logical Format :

INT(2)

5.24 Data Item : 'Change Date'

Description :

The date on which clocks go forward or back to cater for daylight saving time.

Attributes :

Change Date - Clock Time Change

Validation :

None

Logical Format :

DATE

5.25 Data Item : 'Consumption Component Class Id'

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Description :

The unique identifier for a Consumption Component Class.

Attributes :

Consumption Component Class Id - Consumption Component Class

Consumption Component Class Id - Aggregated Supplier DA Period Consumption

Consumption Component Class Id - GSP Group Correction Scaling Factor

Consumption Component Class Id - GSP Group Correction Scaling Factor used in SSR Run

Consumption Component Class Id - Aggregated Supplier Period Consumption

Consumption Component Class Id - Aggregated BM Unit Period Consumption

Validation :

Value in Entity Consumption Component Class.

Logical Format :

INT(2)

5.26 Data Item : 'Consumption Component Indicator'

Description :

A tri-state data item which shows whether a Consumption Component Class can be categorised by:

a) Metering System Specific Line Loss,

b) Class Specific Line Loss,

c) Consumption.

Attributes :

Consumption Component Indicator - Consumption Component Class

Validation :

Values 'M' (Metering System Specific Line Loss), 'L' (Class Specific Line Loss), 'C' (Consumption).

Logical Format :

CHAR(1)

5.27 Data Item : 'Completed Run Indicator'

Description :

Indicates whether any SSR Runs have taken place for a Settlement.

Attributes :

None

Validation :

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None

Logical Format :

BOOLEAN

5.28 Data Item : 'Consumption Component Indicator'

Description :

A tri-state data item which shows whether a Consumption Component Class can be categorised by:

a) Metering System Specific Line Loss,

b) Class Specific Line Loss,

c) Consumption.

Attributes :

Consumption Component Indicator - Consumption Component Class

Validation :

Values 'M' (Metering System Specific Line Loss), 'L' (Class Specific Line Loss), 'C' (Consumption).

Logical Format :

CHAR(1)

5.29 Data Item : 'Corrected BM Unit Energy'

Description :

For a half hour period, the amount of energy attributed to a BM Unit for Supplier in GSP Group within a Consumption Component Class after GSP Group Correction has been applied.

Attributes :

Corrected BM Unit Energy - Aggregated BM Unit Period Consumption

Validation :

None

Logical Format :

NUM(14,4)

External Format: NUM(14,4)

5.30 Data Item : 'Corrected BM Unit Line Losses'

Description :

For a half hour period, the deemed line loss which has been attributed a BM Unit for Supplier in GSP Group within a Consumption Component Class.

Attributes :

Corrected BM Unit Line Losses - Aggregated BM Unit Period Consumption

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Validation :

None

Logical Format :

NUM(14,4)

External Format: NUM(14,4)

5.31 Data Item : 'Corrected Supplier Consumption'

Description :

For a half hour period, the amount of energy attributed to a Supplier, within a Consumption Component Class and GSP Group, after GSP Group Correction has been applied.

Attributes :

Corrected Supplier Consumption - Aggregated Supplier Period Consumption

Validation :

None

Logical Format :

NUM(14,4)

External Format: NUM(13,3)

5.32 Data Item : 'Corrected Supplier Line Loss'

Description :

For a half hour period, the deemed line loss which has been attributed to a Supplier, within a Consumption Component Class and GSP Group.

Attributes :

Corrected Supplier Line Loss - Aggregated Supplier Period Consumption

Validation :

None

Logical Format :

NUM(14,4)

External Format: NUM(13,3)

5.33 Data Item : 'DA SPM Total Annualised Advance'

Description :

A derived item created by summing the SPM Total Annualised Advance provided by a Data Aggregator over all Settlement Classes.

Attributes :

None

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Validation :

None

Logical Format :

NUM(13,3)

5.34 Data Item : 'DA SPM Total EAC'

Description :

A derived date item created by summing the SPM Total EAC provided by a Data Aggregator over all Settlement Classes.

Attributes :

None

Validation :

None

Logical Format :

NUM(13,3)

5.35 Data Item : 'DA SPM Total Unmetered Consumption'

Description :

A derived item created by summing the SPM Total Unmetered Consumption provided by a Data Aggregator over all Settlement Classes.

Attributes :

None

Validation :

None

Logical Format :

NUM(13,3)

5.36 Data Item : 'Daily Aggregated BM Unit Energy'

Description :

A derived item for the daily Aggregated BM Unit Energy for a BM Unit for Supplier in GSP Group within a Consumption Component Class for a Settlement Day. It is derived from:

Sum (over all Settlement Periods in a day) Aggregated BM Unit Energy.

Attributes :

None.

Validation :

None

Logical Format :

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NUM(14,4)

External Format (14,4)

5.37 Data Item : 'Daily Aggregated BM Unit Line Losses'

Description :

A derived item for the daily Aggregated BM Unit Line Losses for a BM Unit for Supplier in GSP Group within a Consumption Component Class for a Settlement Day. It is derived from:

Sum (over all Settlement Periods in a day) Aggregated BM Unit Line Losses.

Attributes :

None.

Validation :

None

Logical Format :

NUM(14,4)

External Format (14,4)

5.38 Data Item : 'Daily CCC Aggregated Supplier Consumption'

Description :

A derived data item created by summing the Aggregated Supplier Consumption for a Supplier across all Settlement Periods. For the Deemed Take Report this is further summed across Consumption Component Classes.

Attributes :

None

Logical Format :

NUM(13,3)

5.39 Data Item : 'Daily CCC Aggregated Supplier Line Loss'

Description :

A derived data item created by summing the Aggregated Supplier Line Loss for a Supplier across all Settlement Periods. For the Deemed Take Report this is further summed across Consumption Component Classes.

Attributes :

None

Logical Format :

NUM(13,3)

5.40 Data Item : 'Daily CCC Corrected Supplier Consumption'

Description :

A derived data item created by summing the Corrected Supplier Consumption for a Supplier across all Settlement Periods. For the Deemed Take Report this is further summed across Consumption Component Classes.

Attributes :

None

Logical Format :

NUM(13,3)

5.41 Data Item : 'Daily CCC Corrected Supplier Line Loss'

Description :

A derived data item created by summing the Corrected Supplier Line Loss for a Supplier across all Settlement Periods. For the Deemed Take Report this is further summed across Consumption Component Classes.

Attributes :

None

Logical Format :

NUM(13,3)

5.42 Data Item : 'Daily Corrected BM Unit Energy'

Description :

A derived item for the daily Corrected BM Unit Energy for a BM Unit for Supplier in GSP Group within a Consumption Component Class for a Settlement Day. It is derived from:

Sum (over all Settlement Periods in a day) Corrected BM Unit Energy.

Attributes :

None.

Validation :

None

Logical Format :

NUM(14,4)

External Format (14,4)

5.43 Data Item : 'Daily Corrected BM Unit Line Losses'

Description :

A derived item for the daily Corrected BM Unit Line Losses for BM Unit for Supplier in GSP Group within a Consumption Component Class for a Settlement Day. It is derived from:

Sum (over all Settlement Periods in a day) Corrected BM Unit Line Losses.

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Attributes :

None.

Validation :

None

Logical Format :

NUM(14,4)

External Format (14,4)

5.44 Data Item : 'Daily Corrected Supplier Deemed Take

Description :

A derived item for the daily corrected supplier Deemed Take for a Supplier in a GSP Group, for a Settlement Day. It is derived from:

Sum (over all Settlement Periods in a day) Period Corrected Supplier Deemed Take.

Attributes :

None

Validation :

None (See Description.)

Logical Format :

NUM(13,3)

5.45 Data Item : 'Daily Corrected Supplier Purchase Total'

Description :

A derived item for the daily total purchases, attributable to supplies which are subject to group correction, by a Supplier in a GSP Group, for a Settlement Day. The figure is derived by subtracting the Daily Non-Corrected Supplier Purchase Total from the Daily Supplier Purchase Total. For this subtraction, external data formats are used to ensure that the relation Daily Corrected Supplier Purchase Total + Daily Non-Corrected Supplier Purchase Total = Daily Supplier Purchase Total holds exactly. Units are money (£).

Attributes :

None (See Description.)

Validation :

None

Logical Format :

NUM(15,3)

External format: NUM(14,2)

5.46 Data Item : 'Daily DA Aggregated Supplier Consumption'

Description :

A derived data item created by summing the Aggregated Supplier Consumption across all Settlement Periods per Consumption Component Class per Supplier per Data Aggregator.

Attributes :

None

Logical Format :

NUM(13,3)

5.47 Data Item : 'Daily DA Aggregated Supplier Line Loss'

Description :

A derived data item created by summing the Aggregate Supplier Line Loss across all Settlement Periods per Consumption Component Class per Supplier per Data Aggregator.

Attributes :

None

Logical Format :

NUM(13,3)

5.48 Data Item : 'Daily GSP Group Purchases'

Description :

As for Daily GSP Group Total Purchases except that it relates to an SSA Run. This data item is redundant for CDCA Settlement Dates on or after the NETA Start Date.

Attributes :

Daily GSP Group Purchases - SSA Settlement GSP Group

Validation :

None

Logical Format :

NUM(15,3)

External Format: NUM(14,2)

5.49 Data Item : 'Daily GSP Group Take'

Description :

A derived item for the daily GSP Group Take for a GSP Group for a Settlement Day. It is derived from:

Sum (over all Settlement Periods in a day) GSP Group Take.

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Attributes :

None

Validation :

None

Logical Format :

NUM(13,3)

5.50 Data Item : 'Daily GSP Group Total Purchases'

Description :

A derived value of the total expected purchases for a GSP Group in a Settlement Day. It is derived from:

Sum (over all Settlement Periods, j, in the Day) of GSP Group Takej * (1+TLMj) * (1+LRMj) *PSPj.

Where j is the Settlement Period Id, TLM is Transmission Loss Multiplier, LRM is Transmission Loss Reconciliation Multiplier and PSP is Pool Selling Price.

Attributes :

None. (See description for derivation.)

Validation :

None

Logical Format :

NUM(14,2)

5.51 Data Item : 'Daily Non-Corrected Supplier Deemed Take

Description :

A derived item for the daily non-corrected supplier Deemed Take for a Supplier in a GSP Group, for a Settlement Day. It is derived from:

Sum (over all Settlement Periods in a day) Period Non-Corrected Supplier Deemed Take.

Attributes :

None. (See Description.)

Validation :

None

Logical Format :

NUM(13,3)

5.52 Data Item : 'Daily Non-Corrected Supplier Purchase Total'

Description :

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A derived item for the daily total purchases, attributable to supplies which are not subject to group correction, by a Supplier in a GSP Group, for a Settlement Day. Derived by :

- summing Aggregated Supplier Consumption and Line Loss across Consumption Component Classes which are not subject to Group Correction to give Non-corrected deemed take for a half hour for a Supplier and GSP Group.
- deriving Non-corrected purchases for the half hour and supplier as follows:

  Non-corrected deemed take * PSP * (1 + TLM) * (1 + LRM)

  where PSP (Pool Selling Price), TLM (Transmission Loss Multiplier) and LRM (Transmission Losses Reconciliation Multiplier) are as currently specified.
- summing the half-hourly purchases.

Units are money (£).

Attributes :

None. (See Description.)

Validation :

None

Logical Format :

NUM(15,3)

External format: NUM(14,2)

5.53 Data Item : 'Daily Period BM Unit Total Allocated Volume'

Description :

A derived item for the daily BM Unit total allocated volume for a BM Unit for a Settlement Day. It is derived from:

Sum (over all Settlement Periods in a day) Period BM Unit Total Allocated Volume.

Attributes :

None.

Validation :

None

Logical Format :

NUM(14,4)

External Format (14,4)

5.54 Data Item : 'Daily Profile Coefficient'

Description :

The sum of all Period Profile Class Coefficients for a Settlement Day, within GSP Group, for a Profile Class and Measurement Requirement combination.

Attributes :

Daily Profile Coefficient - Daily Profile Coefficient

Validation :

None

Logical Format :

NUM(14,13)

Notes :

Typical value = 1/365, but can be negative exceptionally

5.55 Data Item : 'Daily Profiled SPM Total Actual Consumption'

Description :

A derived data item created by summing the Profiled SPM Total Annualised Advance for a Settlement Class over all Settlement Periods

Attributes :

None

Logical Format :

NUM(13,3)

5.56 Data Item : 'Daily Profiled SPM Total Estimated Consumption'

Description :

A derived data item created by summing all Profiled SPM Total EAC and Profiled SPM Total Unmetered Consumption for a Settlement Class over all Settlement Periods

Attributes :

None

Logical Format :

NUM(13,3)

5.57 Data Item : 'Daily Supplier Deemed Take'

Description :

A derived item for the daily supplier Deemed Take for a Supplier in a GSP Group, for a Settlement Day. It is derived from:

Sum (over all Settlement Periods in a day) Period Supplier Deemed Take.

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Attributes :

None

Validation :

None

Logical Format :

NUM(13,3)

5.58 Data Item : 'Daily Supplier Purchase Total'

Description :

A derived item for the daily total purchases by a Supplier in a GSP Group, for a Settlement Day, derived from:

Sum (over all Settlement Periods in a Day) Period Supplier Purchase Total.

Attributes :

None. (See Description.)

Validation :

None

Logical Format :

NUM(15,3)

External format: NUM(14,2)

5.59 Data Item : 'Daily Supplier Weighted Consumption '

Description :

A derived item created by summing the Supplier Period Weighted Consumption across all Settlement Periods:

Attributes :

None. (See Description.)

Validation :

None

Logical Format :

NUM(14,4)

External Format: (13,3)

5.60 Data Item : 'Daily Unadjusted Supplier Deemed Take'

Description :

A derived item for the daily Unadjusted Supplier Deemed Take for a Supplier in a GSP Group, for a settlement day. It is derived from:

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SUM(over all Settlement Periods in a day) Unadjusted Supplier Deemed Take.

Attributes :

None

Validation :

None

Logical Format :

NUM(13,3)

5.61 Data Item : 'Daily Uncorrected Period BM Unit Total Allocated Volume'

Description :

A derived item for the daily uncorrected BM Unit total allocated volume for a BM Unit for a Settlement Day. It is derived from:

Sum (over all Settlement Periods in a day) Uncorrected Period BM Unit Total Allocated Volume.

Attributes :

None.

Validation :

None

Logical Format :

NUM(14,4)

External Format (14,4)

5.62 Data Item : 'Data Aggregation Run Number'

Description :

The unique number allocated to a data aggregation run by a Data Aggregator.

Attributes :

Data Aggregation Run Number - Supplier Data Aggregation

Data Aggregation Run Number - Supplier Purchase Matrix

Data Aggregation Run Number - Aggregated Supplier DA Period Consumption

Data Aggregation Run Number - Supplier Data Aggregation Used In SSR Run

Validation :

Integer greater than 0.

Logical Format :

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INT(7)

5.63 Data Item : 'Data Aggregation Type'

Description :

An indicator of what type of aggregation a particular Data Aggregator is performing - half hourly or non-half hourly.

Attributes :

Data Aggregation Type - Consumption Component Class

Data Aggregation Type - Data Aggregator In GSP Group

Data Aggregation Type - Supplier Data Aggregation

Data Aggregation Type - Supplier Purchase Matrix

Data Aggregation Type - Aggregated Supplier DA Period Consumption

Data Aggregation Type - Supplier Data Aggregation Used In SSR Run

Validation :

Values 'H' (Half-Hourly) or 'N' (Non Half-Hourly)

Logical Format :

CHAR(1)

5.64 Data Item : 'Data Aggregator Disconnected HH MSID Count'

Description :

The count of disconnected Half Hourly metering systems by Data Aggregator, Consumption Component Class and Supplier in a GSP Group. The count is supplied by the Data Aggregator with which those Metering Systems are registered.

Attributes :

Data Aggregator disconnected HH MSID Count - Aggregated Supplier DA Period Disconnection Volume

Validation :

Integer equal to or greater than 0.

Logical Format :

INT(10)

5.65 Data Item : 'Data Aggregator HH MSID Count'

Description :

The count of half hourly metering systems for each Settlement Period by Consumption Component Class and Supplier within GSP Group. The count is supplied by the Data Aggregator with which those Metering Systems are registered.

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Attributes :

Data Aggregator HH MSID Count - Aggregated Supplier DA Period Consumption

Validation :

Integer equal to or greater than 0.

Logical Format :

INT(10)

5.66 Data Item : 'Data Aggregator Id'

Description :

The unique national identifier for a Data Aggregator company.

This is a compound item made up of Market Participant Role Code (for Aggregator) and Market Participant Id.

Attributes :

None

5.67 Data Item : 'Data Aggregator Market Participant Id'

Description :

This is a synonym of Market Participant Id.

Attributes :

See Market Participant ID

5.68 Data Item : 'Data Aggregator Market Participant Role Code

Description :

This is a synonym of Market Participant Role Code.

Attributes :

See Market Participant Role Code

5.69 Data Item : 'Data Aggregator Name'

Description :

The name of a Data Aggregator.

Attributes :

None

Synonyms :

Synonym of Market Participant Name.

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5.70 Data Item : 'Data Collector Id'

Description :

The unique national identifier for a Data Collection company.

This is a compound item made up of Market Participant Role Code (for Data Collector) and Market Participant Id.

Attributes :

None

5.71 Data Item : 'Data Collector Market Participant Id'

Description :

This is a synonym of Market Participant Id.

Attributes :

See Market Participant ID

5.72 Data Item : 'Data Collector Market Role Code

Description :

This is a synonym of Market Participant Role Code.

Attributes :

See Market Participant Role Code

5.73 Data Item : 'Data Collector Name'

Description :

The name of a Data Collection company.

Attributes :

None

Synonyms :

Synonym of Market Participant Name.

5.74 Data Item : 'Data File Sequence Number'

Description :

Sequence number that uniquely identifies each data file to or from each Market Participant. (There are logically separate sequences for sent and received files.) This artificial number is used as there is no natural id for a data file that does not include optional attributes.

Attributes :

Data File Sequence Number - Data File

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Validation :

Generated sequence from 1 for each combination of sending to and receiving from each Market Participant.

Logical Format :

INT(6)

Notes :

Although it is not necessary to constrain the length of this item to 6, this length has been chosen to be the same as that for Instruction Files.

5.75 Data Item : 'Day of the Week Id'

Description :

A code representing a particular day of the week.

Attributes :

Day of the Week Id - Day Of The Week

Day of the Week Id - Clock Interval

Validation :

Integer greater than or equal to 1 (Monday) and less than or equal to 7 (Sunday).

Logical Format :

INT(1)

5.76 Data Item : 'Day Type Id'

Description :

System identifier for the type of settlement day.

Attributes :

Day Type Id - Day Type

Day Type Id - Profile Regression Equation Set

Day Type Id - Settlement Day

Day Type Id - Period Regression Equation

Day Type Id - Regression Coefficient

Validation :

Value in Entity Day Type, eg 'WE' Weekday, 'SA' Saturday, ‘GF’ Good Friday.

Logical Format :

CHAR(2)

Notes :

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Descriptions for these Ids are not maintained. The codes relate to

Weekday; Saturday; Sunday; and various Bank Holidays.

5.77 Data Item : 'Default BM Unit Flag'

Description :

Used on the BM Unit For Supplier In GSP Group entity to denote the BM Unit chosen as the default for consumption data that has not been explicitly assigned to a BM Unit for a particular Supplier in a GSP Group.

The flag may only be set to true for one BM Unit for any one Supplier and GSP Group on any one Settlement Day.

Attributes :

BM Unit For Supplier In GSP Group - Default BM Unit Flag

Validation :

None

Logical Format :

BOOLEAN

5.78 Data Item : 'Default BM Unit Reason Code'

Description :

The reason why the Settlement Run excluded the energy values for a BM Unit or used the Default BM Unit for Supplier in GSP Group when aggregating HH data.

Attributes :

Default BM Unit Reason Code - Aggregated Supplier Period Consumption

Validation :

None

Logical Format :

CHAR(2)

5.79 Data Item : 'Direction of energy flow'

Description :

A bi-state data item indicating whether the energy flow is import or export. Energy consumption is (Active) Import or Non-Pooled Generation is (Active) Export.

Attributes :

Direction of energy flow - Measurement Quantity

Validation :

Values 'I' (Import), 'E' (Export).

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Logical Format :

CHAR(1)

5.80 Data Item : 'Distributor Id'

Description :

The unique national identifier for a Distributor. This is a compound item made up of Market Participant Role Code (for Distributor) and Market Participant Id.

Attributes :

None

5.81 Data Item : 'Distributor Market Participant Id'

Description :

This is a synonym of Market Participant Id.

Attributes :

See Market Participant ID

5.82 Data Item : 'Distributor Market Participant Role Code

Description :

This is a synonym of Market Participant Role Code.

Attributes :

See Market Participant Role Code

5.83 Data Item : 'Distributor Name'

Description :

The name of a Distributor.

Attributes :

None

Synonyms :

Synonym of Market Participant Name.

5.84 Data Item : 'DPM Default EAC MSID Count'

Description :

The number of default EACs that had to be used in the calculation of a Disconnection Purchase Matrix's DPM Total EAC.

Attributes :

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DPM Default EAC MSID Count - Disconnection Purchase Matrix

Validation :

Integer greater than or equal to 0.

Logical Format :

INT(8)

5.85 Data Item : 'DPM Default Unmetered MSID Count'

Description :

The number of default EACs that had to be used in the calculation of a Disconnection Purchase Matrix's DPM Total Unmetered Consumption.

Attributes :

DPM Default Unmetered MSID Count - Disconection Purchase Matrix

Validation :

Integer greater than or equal to zero.

Logical Format :

INT(8)

5.86 Data Item : 'DPM Total AA MSID Count'

Description :

The count of disconnected NHH metering systems whose consumption is based on an Annualised Advance (AA) and which are not de-energised with a zero AA for all Settlement Registers.

Attributes :

DPM Total AA MSID Count - Disconnection Purchase Matrix

Validation :

Integer greater than or equal to zero.

Logical Format :

INT(8)

5.87 Data Item : 'DPM Total EAC MSID Count'

Description :

The count of disconnected Non-Half Hourly metering systems whose consumption is based on an Estimated Annual Consumption. It is for a given Supplier and Settlement Class within a GSP Group for a Settlement Run.

Attributes :

DPM Total EAC MSID Count - Disconnection Purchase Matrix

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Validation :

Integer greater than or equal to zero.

Logical Format :

INT(8)

5.88 Data Item : 'DPM Total Annualised Advance'

Description :

The sum of Annualised Advances for a cell of the Disconnection Purchase Matrix.

Attributes :

DPM Total Annualised Advance - Disconnection Purchase Matrix

Validation :

None

Logical Format :

NUM(14,4)

External Format: NUM(13,3)

5.89 Data Item : 'DPM Total EAC'

Description :

The sum of estimated annual consumptions for disconnected metering systems with a metered measurement class contributing to a Disconnection Purchase Matrix.

Attributes :

DPM Total EAC - Disconnection Purchase Matrix

Validation :

None.

Logical Format :

NUM(14,4)

External Format: NUM(14,4)

5.90 Data Item : 'DPM Total EAC MSID Count'

Description :

The count of disconnected Non-Half Hourly metering systems whose consumption is based on an Estimated Annual Consumption. It is for a given Supplier and Settlement Class within a GSP Group for a Settlement Run.

Attributes :

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DPM Total EAC MSID Count - Disconnection Purchase Matrix

Validation :

Integer greater than or equal to zero.

Logical Format :

INT(8)

5.91 Data Item : 'DPM Total Unmetered Consumption'

Description :

The sum of estimated annual consumptions for disconnected metering systems with an unmetered measurement class contributing to a Disconnection Purchase Matrix.

Attributes :

DPM Total Unmetered Consumption - Disconnection Purchase Matrix

Validation :

None.

Logical Format :

NUM(14,4)

External Format: NUM(13,3)

5.92 Data Item : 'DPM Total Unmetered MSID Count'

Description :

The number of disconnected metering systems contributing to a Disconnection Purchase Matrix's total unmetered consumption.

Attributes :

DPM Total Unmetered MSID Count - Disconnection Purchase Matrix

Validation :

Integer greater than or equal to zero.

Logical Format :

INT(8)

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5.93 Data Item : 'Effective From Date {DCIGG}'

Description :

The inclusive calendar date from which a Data Collector begins operating in a GSP Group.

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Attributes :

Effective From Date {DCIGG} - Data Collector in GSP Group

Validation :

None

Logical Format :

DATE

5.94 Data Item : 'Effective From Date {GG}'

Description :

The inclusive Calendar Date from which the ISR Agent starts to operate in a GSP Group.

Attributes :

Effective From Date {GG} - GSP Group

Logical Format :

DATE

5.95 Data Item : 'Effective From Settlement Date {AFOYCS}'

Description :

The inclusive Settlement Date from which an Average Fraction of Yearly Consumption Set becomes effective.

Attributes :

Effective From Settlement Date {AFOYCS} - Average Fraction Of Yearly Consumption Set

Effective From Settlement Date {AFOYCS} - Average Fraction Of Yearly Consumption

Validation :

None

Logical Format :

DATE

5.96 Data Item : 'Effective From Settlement Date {BMUIGG}'

Description :

The inclusive Settlement Date from which a BM Unit for a Supplier and GSP Group combination becomes effective.

Attributes :

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Effective From Settlement Date {BMUIGG} - BM Unit For Supplier In GSP Group

Effective From Settlement Date {BMUIGG} - Non-Half Hourly BM Unit Allocation

Validation :

None

Logical Format :

DATE

5.97 Data Item : 'Effective From Settlement Date {DAIGG}'

Description :

The inclusive Settlement Date from which a Data Aggregator begins operating in a GSP Group.

Attributes :

Effective From Settlement Date {DAIGG} - Data Aggregator In GSP Group

Effective From Settlement Date {DAIGG} - Supplier Data Aggregation

Validation :

None

Logical Format :

DATE

5.98 Data Item : 'Effective From Settlement Date {FDEDA}'

Description :

The Settlement Date from which a Final Dispute Expected Data Aggregation definition becomes effective.

Attributes :

Effective From Settlement Date {FDEDA} – Final Dispute Expected Data Aggregation

Validation :

None

Logical Format :

DATE

Notes :

There can only be one Final Dispute Expected Data Aggregation in effect for a specific settlement date.

5.99 Data Item : 'Effective From Settlement Date {GCPCAE}'

Description :

The inclusive Settlement Date from which a Researched Average EAC applies.

Attributes :

None.

Validation :

None

Logical Format :

DATE

5.100 Data Item : 'Effective From Settlement Date {GCPCDE}'

Description :

The inclusive Settlement Date from which a Researched Default EAC applies.

Attributes :

None.

Validation :

None

Logical Format :

DATE

5.101 Data Item : 'Effective From Settlement Date {GGCSF}'

Description :

The inclusive Settlement Date from which a GSP Group Correction Scaling Factor becomes effective.

Attributes :

Effective From Settlement Date {GGCSF} - GSP Group Correction Scaling Factor

Validation :

None

Logical Format :

DATE

Notes :

There must be exactly one GSP Group Correction Scaling Factor in effect for a Consumption Component Class at any one time.

5.102 Data Item : 'Effective From Settlement Date {GGD}'

Description :

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The inclusive Settlement Date from which a Distributor begins operating for a GSP Group.

Attributes :

Effective From Settlement Date {GGD} - GSP Group Distributor

Logical Format :

DATE

Notes :

There must be at least one Distributor operating in each GSP group on any date.

5.103 Data Item : 'Effective From Settlement Date {LLFC}'

Description :

The inclusive Settlement Date from which a Line Loss Factor Class becomes effective.

Attributes :

Effective From Settlement Date {LLFC} - Line Loss Factor Class

Effective From Settlement Date {LLFC} - Settlement Period Line Loss Factor

Effective From Settlement Date {LLFC} - Settlement Class

Validation :

None

Logical Format :

DATE

5.104 Data Item : 'Effective From Settlement Date {NHHBMUA}'

Description :

The inclusive Settlement Date from which a Valid Settlement Configuration Profile Class is allocated to a BM Unit for Supplier in GSP Group.

Attributes :

Effective From Settlement Date {NHHBMUA} - Non-Half Hourly BM Unit Allocation

Validation :

None

Logical Format :

DATE

5.105 Data Item : 'Effective From Settlement Date {PROF}'

Description :

The inclusive Settlement Date from which a Profile becomes effective.

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Attributes :

Effective From Settlement Date {PROF} - Profile

Validation :

None

Logical Format :

DATE

5.106 Data Item : 'Effective From Settlement Date {PSET}'

Description :

The inclusive Settlement Date from which a Profile Set becomes effective.

Attributes :

Effective From Settlement Date {PSET} - Profile Set

Effective From Settlement Date {PSET} - Profile Regression Equation Set

Effective From Settlement Date {PSET} - Period Regression Equation

Effective From Settlement Date {PSET} - Regression Coefficient

Effective From Settlement Date {PSET} - GSP Group Average EAC

Validation :

None

Logical Format :

DATE

Notes :

Only one Profile Set must be effective for a Profile Id on any date.

5.107 Data Item : 'Effective From Settlement Date {SIGG}'

Description :

The inclusive Settlement Date from which a Supplier begins trading in a GSP Group.

Attributes :

Effective From Settlement Date {SIGG} - Supplier In GSP Group

Effective From Settlement Date {SIGG} - Data Aggregator In GSP Group

Validation :

None

Logical Format :

DATE

Notes :

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Only one Supplier In GSP Group can be effective for a GSP Group / Supplier combination on any date.

5.108 Data Item : 'Effective From Settlement Date {VSCPC}'

Description :

The inclusive Settlement Date from which a Valid Settlement Configuration and Profile Class combination becomes effective.

Attributes :

Effective From Settlement Date {VSCPC} - Average Fraction Of Yearly Consumption Set

Effective From Settlement Date {VSCPC} - Average Fraction Of Yearly Consumption

Effective From Settlement Date {VSCPC} - Combined Period Profile Coefficient

Effective From Settlement Date {VSCPC} - Daily Profile Coefficient

Effective From Settlement Date {VSCPC} - Period Profile Class Coefficient

Effective From Settlement Date {VSCPC} - Settlement Class

Effective From Settlement Date {VSCPC} - Valid Measurement Requirement Profile Class

Effective From Settlement Date {VSCPC} - Valid Settlement Configuration Profile Class

Validation :

None

Logical Format :

DATE

Notes :

There can only be one Valid Settlement Configuration Profile Class in effect for any combination of Profile Class Id and Standard Settlement Configuration Id on any date.

5.109 Data Item : 'Effective To Date {DCIGG}'

Description :

The inclusive calendar date after which a Data Collector ceases to operate in a GSP Group.

Attributes :

Effective To Date {DCIGG} - Data Collector in GSP Group

Validation :

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None

Logical Format :

DATE

Notes :

See Effective From Date {DCIGG}

5.110 Data Item : 'Effective To Date {GG}'

Description :

The inclusive Calendar Date after which the ISR Agent ceases to operate in a GSP Group.

Attributes :

Effective To Date {GG} - GSP Group

Validation :

None

Logical Format :

DATE

5.111 Data Item : 'Effective To Settlement Date {AFOYCS}'

Description :

The inclusive Settlement Date after which an Average Fraction of Yearly Consumption Set ceases to be valid.

Attributes :

Effective To Settlement Date {AFOYCS} - Average Fraction Of Yearly Consumption Set

Validation :

None

Logical Format :

DATE

Notes :

See Effective From Settlement Date {AFOYCS}

5.112 Data Item : 'Effective To Settlement Date {BMUIGG}'

Description :

The inclusive Settlement Date after which a BM Unit ceases to operate for a Supplier and GSP Group combination.

Attributes :

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Effective To Settlement Date {BMUIGG} - BM Unit For Supplier In GSP Group

Validation :

None

Logical Format :

DATE

Notes :

See Effective From Settlement Date {BMUIGG}.

5.113 Data Item : 'Effective To Settlement Date {DAIGG}'

Description :

The inclusive Settlement Date after which a Data Aggregator ceases to operate in a GSP Group.

Attributes :

Effective To Settlement Date {DAIGG} - Data Aggregator In GSP Group

Validation :

None

Logical Format :

DATE

Notes :

See Effective From Settlement Date {DAIGG}.

5.114 Data Item : 'Effective To Settlement Date {FDEDA}'

Description :

The Settlement Date after which a Final Dispute Expected Data Aggregation ceases to be used.

Attributes :

Effective To Settlement Date {FDEDA} – Final Dispute Expected Data Aggregation

Validation :

None

Logical Format :

DATE

Notes :

See Effective From Settlement Date {FDEDA}.

5.115 Data Item : 'Effective To Settlement Date {GGD}'

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Description :

The inclusive Settlement Date after which a Distributor ceases to operate for a GSP Group.

Attributes :

Effective To Settlement Date {GGD} - GSP Group Distributor

Validation :

None

Logical Format :

DATE

Notes :

See Effective From Settlement Date {GGD}.

5.116 Data Item : 'Effective To Settlement Date {LLFC}'

Description :

The inclusive Settlement Date after which a Line Loss Factor Class ceases to be valid.

Attributes :

Effective To Settlement Date {LLFC} - Line Loss Factor Class

Validation :

None

Logical Format :

DATE

Notes :

See Effective From Settlement Date {LLFC}.

5.117 Data Item : 'Effective To Settlement Date {NHHBMUA}'

Description :

The inclusive Settlement Date after which a Valid Settlement Configuration Profile Class is no longer allocated to a BM Unit for Supplier in GSP Group.

Attributes :

Effective To Settlement Date {NHHBMUA} - Non-Half Hourly BM Unit Allocation

Validation :

None

Logical Format :

DATE

5.118 Data Item : 'Effective To Settlement Date {PROF}'

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Description :

The inclusive Settlement Date after which a Profile ceases to be valid.

Attributes :

Effective To Settlement Date {PROF} - Profile

Validation :

None

Logical Format :

DATE

Notes :

See Effective From Settlement Date {PROF}

5.119 Data Item : 'Effective To Settlement Date {SIGG}'

Description :

The inclusive Settlement Date after which a Supplier ceases to operate in a GSP Group.

Attributes :

Effective To Settlement Date {SIGG} - Supplier In GSP Group

Validation :

None

Logical Format :

DATE

Notes :

See Effective From Settlement Date {SIGG}.

5.120 Data Item : 'Effective To Settlement Date {VSCPC}'

Description :

The inclusive Settlement Date after which a valid combination of Settlement Configuration and Profile Class ceases to be used.

Attributes :

Effective To Settlement Date {VSCPC} - Valid Settlement Configuration Profile Class

Validation :

None

Logical Format :

DATE

Notes :

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See Effective From Settlement Date {VSCPC}.

5.121 Data Item : 'End Day {Date Block}'

Description :

The day of the month, expressed numerically, on which the end of a Date Block falls.

Attributes :

End Day {Date Block} - Clock Interval

End Day {Date Block} - Date Block

Validation :

See Start Day {Date Block}

Logical Format :

INT(2)

5.122 Data Item : 'End Month {Date Block}'

Description :

The month in which a Date Block ends.

Attributes :

End Month {Date Block} - Date Block

End Month {Date Block} - Clock Interval

Validation :

See Start Month {Date Block}

Logical Format :

INT(2)

5.123 Data Item : 'Estimated HH Demand Disconnection Volume'

Description :

The estimated Half Hour volume of energy disconnected for a Half Hourly Metering System.

Attributes :

Estimated HH Demand Disconnection Volume - Estimated HH Demand Disconnection Volume

Validation :

None

Logical Format :

± NUM(7,1)

5.124 Data Item : ' Estimated HH Demand Side Action Volume'

Description :

The estimated Half Hour volume of energy anticipated to have been delivered by Metering Systems providing voluntary demand side actions to the Transmission Company.

Attributes :

Estimated HH Demand Disconnection Volume - Disconnected MSIDs and Estimated Half Hourly Demand Disconnection Volumes

Validation :

None

Logical Format :

± NUM(7,1)

5.125 Data Item : 'End Time'

Description :

A time at which time-switched metering system registers associated with a Time Pattern Regime are instructed to switch OFF.

Attributes :

End Time - Time Block

End Time - Clock Interval

Validation :

None

Logical Format :

TIME

Notes :

See Start Time.

24:00 is regarded as a valid end time. This allows a continuous interval of 00:00 through 24:00 to be set up.

5.126 Data Item : 'File Content Code'

Description :

Identifies the content of a data file. For example, may be the mnemonic representing the report name.

Attributes :

File Content Code - Data File

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Validation :

Must be code valid to ISRA.

Logical Format :

CHAR(4)

Notes :

The list of actual File Codes used by ISRA is pending.

5.127 Data Item : 'File Creation Timestamp'

Description :

Date and time a file was created or forwarded to the system by an external entity.

Attributes :

File Creation Timestamp - Data File

Validation :

None

Logical Format :

DATETIME

5.128 Data Item : 'File Format Code'

Description :

Format code for a data file.

Attributes :

File Format Code - Data File

Validation :

Initial valid set: 'DAT', 'INS', 'PRT'

Logical Format :

CHAR(3)

5.129 Data Item : 'File Location'

Description :

The location of a file, eg, directory logical name.

Attributes :

File Location - File Location

File Location - Data File

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Validation :

None

Logical Format :

CHAR(250)

Notes :

This attribute is part of a generic model across the different systems. The physical database implementation will depend on the way the functionality is implemented.

There are no space implications in allowing 250 characters as unused characters use no space.

5.130 Data Item : 'File Name'

Description :

The name of a file sent or received by the system.

Attributes :

File Name - Data File

Validation :

None

Logical Format :

CHAR(250)

5.131 Data Item : 'File Processed Timestamp'

Description :

The date and time a file received by the system was processed.

Attributes :

File Processed Timestamp - Data File

Validation :

None

Logical Format :

DATETIME

5.132 Data Item : 'File Sent or Received'

Description :

Whether a file was sent from (or intended to be sent from) or received by the system.

Attributes :

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File Sent or Received - Data File

Validation :

Valid set of 'S' (sent) or 'R' (received).

Logical Format :

CHAR(1)

5.133 Data Item : 'File Sent or Received Timestamp'

Description :

The date and time a file was sent to or received from an external (to the system) entity.

Attributes :

File Sent or Received Timestamp - Data File

Validation :

None

Logical Format :

DATETIME

5.134 Data Item : 'File Status'

Description :

Status of file, tracking progress through the system of files received. (It may also be useful for generated files.)

Attributes :

File Status - Data File

Validation :

The set of valid File Statuses is pending.

Logical Format :

CHAR(1)

5.135 Data Item : 'GMT Time'

Description :

The time according to Greenwich Mean Time.

Attributes :

GMT Time - Clock Time Change

Validation :

None

Logical Format :

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TIME

5.136 Data Item : 'GMT/Local Time Indicator'

Description :

This indicates whether a time pattern regime is for GMT or Local Time.

Attributes :

GMT/Local Time Indicator - Time Pattern Regime

Validation :

'Y' for GMT Time, 'N' for local time.

Logical Format :

CHAR(1)

5.137 Data Item : 'Group Average Annual Consumption'

Description :

The estimated average annual consumption for metering systems in a Profile Class for a GSP Group in MWh.

Attributes :

Group Average Annual Consumption - GSP Group Average EAC

Validation :

None

Logical Format :

NUM(14,4)

External Format: NUM(13,3)

5.138 Data Item : 'GSP Group Correction Factor'

Description :

The factored weighting that is applied to the consumption allocated to selected Consumption Component Classes to ensure that GSP Group Deemed Take is the same as the Group Take measured at GSP level.

Attributes :

SSR Run GSP Group Period - GSP Group Correction Factor

Validation :

None

Logical Format :

NUM(18,9)

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5.139 Data Item : 'GSP Group Correction Scaling Factor'

Description :

A factor (S) which can be applied to the GSP Group Correction Factor to define to what degree the GSP Group Correction Factor will be applied to a particular Consumption Component Class:

S=0 - GSP Group Correction Factor not applied;

S=1 - GSP Group Correction Factor applied;

0<=S<=1 - GSP Group Correction Factor partially applied;

S>1 - GSP Group Correction Factor over-applied.

Attributes :

GSP Group Correction Scaling Factor - GSP Group Correction Scaling Factor

GSP Group Correction Scaling Factor - GSP Grp Correction Scaling Factor used in SSR Run

Validation :

Number equal to or greater than 0.

Logical Format :

NUM(4,2)

5.140 Data Item : 'GSP Group Id'

Description :

The unique national identifier for a particular GSP Group, for example, 'GA' for London Electricity Area.

Attributes :

GSP Group Id - Aggregated Supplier DA Period Consumption

GSP Group Id - Aggregated BM Unit Period Consumption

GSP Group Id - Aggregated Supplier Period Consumption

GSP Group Id - Average Fraction Of Yearly Consumption

GSP Group Id - Average Fraction Of Yearly Consumption Set

GSP Group Id - Basic Period Profile Coefficient

GSP Group Id - BM Unit For Supplier In GSP Group

GSP Group Id - Combined Period Profile Coefficient

GSP Group Id - Daily Profile Coefficient

GSP Group Id - Daily Profile Parameters

GSP Group Id - Data Aggregator In GSP Group

GSP Group Id - Data Collector in GSP Group

GSP Group Id - Data File

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GSP Group Id - GSP Group

GSP Group Id - GSP Group Average EAC

GSP Group Id - SSR Run GSP Group Period

GSP Group Id - GSP Group Distributor

GSP Group Id – Final Dispute Expected Data Aggregation

GSP Group Id - SSA Settlement GSP Group

GSP Group Id - GSP Group Take

GSP Group Id - Period Profile Class Coefficient

GSP Group Id - Period Supplier Purchase

GSP Group Id - Profile Production Run

GSP Group Id - Profiled SPM

GSP Group Id - Settlement Class

GSP Group Id - SSR Run GSP Group

GSP Group Id - Supplier Data Aggregation

GSP Group Id - Supplier Data Aggregation Used In SSR Run

GSP Group Id - Supplier In GSP Group

GSP Group Id - Supplier Purchase Matrix

Validation :

Value in Entity GSP Group.

Logical Format :

CHAR(2)

5.141 Data Item : 'GSP Group Name'

Description :

The name of a GSP Group.

Attributes :

GSP Group Name - GSP Group

Validation :

None

Logical Format :

CHAR(30)

5.142 Data Item : 'GSP Group Take'

Description :

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GSP Group Take is net of 100kW for the GSP Group measured at the Grid Point level by meter.

Attributes :

GSP Group Take - GSP Group Take

Validation :

None

Logical Format :

NUM(14,4)

External format: NUM(13,3)

5.143 Data Item : 'GSP Group Unallocated Consumption'

Description :

Derived item which shows the unallocated consumption for a GSP group for a settlement period. It equals GSP Group Take - sum of Aggregated Supplier Consumption {ASPC} over all Suppliers in the GSP Group for the Period.

Attributes :

None

Validation :

None

Logical Format :

NUM(13,3)

5.144 Data Item : 'Line Loss Factor'

Description :

The multiplicative factor applied to a customer's consumption to convert it into its estimated original consumption at the GSP level i.e. before transformer and line losses.

Attributes :

Line Loss Factor - Settlement Period Line Loss Factor

Line Loss Factor - Settlement Period LLF used in SSR Run

Validation :

Number equal to or greater than 0.

Logical Format :

NUM(5,3)

Notes :

May vary from half-hour to half-hour.

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Not specified to individual customers, rather to Line Loss Factor Classes of which a number of customers will all belong, and hence will all have the same Line Loss Factor applied.

5.145 Data Item : 'Line Loss Factor Class Id'

Description :

The identifier for a class of Line Loss which applies to a group of metering systems belonging to a Distributor.

Attributes :

Line Loss Factor Class Id - Line Loss Factor Class

Line Loss Factor Class Id - Settlement Period Line Loss Factor

Line Loss Factor Class Id - Settlement Period LLF used in SSR Run

Line Loss Factor Class Id - Settlement Class

Line Loss Factor Class Id - Supplier Purchase Matrix

Line Loss Factor Class Id - Profiled SPM

Validation :

Positive integer.

Logical Format :

INT(3)

Notes :

A unique identifier giving a Line Loss Factor Class.

5.146 Data Item : 'Low Register Period Profile Coefficient'

Description :

A profile coefficient which, when multiplied by an estimate of annual consumption, produces an estimate of consumption for a metering system's low register in a Settlement Period.

Attributes :

Low Register Period Profile Coefficient - Combined Period Profile Coefficient

Validation :

None

Logical Format :

NUM(13,13)

5.147 Data Item : 'Market Participant Id'

Description :

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Unique id of a Market Participant.

Attributes :

Data Aggregator Market Participant Id - Data Aggregator In GSP Group

Data Aggregator Market Participant Id – Final Dispute Expected Data Aggregation

Data Aggregator Market Participant Id - Supplier Data Aggregation

Data Aggregator Market Participant Id - Supplier Data Aggregation Used In SSR Run

Data Aggregator Market Participant Id - Supplier Purchase Matrix

Data Aggregator Market Participant Id - Aggregated Supplier DA Period Consumption

Data Collector Market Participant Id - Data Collector in GSP Group

Distributor Market Participant Id - GSP Group Distributor

Distributor Market Participant Id - Line Loss Factor Class

Distributor Market Participant Id - Settlement Period Line Loss Factor

Distributor Market Participant Id - Settlement Period LLF used in SSR Run

Distributor Market Participant Id - Settlement Class

Distributor Market Participant Id - Supplier Purchase Matrix

Distributor Market Participant Id - Profiled SPM

Market Participant Id - Market Participant

Market Participant Id - Market Participant Role

Market Participant Id - Data Aggregator

Market Participant Id - Data Collector

Market Participant Id - Distributor

Market Participant Id - Supplier

Market Participant Id - Data File

Supplier Market Participant Id - Supplier In GSP Group

Supplier Market Participant Id - Period Supplier Purchase

Supplier Market Participant Id - Aggregated BM Unit Period Consumption

Supplier Market Participant Id - Aggregated Supplier Period Consumption

Supplier Market Participant Id - Profiled SPM

Supplier Market Participant Id - Data Aggregator In GSP Group

Supplier Market Participant Id - Supplier Data Aggregation

Supplier Market Participant Id - Supplier Data Aggregation Used In SSR Run

Supplier Market Participant Id - Supplier Purchase Matrix

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Supplier Market Participant Id - Aggregated Supplier DA Period Consumption

Supplier Market Participant Id - BM Unit For Supplier In GSP Group

System Market Participant Id - System Configuration

Validation :

Value in Entity Market Participant

Logical Format :

CHAR(4)

5.148 Data Item : 'Market Participant Name'

Description :

The name of a Market Participant.

Attributes :

Market Participant Name - Market Participant

Validation :

None

Logical Format :

CHAR(40)

Notes :

Names must be unique.

5.149 Data Item : 'Market Participant Role Code'

Description :

Unique id of a Market Role, for example, 'A' for HH Data Aggregator.

Attributes :

Data Aggregator Market Participant Role Code - Aggregated Supplier DA Period Consumption

Data Aggregator Market Participant Role Code - Data Aggregator In GSP Group

Data Aggregator Market Participant Role – Final Dispute Expected Data Aggregation

Data Aggregator Market Participant Role Code - Supplier Data Aggregation

Data Aggregator Market Participant Role Code - Supplier Data Aggregation Used In SSR Run

Data Aggregator Market Participant Role Code - Supplier Purchase Matrix

Data Collector Market Participant Role Code - Data Collector in GSP Group

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Distributor Market Participant Role Code - GSP Group Distributor

Distributor Market Participant Role Code - Line Loss Factor Class

Distributor Market Participant Role Code - Profiled SPM

Distributor Market Participant Role Code - Settlement Class

Distributor Market Participant Role Code - Settlement Period Line Loss Factor

Distributor Market Participant Role Code - Settlement Period LLF used in SSR Run

Distributor Market Participant Role Code - Supplier Purchase Matrix

Market Participant Role Code - Data Aggregator

Market Participant Role Code - Data Collector

Market Participant Role Code - Data File

Market Participant Role Code - Distributor

Market Participant Role Code - Market Participant Role

Market Participant Role Code - Market Role

Market Participant Role Code - Supplier

Supplier Market Participant Role Code - Aggregated Supplier DA Period Consumption

Supplier Market Participant Role Code - Aggregated BM Unit Period Consumption

Supplier Market Participant Role Code - Aggregated Supplier Period Consumption

Supplier Market Participant Role Code - BM Unit For Supplier In GSP Group

Supplier Market Participant Role Code - Data Aggregator In GSP Group

Supplier Market Participant Role Code - Period Supplier Purchase

Supplier Market Participant Role Code - Profiled SPM

Supplier Market Participant Role Code - Supplier Data Aggregation

Supplier Market Participant Role Code - Supplier Data Aggregation Used In SSR Run

Supplier Market Participant Role Code - Supplier In GSP Group

Supplier Market Participant Role Code - Supplier Purchase Matrix

Validation :

Value in Entity Market Role.

Logical Format :

CHAR(1)

5.150 Data Item : 'Market Participant Role Description'

Description :

The description of a Market Participant Role, for example 'Supplier'.

Attributes :

Market Participant Role Description - Market Role

Validation :

None

Logical Format :

CHAR(30)

5.151 Data Item : 'Measurement Quantity Id'

Description :

The unique identifier for a quantity which may be measured (e.g. consumption or generation).

Attributes :

Measurement Quantity Id - Measurement Quantity

Measurement Quantity Id - Consumption Component Class

Validation :

Value in Entity Measurement Quantity. (Valid values are AI or AE as only active kW import and export are relevant to ISRA.)

Logical Format :

CHAR(2)

5.152 Data Item : 'Metered/Unmetered Indicator'

Description :

Bi-state indicator showing whether the Consumption Component is for a metered supply or unmetered supply.

Attributes :

Metered/Unmetered Indicator - Consumption Component Class

Validation :

Values 'M' (Metered), 'U' (Unmetered)

Logical Format :

CHAR(1)

5.153 Data Item : 'MRPC Supplier Profiled AA'

Description :

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A derived item created by summing over all Settlement Periods in a day, over all Suppliers in a GSP Group, of the Profiled SPM Total Annualised Advance for all Suppliers for a Valid Measurement Requirement Profile Class.

Attributes :

None

Validation :

None

Logical Format :

NUM(13,3)

5.154 Data Item : 'MRPC Supplier Profiled EAC'

Description :

A derived item created by summing over all Settlement Periods in a day, over all Suppliers in a GSP Group, of the Profiled SPM Total EAC for all Suppliers for a Valid Measurement Requirement Profile Class.

Attributes :

None

Validation :

None

Logical Format :

NUM(13,3)

5.155 Data Item : 'MRPC Supplier Profiled Unmetered Consumption'

Description :

A derived item created by summing over all Settlement Periods in a day, over all Suppliers in a GSP Group, of the Profiled SPM Total Unmetered Consumption for all Suppliers for a Valid Measurement Requirement Profile Class.

Attributes :

None

Validation :

None

Logical Format :

NUM(13,3)

5.155.1 Data Item : 'MS Specific LLF Class Indicator'

Description :

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An indicator showing whether the Line Loss Factor Class is a general class or metering system specific.

Attributes :

None

Validation :

'A' for General LLF Class Import,

'B' for Site Specific Import,

'C' for General LLF Class Export,

'D' for Site Specific Export,

Logical Format :

CHAR(1)

5.156 Data Item : 'Noon Effective Temperature'

Description :

This is the weighted average of the actual noon (clock time) temperatures for the settlement day and the previous two settlement days.

Attributes :

Noon Effective Temperature - Daily Profile Parameters

Validation :

None

Logical Format :

NUM(4,1)

5.157 Data Item : 'Normal Register Period Profile Coefficient'

Description :

A profile coefficient which, when multiplied by an estimate of annual consumption, produces an estimate of consumption for a metering system's normal register in a Settlement Period.

Attributes :

Normal Register Period Profile Coefficient - Combined Period Profile Coefficient

Domain :

None

Validation :

None

Logical Format :

NUM(13,13)

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5.158 Data Item : 'Payment Date'

Description :

Published Settlement Timetable payment date.

Attributes :

Payment Date - Settlement

Validation :

None

Logical Format :

DATE

5.159 Data Item : 'Period BM Unit Total Allocated Volume'

Description :

A derived item detailing total energy allocated to a BM Unit for a half hour period of a Settlement Day. Derived by:

- summing Corrected BM Unit Energy and Line Losses across Consumption Component Classes for a BM Unit.

Attributes :

None

Validation :

None

Logical Format :

NUM(14,4)

External Format: NUM(14,4)

5.160 Data Item : 'Period Corrected Supplier Deemed Take'

Description :

A derived item for the deemed take, attributable to supplies which are subject to group correction, by a Supplier in a GSP Group, for a half hour period of a Settlement Day. The figure is derived by subtracting the Period Non-Corrected Supplier Deemed Take from the Period Supplier Deemed Take. For this subtraction, external data formats are used to ensure that the relation Period Corrected Supplier Deemed Take + Period Non-Corrected Supplier Deemed Take = Period Supplier Deemed Take holds exactly.

Attributes :

None

Validation :

None.

Logical Format :

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NUM(14,4)

External Format: NUM(13,3)

5.161 Data Item : 'Period GSP Group Purchases'

Description :

Value derived by the SSA and passed to ISRA. It equals the (GSP Group Take) * (Pool Selling Price) * (1 + Transmission Loss Multiplier) * (1 + Loss Reconciliation Multiplier). This data item is redundant for CDCA Settlement Dates on or after the NETA Start Date.

Attributes :

Period GSP Group Purchases - GSP Group Take

Validation :

None

Logical Format :

NUM(15,3)

External Format: NUM(14,2)

5.162 Data Item : 'Period Non-Corrected Supplier Deemed Take'

Description :

A derived item for the deemed take, attributable to supplies which are not subject to group correction, by a Supplier in a GSP Group, for a half hour period of a Settlement Day. Derived by :

- summing Aggregated Supplier Consumption and Line Loss across Consumption Component Classes which are not subject to Group Correction.

Attributes :

None

Validation :

None.

Logical Format :

NUM(14,4)

External Format: NUM(13,3)

5.163 Data Item : 'Period Profile Class Coefficient'

Description :

A profile coefficient which, when multiplied by an estimate of annual consumption, produces an estimate of consumption for a metering system register in a Settlement Period.

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Attributes :

Period Profile Class Coefficient - Period Profile Class Coefficient

Validation :

None

Logical Format :

NUM(13,13)

5.164 Data Item : 'Period Purchases Valid'

Description :

Indicates that the period purchases have been successfully validated against the GSP Group Take, Pool Selling Price, LRM and TLM.

Attributes :

SSA Settlement GSP group - Period Purchases Valid

Validation :

None

Logical Format :

BOOLEAN

5.165 Data Item : 'Period Register On State Indicator'

Description :

An indicator showing whether metering system registers associated with a Time Pattern Regime are to be treated as ON or OFF in a Settlement Period.

Attributes :

Period Register On State Indicator - Period Time Pattern State

Validation :

None.

Logical Format :

BOOLEAN

5.166 Data Item : 'Period Supplier Deemed Take'

Description :

The deemed take at GSP Group level for a Supplier during a half hour period.

Attributes :

Period Supplier Deemed Take - Period Supplier Purchase

Validation :

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None.

Logical Format :

NUM(14,4)

External Format: NUM(13,3)

5.167 Data Item : 'Period Supplier Purchase Total'

Description :

The financial liability (money owed) by an Supplier for energy used within a half hour period.

Attributes :

Period Supplier Purchase Total - Period Supplier Purchase

Validation :

None.

Logical Format :

NUM(15,3)

External Format: NUM(14,2)

5.168 Data Item : 'Planned SSR Run Date'

Description :

The date in the settlement calendar on which a particular type of SSR Run (given by the Settlement Code) for a particular Settlement Date is planned to take place.

Attributes :

Planned SSR Run Date - Settlement

Validation :

None.

Logical Format :

DATE

5.169 Data Item : 'Pool Member Id'

Description :

An identifier which uniquely references a member of the Electricity Pool of England and Wales.

Attributes :

Pool Member Id - Supplier

Validation :

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None

Logical Format :

CHAR(4)

5.170 Data Item : 'Pool Selling Price'

Description :

The price (£/MWh) of the energy sold by the Generators and bought by the Suppliers for a particular half hour trading period.

Attributes :

Pool Selling Price - Settlement Period Prices

Validation :

Positive number.

Logical Format :

NUM(11,6)

5.171 Data Item : 'Post Change Local Time'

Description :

The local clock time after a clock change.

Attributes :

Post Change Local Time - Clock Time Change

Validation :

None.

Logical Format :

TIME

5.172 Data Item : 'Profiled Supplier Purchase Total'

Description :

A derived item created by summing 'Profiled SPM Total Annualised Advance', 'Profiled SPM Total EAC', and 'Profiled SPM Total Unmetered Consumption' for a Settlement Class and Settlement Period.

Attributes :

None

Validation :

None.

Logical Format :

NUM(13,3)

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5.173 Data Item : 'Profile Class Description'

Description :

A description of the Profile Class for a given Profile Class ID.

Attributes :

Profile Class Description - Profile Class

Validation :

None.

Logical Format :

CHAR(50)

5.174 Data Item : 'Profile Class Id'

Description :

The unique identifier for the Profile Class which holds the profile to be applied to a non-half hourly metered set of supplies belonging to that class.

Attributes :

Profile Class Id - Profile Class

Profile Class Id - Profile

Profile Class Id - Valid Settlement Configuration Profile Class

Profile Class Id - Average Fraction Of Yearly Consumption Set

Profile Class Id - Valid Measurement Requirement Profile Class

Profile Class Id - Combined Period Profile Coefficient

Profile Class Id - Basic Period Profile Coefficient

Profile Class Id - Settlement Class

Profile Class Id - Average Fraction Of Yearly Consumption

Profile Class Id - Period Profile Class Coefficient

Profile Class Id - Daily Profile Coefficient

Profile Class Id - Supplier Purchase Matrix

Profile Class Id - Profiled SPM

Profile Class Id - Profile Set

Profile Class Id - Profile Regression Equation Set

Profile Class Id - Period Regression Equation

Profile Class Id - Regression Coefficient

Profile Class Id - GSP Group Average EAC

Profile Class Id - Non-Half Hourly BM Unit Allocation

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Validation :

Value in Entity Profile Class.

Logical Format :

INT(2)

Notes :

Initial Profile Classes are:

- Domestic unrestricted;

- Domestic economy 7;

- Non-domestic unrestricted;

- Non-domestic economy 7;

- Four different load factor bands for non-domestic maximum demand meters.

5.175 Data Item : 'Profile Description'

Description :

A description of the profile in use.

Attributes :

Profile Description - Profile

Validation :

None.

Logical Format :

CHAR(50)

5.176 Data Item : 'Profile Id'

Description :

A unique identifier for a profile within a Profile Class.

Attributes :

Profile Id - Profile

Profile Id - Basic Period Profile Coefficient

Profile Id - Profile Set

Profile Id - Profile Regression Equation Set

Profile Id - Period Regression Equation

Profile Id - Regression Coefficient

Profile Id - GSP Group Average EAC

Validation :

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Value in Entity Profile.

Logical Format :

INT(2)

Notes :

Sequence starting from 1 for each Profile within Profile class.

5.177 Data Item : 'Profile Production Run Date'

Description :

The date of a Profile Production Run

Attributes :

Profile Production Run Date - Profile Production Run

Validation :

None.

Logical Format :

DATE

5.178 Data Item : 'Profile Production Run Number'

Description :

A unique identifier for a particular Profile Production Run.

Attributes :

Profile Production Run Number - Profile Production Run

Profile Production Run Number - SSR Run GSP Group

Validation :

None.

Logical Format :

INT(7)

Notes :

Unique sequential integer from 1.

5.179 Data Item : 'Profile Production Run Time'

Description :

The time at which a Profile Production Run is performed.

Attributes :

Profile Production Run Time - Profile Production Run

Validation :

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None.

Logical Format :

TIME

5.180 Data Item : 'Profile Settlement Periods'

Description :

The number of Settlement Periods that a Profile covers.

Attributes :

Profile Settlement Periods - Profile

Validation :

Integer between 1 and 48 inclusive.

Logical Format :

INT(2)

Notes :

Non-switched load profiles always cover 48 periods.

5.181 Data Item : 'Profiled SPM Total Annualised Advance'

Description :

The profiled Annualised Advance in a Settlement Period for a Supplier in a GSP Group by Settlement Class and Settlement.

Attributes :

Profiled SPM Total Annualised Advance - Profiled SPM

Validation :

None.

Logical Format :

NUM(14,4)

External Format: NUM(13,3)

5.182 Data Item : Profiled SPM Total AA MSID Count'

Description :

The count of Metering Systems which contribute to the Profiled SPM Total Annualised Advance.

Attributes :

Profiled SPM Total AA MSID Count – Profiled SPM

Validation :

None

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Logical Format :

INT(8)

5.183 Data Item : 'Profiled SPM Total EAC'

Description :

The profiled Estimated Annual Consumption in a Settlement Period for a Supplier in a GSP Group by Settlement Class and Settlement.

Attributes :

Profiled SPM Total EAC - Profiled SPM

Validation :

None.

Logical Format :

NUM(14,4)

External Format: NUM(13,3)

5.184 Data Item : Profiled SPM Total EAC MSID Count'

Description :

The count of Metering Systems which contribute to the Profiled SPM Total EAC.

Attributes :

Profiled SPM Total EAC MSID Count – Profiled SPM

Validation :

None

Logical Format :

INT(8)

5.185 Data Item : 'Profiled SPM Total Unmetered Consumption'

Description :

The profiled unmetered consumption in a Settlement Period for a Supplier in a GSP Group by Settlement Class and Settlement.

Attributes :

Profiled SPM Total Unmetered Consumption - Profiled SPM

Validation :

None.

Logical Format :

NUM(14,4)

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External Format: NUM(13,3)

5.186 Data Item : Profiled SPM Total Unmetered MSID Count '

Description :

The count of Metering Systems which contribute to the Profiled SPM Total Unmetered Consumption.

Attributes :

Profiled SPM Total Unmetered MSID Count – Profiled SPM

Validation :

None

Logical Format :

INT(8)

5.187 Data Item : 'Regression Coefficient'

Description :

A coefficient or variable which specifies how consumption for a Profile varies, and is substituted into a Regression Equation.

Attributes :

Regression Coefficient - Regression Coefficient

Validation :

None.

Logical Format :

NUM(12,9)

5.188 Data Item : 'Regression Coefficient Type'

Description :

A valid Regression Coefficient Type.

Attributes :

Regression Coefficient Type - Regression Coefficient Type

Regression Coefficient Type - Regression Coefficient

Validation :

Value in Entity Regression Coefficient Type.

Logical Format :

INT(2)

Notes :

Initial values will represent:

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- 'Time of Sunset'
- '(Time of Sunset)2'
- 'Noon Effective Temperature'
- 'Day of Week 1'
- 'Day of Week 2'
- 'Day of Week 3'
- 'Day of Week 4'
- 'Constant'

See CR49 and LCR013

5.189 Data Item : 'Regression Coefficient Type Description'

Description :

Textual description of Regression Coefficient Type.

Attributes :

Regression Coefficient Type Description - Regression Coefficient Type

Validation :

None

Logical Format :

CHAR(255)

5.190 Data Item : 'Report Type'

Description :

The choice of Profile Report indicated by the user. One of:

- Standard Settlement Configuration Report
- Daily Profile Report
- Standing Profile Data Report.

It is not held in the database as it is a screen based item only.

Attributes :

None

Validation :

None

Logical Format :

CHAR(40)

5.191 Data Item : 'Researched Average EAC'

Description :

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The average Estimated Annual Consumption, for Metering Systems assuming a specific combination of GSP Group, Profile Class and Standard Settlement Configuration.

Attributes :

None

Validation :

None

Logical Format :

NUM(12,1)

5.192 Data Item : 'Researched Default EAC'

Description :

The Average Estimated Annual Consumption, for Metering Systems assuming a specific combination of GSP Group and Profile Class.

Attributes :

None

Validation :

None

Logical Format :

NUM(12,1)

5.193 Data Item : 'Run Number'

Description :

The Run Number together with Run Type Code in a Data File indicates the Settlement Run or version of the Data File.

Attributes :

Run Number - Data File

Validation :

None

Logical Format :

INT(7)

5.194 Data Item : 'Run Type Code'

Description :

The Run Type Code together with Run Number in a Data File indicates the Settlement Run or version of the Data File.

Attributes :

Run Type Code - Data File

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Validation :

None

Logical Format :

CHAR(1)

5.195 Data Item : 'SC Corrected Deemed Take'

Description :

A derived item which shows the corrected deemed take for a settlement class and settlement period.

Attributes :

None

Validation :

None

Logical Format :

NUM(13,3)

5.196 Data Item : 'SC Uncorrected Deemed Take'

Description :

A derived item which shows the uncorrected deemed take for a particular settlement class and settlement period summed for a GSP group.

Attributes :

None

Validation :

None

Logical Format :

NUM(13,3)

5.197 Data Item : 'Scottish Gsp Group Flag'

Description :

A flag to indicate if the GSP Group belongs to Scotland or not.

Attributes :

None

Validation :

None

Logical Format :

CHAR(1)

Notes :

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This flag is manually updated using Structured Query Language.

5.198 Data Item : 'Scottish Reg Flag'

Description :

A flag to indicate if the regression coefficient belongs to Scottish GSP Groups or English and Wales GSP Groups.

Attributes :

None.

Validation :

None.

Logical Format :

Char(1)

5.199 Data Item : 'Scottish Day Type Id'

Description :

System identifier for the type of Scottish settlement day.

Attributes :

Scottish Day Type Id - Day Type

Scottish Day Type Id - Profile Regression Equation Set

Scottish Day Type Id - Settlement Day

Scottish Day Type Id - Period Regression Equation

Scottish Day Type Id - Regression Coefficient

Validation :

Value in Entity Day Type, eg 'WE' Weekday, 'SA' Saturday, 'GF' Good Friday.

Logical Format :

CHAR(2)

Notes :

Descriptions for these Ids are not maintained. The codes relate to Weekday; Saturday; Sunday; and various Bank Holidays.

5.200 Data Item : 'Season Id'

Description :

The unique identifier given to a specified Season.

Attributes :

Season Id - Profile Regression Equation Set

Season Id - Settlement Day

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Season Id - Period Regression Equation

Season Id - Regression Coefficient

Validation :

None

Logical Format :

INT(1)

5.201 Data Item : 'Sett Class SPM Total Default Unmetered MSID Count'

Description :

A derived item created by summing the SPM Default Unmetered MSID Count over all Settlement Classes for a Supplier within a GSP Group and Data Aggregator.

Attributes :

None

Logical Format :

INT(8)

5.202 Data Item : 'Settlement Class SPM Total AA MSID Count'

Description :

A derived item created by summing the SPM Total AA MSID Count over all Settlement Classes for a Supplier within a GSP Group and Data Aggregator.

Attributes :

None

Logical Format :

INT(8)

5.203 Data Item : 'Settlement Class SPM Total Annualised Advance'

Description :

A derived item created by summing the SPM Total Annualised Advance over all Settlement Classes for a Supplier within a GSP Group and Data Aggregator.

Attributes :

None

Logical Format :

NUM(13,3)

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5.204 Data Item : 'Settlement Class SPM Total Default EAC MSID Count'

Description :

A derived item created by summing the SPM Default EAC MSID Count over all Settlement Classes for a Supplier within a GSP Group and Data Aggregator.

Attributes :

None

Logical Format :

INT(8)

5.205 Data Item : 'Settlement Class SPM Total EAC'

Description :

A derived date item created by summing the SPM Total EAC over all Settlement Classes for a Supplier, within a GSP Group and Data Aggregator.

Attributes :

None

Logical Format :

NUM(13,3)

5.206 Data Item : 'Settlement Class SPM Total EAC MSID Count'

Description :

This is a derived item created by summing the SPM Total EAC MSID Count over all Settlement Classes for a Supplier within a GSP Group and Data Aggregator.

Attributes :

None

Logical Format :

INT(8)

5.207 Data Item : 'Settlement Class SPM Total Unmetered Consumption'

Description :

A derived item created by summing the SPM Total Unmetered Consumption over all Settlement Classes for a Supplier within a GSP Group and Data Aggregator.

Attributes :

None

Logical Format :

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NUM(13,3)

5.208 Data Item : 'Settlement Class SPM Total Unmetered MSID Count'

Description :

A derived item created by summing the SPM Total Unmetered MSID Count over all Settlement Classes for a Supplier within a GSP Group and Data Aggregator.

Attributes :

None

Logical Format :

INT(8)

5.209 Data Item : 'Settlement Code'

Description :

A code which, together with the Settlement Date, identifies a Settlement published in the Pool's Settlement Timetable. It identifies the type of Settlement. Initial values may be Initial Interim, Final Initial Settlement, First Reconciliation, Second Reconciliation, Third Reconciliation, Final Reconciliation, Dispute, Final Dispute.

Attributes :

Settlement Code - Settlement

Settlement Code - Settlement Type

Settlement Code - SSR Run

Settlement Code - Supplier Data Aggregation

Settlement Code - Data File

Validation :

None.

Logical Format :

CHAR(2)

5.210 Data Item : 'Settlement Code Description'

Description :

The description of a Settlement Code, for example "Final Initial Settlement".

Attributes :

None

Logical Format :

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CHAR(30)

Attributes :

Settlement Code Description - Settlement Type

5.211 Data Item : 'Settlement Date'

Description :

The date on which energy is deemed to be used and must be later settled for. Also known as the Trading Day.

Attributes :

Settlement Date - Aggregated Supplier DA Period Consumption

Settlement Date - Aggregated BM Unit Period Consumption

Settlement Date - Aggregated Supplier Period Consumption

Settlement Date - Basic Period Profile Coefficient

Settlement Date - Combined Period Profile Coefficient

Settlement Date - Daily Profile Coefficient

Settlement Date - Daily Profile Parameters

Settlement Date - Data File

Settlement Date - SSR Run GSP Group Period

Settlement Date - Period Profile Class Coefficient

Settlement Date - Period Supplier Purchase

Settlement Date - Period Time Pattern State

Settlement Date - Profile Production Run

Settlement Date - Settlement

Settlement Date - Settlement Day

Settlement Date - Settlement Period

Settlement Date - Settlement Period Line Loss Factor

Settlement Date - Settlement Period LLF used in SSR Run

Settlement Date - Settlement Period Prices

Settlement Date - SSR Run

Settlement Date - Supplier Data Aggregation

Settlement Date - Tele-switch Interval

Validation :

None.

Logical Format :

DATE

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Synonyms :

Settlement Date Range End

Settlement Date Range Start

5.212 Data Item : 'Settlement Date Range End'

Description :

The end date of a range of Settlement Dates entered by a user. Synonym for Settlement Date.

Attributes :

None

Validation :

None.

Logical Format :

DATE

5.213 Data Item : 'Settlement Date Range Start'

Description :

The start date in a range of Settlement Dates specified by the user as part of a request. Synonym for Settlement Date.

Attributes :

None

Validation :

None

Logical Format :

DATE

5.214 Data Item : 'Settlement Day Archive Days'

Description :

The number of days after a Settlement Date before which data for that Settlement Date is not to be archived.

Attributes :

Settlement Day Archive Days - System Configuration

Validation :

Positive Integer.

Default Value :

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732 (This figure results in data not being archived until two years after the Settlement Date).

Logical Format :

INT(4)

5.215 Data Item : 'Settlement Period Id'

Description :

The identifier - unique for a particular day - for a half hour trading period.

Attributes :

Settlement Period Id - Period Time Pattern State

Settlement Period Id - Settlement Period

Settlement Period Id - Settlement Period Line Loss Factor

Settlement Period Id - Settlement Period LLF used in SSR Run

Settlement Period Id - Settlement Period Prices

Settlement Period Id - Aggregated Supplier DA Period Consumption

Settlement Period Id - Period Regression Equation

Settlement Period Id - Profiled SPM

Settlement Period Id - Period Supplier Purchase

Settlement Period Id - Aggregated BM Unit Period Consumption

Settlement Period Id - Aggregated Supplier Period Consumption

Settlement Period Id - SSR Run GSP Group Period

Settlement Period Id - Period Profile Class Coefficient

Settlement Period Id - Basic Period Profile Coefficient

Settlement Period Id - Combined Period Profile Coefficient

Settlement Period Id - Regression Coefficient

Validation :

Positive integer.

Logical Format :

INT(2)

5.216 Data Item : 'Settlement Period Label'

Description :

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The end time of a Settlement Period e.g. 00:30, 14:00. Where the same time occurs twice in a day the label for the second occurrence of the time will have an 'a' appended. For example, 01:30 and 01:30a will exist for days when clocks go back an hour at 02:00.

Attributes :

Settlement Period Label - Settlement Period

Validation :

None.

Logical Format :

CHAR(6) - this is not a TIME, to allow for the repeat hour (see description)

5.217 Data Item : 'Settlement Sequence Number'

Description :

Defines the order in which settlement (Initial Interim and reconciliation) types are expected to be performed.

Attributes :

Settlement Sequence Number - Settlement Type

Validation :

None.

Logical Format :

INT(2)

5.218 Data Item : 'SPM Default EAC MSID Count'

Description :

The number of default EACs that had to be used in the calculation of a Supplier Purchase Matrix's SPM Total EAC.

Attributes :

SPM Default EAC MSID Count - Supplier Purchase Matrix

Validation :

Integer greater than or equal to 0.

Logical Format :

INT(8)

5.219 Data Item : 'SPM Default Estimated MSID Count'

Description :

A derived item created by summing 'SPM Default EAC MSID Count', and SPM Default Unmetered MSID Count' for a Settlement Class.

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Attributes :

None

Validation :

None

Logical Format :

INT(8)

5.220 Data Item : 'SPM Default Unmetered MSID Count'

Description :

The number of default EACs that had to be used in the calculation of a Supplier Purchase Matrix's SPM Total Unmetered Consumption.

Attributes :

SPM Default Unmetered MSID Count - Supplier Purchase Matrix

Validation :

Integer greater than or equal to zero.

Logical Format :

INT(8)

5.221 Data Item : 'SPM Total AA MSID Count'

Description :

The count of non-half hourly metering systems whose consumption is based on an Annualised Advance. It is for a given Supplier and Settlement Class within a GSP Group for a Settlement Run. The count is supplied by the Data Aggregator with which those Metering Systems are registered.

Attributes :

SPM Total AA MSID Count - Supplier Purchase Matrix

Validation :

Integer greater than or equal to zero.

Logical Format :

INT(8)

5.222 Data Item : 'SPM Total EAC MSID Count'

Description :

The count of non-half hourly metering systems whose consumption is based on an Estimate of Annual Consumption. It is for a given Supplier and Settlement Class within a GSP Group for a Settlement Run. The count is supplied by the Data Aggregator with which those Metering Systems are registered.

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Attributes :

SPM Total EAC MSID Count - Supplier Purchase Matrix

Validation :

Integer greater than or equal to zero.

Logical Format :

INT(8)

5.223 Data Item : 'SPM Total Annualised Advance'

Description :

The sum of Annualised Advances for a cell of the Supplier Purchase Matrix.

Attributes :

SPM Total Annualised Advance - Supplier Purchase Matrix

Validation :

None

Logical Format :

NUM(14,4)

External Format: NUM(13,3)

5.224 Data Item : 'SPM Total Consumption'

Description :

A derived item created by summing the SPM Total Annualised Advance, SPM Total EAC and SPM Total Unmetered Consumption for a Settlement Class.

Attributes :

None

Validation :

None

Logical Format :

NUM(13,3)

5.225 Data Item : 'SPM Total EAC'

Description :

The sum of Estimated Annual Consumptions for a cell of the Supplier Purchase Matrix.

Attributes :

SPM Total EAC - Supplier Purchase Matrix

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Validation :

None.

Logical Format :

NUM(14,4)

External Format: NUM(14,4)

5.226 Data Item : 'SPM Total EAC MSID Count'

Description :

The count of non-half hourly metering systems whose consumption is based on an Estimated Annual Consumption. It is for a given Supplier and Settlement Class within a GSP Group for a Settlement Run. The count is supplied by the Data Aggregator with which those Metering Systems are registered.

Attributes :

SPM Total EAC MSID Count - Supplier Purchase Matrix

Validation :

Integer greater than or equal to zero.

Logical Format :

INT(8)

5.227 Data Item : 'SPM Total Estimated MSID Count'

Description :

A derived item created by summing 'SPM Total EAC MSID Count', and SPM Total Unmetered MSID Count' for a Settlement Class.

Attributes :

None

Validation :

None

Logical Format :

INT(8)

5.228 Data Item : 'SPM Total Estimated Consumption'

Description :

A derived item created by summing the SPM Total EAC and SPM Total Unmetered Consumption for a Settlement Class.

Attributes :

None

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Validation :

None

Logical Format :

NUM(13,3)

5.229 Data Item : 'SPM Total Unmetered Consumption'

Description :

The sum of the estimated annual unmetered consumption for a cell of the Supplier Purchase Matrix.

Attributes :

SPM Total Unmetered Consumption - Supplier Purchase Matrix

Validation :

None.

Logical Format :

NUM(14,4)

External Format: NUM(13,3)

5.230 Data Item : 'SPM Total Unmetered MSID Count'

Description :

The count of non-half hourly Unmetered Systems. It is for a given Supplier and Settlement Class within a GSP Group for a Settlement Run. The count is supplied by the Data Aggregator with which those systems are registered.

Attributes :

SPM Total Unmetered MSID Count - Supplier Purchase Matrix

Validation :

Integer greater than or equal to zero.

Logical Format :

INT(8)

5.231 Data Item : 'SSA Settlement Date'

Description :

The Settlement Date for which an SSA settlement run is performed. This data item is replaced by data item 'CDCA Settlement Date' for Settlement Days from the start of the NETA.

Attributes :

SSA Settlement Date - GSP Group Take

SSA Settlement Date - SSA Settlement GSP Group

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SSA Settlement Date - SSA Settlement Run

SSA Settlement Date - SSR Run

Validation :

None.

Logical Format :

DATE

5.232 Data Item : 'SSA Settlement Run Number'

Description :

The unique run number generated for an SSA settlement run within a Settlement Day. This data item is replaced by data item 'CDCA Set Number' for Settlement Days from the start of the NETA.

Attributes :

SSA Settlement Run Number - SSA Settlement GSP Group

SSA Settlement Run Number - GSP Group Take

SSA Settlement Run Number - Settlement Period Prices

SSA Settlement Run Number - SSA Settlement Run

SSA Settlement Run Number - SSR Run

Validation :

Positive integer.

Logical Format :

INT(2)

5.233 Data Item : 'SSA Settlement Run Type Id'

Description :

The identifier for the particular SSA run type for an SSA run. Pre-1998 values are Preliminary, Provisional, Final and Dispute Final. This data item is not required for Settlement Days from the start of the NETA but is retained for backwards compatibility.

Attributes :

SSA Settlement Run Type Id - SSA Settlement Run

Validation :

None.

Logical Format :

CHAR(1)

5.234 Data Item : 'SSR Run BM Unit Id'

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Description :

This is a synonym of BM Unit Id.

Attributes :

See BM Unit Id.

5.235 Data Item : 'SSR Run Date'

Description :

The date on which an SSR system run is done for a particular Settlement Day and GSP Group.

Attributes :

SSR Run Date - SSR Run

Validation :

None

Logical Format :

DATE

5.236 Data Item : 'SSR Run Number'

Description :

The unique identifier which the system creates for a SSR run.

Attributes :

SSR Run Number - SSR Run

SSR Run Number - Supplier Data Aggregation Used In SSR Run

SSR Run Number - SSR Run GSP Group

SSR Run Number - SSR Run GSP Group Period

SSR Run Number - Period Supplier Purchase

SSR Run Number - Aggregated BM Unit Period Consumption

SSR Run Number - Aggregated Supplier Period Consumption

SSR Run Number - Profiled SPM

SSR Run Number - Settlement Period LLF used in SSR Run

SSR Run Number - GSP Grp Correction Scaling Factor used in SSR Run

Validation :

None

Logical Format :

INT(7)

Notes :

SSR Run Numbers are unique across all Settlement Days.

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5.237 Data Item : 'SSR Run Status'

The status of an SSR Run.

Values:

S Started

C Completed cleanly

E Completed with exceptions

F Failed

Attributes :

SSR Run Status - SSR Run

Validation :

None

Logical Format :

CHAR(1)

5.238 Data Item : 'SSR Run Type Id'

Description :

The type of run to which an SSR run belongs. Types are the same as for Settlement Code.

Attributes :

SSR Run Type Id - SSR Run Type

SSR Run Type Id - SSR Run

Validation :

None

(See Settlement Code.)

Logical Format :

CHAR(2)

5.239 Data Item : 'Standard Settlement Configuration Desc'

Description :

Description of a logical non-half hourly metering configuration supported by the settlement process.

Attributes :

Standard Settlement Configuration Desc - Standard Settlement Configuration

Validation :

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None

Logical Format :

CHAR(50)

5.240 Data Item : 'Standard Settlement Configuration Id'

Description :

A unique identifier for a logical non-half hourly metering configuration supported by the settlement process.

Attributes :

Standard Settlement Configuration Id - Standard Settlement Configuration

Standard Settlement Configuration Id - Valid Settlement Configuration Profile Class

Standard Settlement Configuration Id - Period Time Pattern state

Standard Settlement Configuration Id - Measurement Requirement

Standard Settlement Configuration Id - Valid Measurement Requirement Profile Class

Standard Settlement Configuration Id - Settlement Class

Standard Settlement Configuration Id - Average Fraction Of Yearly Consumption

Standard Settlement Configuration Id - Period Profile Class Coefficient

Standard Settlement Configuration Id - Daily Profile Coefficient

Standard Settlement Configuration Id - Average Fraction Of Yearly Consumption Set

Standard Settlement Configuration Id - Combined Period Profile Coefficient

Standard Settlement Configuration Id - Supplier Purchase Matrix

Standard Settlement Configuration Id - Profiled SPM

Standard Settlement Configuration Id - Non-Half Hourly BM Unit Allocation

Validation :

Value in Entity Standard Settlement Configuration.

Logical Format :

CHAR(4)

5.241 Data Item : 'Standard Settlement Configuration Type'

Description :

A flag for a logical non-half hourly metering configuration to determine import or export status supported by the settlement process.

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Attributes :

Standard Settlement Configuration Type- Standard Settlement Configuration

Validation :

Value in Entity Standard Settlement Configuration.

Logical Format :

CHAR(1)

5.242 Data Item : 'Standing Data Update Indicator'

Description :

A flag which indicates whether the load of Aggregated Half Hour data or Supplier Purchase Matrix data for a particular Settlement Code should be allowed to update the associations between Suppliers and Data Aggregators for a Settlement Date / GSP Group. The valid values are 'A' to indicate an update is permitted and 'M' to indicate it is not.

Attributes :

Standing Data Update Indicator - Settlement Type

Validation :

None.

Logical Format :

CHAR(1)

5.243 Data Item : 'Start Day {Date Block}'

Description :

The inclusive day of the month, expressed numerically, on which a Date Block commences.

Attributes :

Start Day {Date Block} - Date Block

Start Day {Date Block} - Clock Interval

Validation :

Must be a valid day number for End Month, eg between 1 and 30 inclusive for September (9). Maximum value for February is 28.

Logical Format :

INT(2)

Notes :

As Date Blocks may overlap, no validation is required to prevent this.

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5.244 Data Item : 'Start Month {Date Block}'

Description :

The month in which a season Date Block commences.

Attributes :

Start Month {Date Block} - Date Block

Start Month {Date Block} - Clock Interval

Validation :

Integer between 1 (for January) and 12 (for December) inclusive.

Logical Format :

INT(2)

Notes :

See Start Day {Date Block}.

5.245 Data Item : 'Start Time'

Description :

A time at which time-switched metering system registers associated with a Time Pattern Regime are instructed to switch ON.

Attributes :

Start Time - Time Block

Start Time - Clock Interval

Validation :

None

Logical Format :

TIME

Notes :

End time and start time must not be the same.

5.246 Data Item : 'Sunset Variable'

Description :

The number of minutes that the sun sets after 1800 hours GMT (negative if before).

This item is derived from *Time of Sunset*. It is assumed that *Time of Sunset* will be received in advance of a settlement run via electronic file.

Attributes :

None

Validation :

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None

Logical Format :

INT(3)

5.247 Data Item : 'Supplier's Demand Disconnection Volume (Losses)'

Description :

The estimate of the disconnected energy lost due to line and transformer loss incurred transferring energy between a Grid Supply Point and a metering system, summed for a Supplier by Consumption Component Class within a GSP Group in a Settlement Period.

Attributes :

Supplier's Demand Disconnection Volume (Losses) - Supplier's Demand Disconnection Volume Data File

Validation :

None.

Logical Format :

± NUM(14,4)

External Format: NUM(13,3)

5.248 Data Item : 'Supplier's Demand Disconnection Volume'

Description :

The sum of the Supplier Demand Disconnection Volume for a GSP Group.

Attributes :

Supplier's Demand Disconnection Volume - Supplier's Demand Disconnection Volume Data File.

Validation :

None.

Logical Format :

± NUM(14,4)

External Format: NUM(13,3)

5.249 Data Item : 'Supplier Id'

Description :

The unique national identifier for a Supplier of electricity. This is a compound item made up of Market Participant Role Code (for Supplier) and Market Participant Id.

Attributes :

None

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5.250 Data Item : 'Supplier Market Participant Id'

Description :

This is a synonym of Market Participant Id.

Attributes :

See Market Participant ID

5.251 Data Item : 'Supplier Market Participant Role Code'

Description :

This is a synonym of Market Participant Role Code.

Attributes :

See Market Participant Role Code

5.252 Data Item : 'Supplier Name'

Description :

The name of an electricity supplier.

Attributes :

None

Synonyms :

Synonym of Market Participant Name.

5.253 Data Item : 'Supplier Period Weighted Consumption'

Description :

Supplier Period Weighted Consumption (SGT) is the sum, for a Supplier per Settlement Period, of the Corrected Component Totals for each consumption component class which is GSP Group corrected. This value is capped at the Unadjusted Supplier Deemed Take for the Supplier and Settlement Period.

(The Corrected Component for a Consumption Component Class, n, and Settlement Period, j:

Cnj * (1 + (CFgj-1)*Wn)

Where Cnj is the unadjusted consumption for Consumption Component Class n in Settlement Period j; Wn is the corresponding GSP Group Correction Factor; and CFgj is the Consumption Component Class for the Settlement Period.).

Attributes :

Supplier Period Weighted Consumption - Period Supplier Purchase

Validation :

None

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Logical Format :

NUM(14,4)

External Format: NUM(13,3)

5.254 Data Item : 'Switched Load Indicator'

Description :

A bi-state indicator which indicates whether metering system registers associated with the Measurement Requirement are used for switching loads.

Attributes :

Switched Load Indicator - Valid Measurement Requirement Profile Class

Validation :

None

Logical Format :

BOOLEAN

5.255 Data Item : 'Switched Load Profile Class Ind'

Description :

Indicates whether or not the Profile Class can be used for metering systems with switched load.

Attributes :

Switched Load Profile Class Ind - Profile Class

Validation :

None

Logical Format :

BOOLEAN

5.256 Data Item : 'System Market Participant Id'

Description :

The Market Participant Id of the Agent running the ISRA system.

Attributes :

System Market Participant Id - System Configuration

Validation :

None

Logical Format :

CHAR(4)

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5.257 Data Item : 'System Market Participant Role Code'

Description :

The Market Participant Role Code of the Agent running the system.

Attributes :

System Market Participant Role Code - System Configuration

Validation :

None

Default Value :

'G' (ISR Agent)

Logical Format :

CHAR(1)

5.258 Data Item : 'Tele-switch Contact Code'

Description :

An identifier for one of the four logical switches within a tele-switch receiver.

Attributes :

Tele-switch contact code - Tele-switch Contact Interval

Tele-switch contact code - Tele-switch Contact Rule

Tele-switch contact code - Tele-switch Contact

Validation :

A, B, C or D.

Logical Format :

CHAR(1)

5.259 Data Item : 'Tele-switch Contact Rule'

Description :

Defines whether a register rule is satisfied. (see entity tele-switch contact rule)

Attributes :

Tele-switch contact rule - Tele-switch Contact Rule

Validation :

0,1

Logical Format :

CHAR(1)

5.260 Data Item : 'Tele-switch Contact State'

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Description :

Describes whether a tele-switch contact is ‘on’ or ‘off’

Attributes :

Tele-switch contact state - Tele-switch Contact Interval

Validation :

None

Logical Format :

BOOLEAN

5.261 Data Item : 'Tele-switch Date'

Description :

The date of Tele-switch data used in a Profile Production Run

Attributes :

Tele-switch Date - Profile Production Run

Validation :

None

Logical Format :

DATE

5.262 Data Item : 'Tele-switch Effective Time'

Description :

The time at which a tele-switch interval starts or ends

Attributes :

None. This is in the input file but processed before loading into tele-switch start date and time or tele-switch end date and time in Tele-switch Contact Interval

Validation :

None

Logical Format :

TIME

5.263 Data Item : 'Tele-Switch End Date and Time {Tele-switch Contact Interval}'

Description :

The date and time of day on which a tele-switch contact interval ends.

Attributes :

Tele-switch End Date and Time - Tele-switch Contact Interval

Validation :

Must be a valid calendar date and valid time of day. Must be later than associated Tele-switch Start Date and Time

Logical Format :

Datetime

5.264 Data Item : 'Tele-switch End Time'

A time at which tele-switched metering system registers associated with a Time Pattern Regime are instructed to switch OFF.

Attributes :

Tele-switch End Time - Tele-switch Interval

Validation :

None

Logical Format :

TIME

5.265 Data Item : 'Tele-switch Group Id'

Description :

An identifier for one of the groups of tele-switches controlled by a tele-switch user.

Attributes :

Tele-switch Group Id - Tele-switch Group

Tele-switch Group Id - Tele-switch Time Pattern Regime

Tele-switch Group Id - Tele-switch Contact Interval

Tele-Switch Group Id - Standard Settlement Configuration

Validation :

None

Logical Format :

INT(4)

5.266 Data Item : 'Tele-switch Register Rule Id'

Description :

An identifier for a register rule which defines when a register is recording.

Attributes :

Tele-switch Register Rule Id - Tele-switch Contact Rule

Tele-switch Register Rule Id - Tele-switch Register Rule

Validation :

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None

Logical Format :

INT(2)

5.267 Data Item : 'Tele-Switch SSC Dummy'

Description :

A dummy value to be used in the SSC report. This is required for consistency with an earlier version of the report where there was an extra field defined. This takes a constant value of 'A'

Attributes :

None

Validation :

'A' - no validation (constant fixed value)

Logical Format :

CHAR(1)

5.268 Data Item : 'Tele-Switch Start Date and Time {Tele-switch Contact Interval}'

Description :

The date and time of day on which a tele-switch contact interval starts.

Attributes :

Tele-switch Start Date and Time - Tele-switch Contact Interval

Validation :

Must be a valid calendar date and valid time of day.

Logical Format :

Datetime

5.269 Data Item : 'Tele-switch Switch Status'

A status indicating On or Off. Derived from Tele-switch Switching Time and Tele-Switch On Duration.

Attributes :

None

Validation :

None

Logical Format :

CHAR(1)

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5.270 Data Item : 'Tele-switch Start Time'

A time at which tele-switched metering system registers associated with a Time Pattern Regime are instructed to switch ON.

Attributes :

Tele-switch Start Time - Tele-switch Interval

Validation :

None

Logical Format :

TIME

5.271 Data Item : 'Tele-switch User Id'

Description :

The identifier for a user (an electricity supplier) of the tele-switch control unit.

Attributes :

Tele-switch User Id - Tele-switch Group

Tele-switch User Id - Tele-switch Time Pattern Regime

Tele-Switch User Id - Standard Settlement Configuration

Logical Format :

NUM(2)

5.272 Data Item : 'Tele-switch/Clock Indicator'

Description :

An indicator showing whether a Time Pattern Regime is controlled by a tele-switch or a timeswitch (clock). It is used to determine which Time Pattern Regime sub-type is used. (The data item is implicit in the use of sub-types.)

Attributes :

None

Validation :

Values 'S' (Switch) or 'C' (Clock).

Logical Format :

CHAR(1)

5.273 Data Item : 'Time of Sunset'

Description :

The time of sunset for a GSP Group.

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Attributes :

Time of Sunset - Daily Profile Parameters

Validation :

None

Logical Format :

TIME

5.274 Data Item : 'Time Pattern Regime Id'

Description :

The identifier for the time pattern regime being used to calculate money owed for energy used by each customer.

Attributes :

Time Pattern Regime Id - Time Pattern Regime

Time Pattern Regime Id - Tele-switch Time Pattern Regime

Time Pattern Regime Id - Clock Time Pattern Regime

Time Pattern Regime Id - Period Time Pattern State

Time Pattern Regime Id - Measurement Requirement

Time Pattern Regime Id - Clock Interval

Time Pattern Regime Id - Valid Measurement Requirement Profile Class

Time Pattern Regime Id - Settlement Class

Time Pattern Regime Id - Average Fraction Of Yearly Consumption

Time Pattern Regime Id - Period Profile Class Coefficient

Time Pattern Regime Id - Daily Profile Coefficient

Time Pattern Regime Id - Supplier Purchase Matrix

Time Pattern Regime Id - Profiled SPM

Time Pattern Regime Id - Tele-switch Interval

Tele-switch Time Pattern Regime Id - Tele-switch Register Rule

Tele-switch Time Pattern Regime Id - Tele-switch Contact Rule

Validation :

None

Logical Format :

CHAR(5)

5.275 Data Item : 'Total Actual Consumption'

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Description :

The sum over all Settlement Periods in a day for a Supplier, Data Aggregator GSP Group combination of the Aggregated Supplier Consumption {ASDAPC} for the Consumption Component Class identifying HH, Metered, Actual, Consumption, Import.

Attributes :

None

Validation :

None

Logical Format :

NUM(13,3)

5.276 Data Item : 'Total Actual MSID Count'

Description :

Derived from the sum of MSID counts for actual consumption component classes.

Attributes :

None

Validation :

None

Logical Format :

INT(10)

5.277 Data Item : 'Total Aggregated Supplier Actual HH Consumption'

Description :

A derived item for the Energy Breakdown Report. Formed by summing the Aggregated Supplier Consumption {ASPC} for all settlement periods in a day for the Consumption Component Class identifying HH, Actual, Consumption, Import. This is either for a particular GSP Group or as a total across all GSP Groups.

Attributes :

None

Validation :

None

Logical Format :

NUM(13,3)

5.278 Data Item : 'Total Aggregated Supplier Estimated HH Consumption'

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Description :

A derived item for the Energy Breakdown Report. Formed by summing the Aggregated Supplier Consumption {ASPC} for all settlement periods in a day for the Consumption Component Class identifying HH, Estimated, Consumption, Import. This is either for a particular GSP Group or as a total across all GSP Groups.

Attributes :

None

Validation :

None

Logical Format :

NUM(13,3)

5.279 Data Item : 'Total Aggregated Supplier Profiled AA Consumption'

Description :

A derived item for the Energy Breakdown Report. Formed by summing the Aggregated Supplier Consumption {ASPC} for all settlement periods in a day for the Consumption Component Class identifying NHH, Metered, AA, Consumption , Import. This is either for a particular GSP Group or as a total across all GSP Groups.

Attributes :

None

Validation :

None

Logical Format :

NUM(13,3)

5.280 Data Item : 'Total Aggregated Supplier Profiled EAC Consumption'

Description :

A derived item for the Energy Breakdown Report. Formed by summing the Aggregated Supplier Consumption {ASPC} for all settlement periods in a day for the Consumption Component Class identifying NHH, Metered, EAC, Consumption , Import. This is either for a particular GSP Group or as a total across all GSP Groups.

Attributes :

None

Validation :

None

Logical Format :

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NUM(13,3)

5.281 Data Item : 'Total Aggregated Supplier Unmetered Consumption'

Description :

A derived item for the Energy Breakdown Report. Formed by summing the Aggregated Supplier Consumption {ASPC} for all settlement periods in a day for the Consumption Component Classes identifying HH and NHH, Actual & Estimated, Unmetered, Consumption, Import. This is either for a particular GSP Group or as a total across all GSP Groups.

Attributes :

None

Validation :

None

Logical Format :

NUM(13,3)

5.282 Data Item : 'Total CCC Aggregated Supplier Consumption'

Description :

The sum of *Aggregated Supplier Consumption* over all suppliers for a GSP Group and Consumption Component Class for a settlement period prior to GSP Group Correction.

Attributes :

None

Validation :

None

Logical Format :

NUM(14,4)

External Format: NUM(13,3)

5.283 Data Item : 'Total CCC Aggregated Supplier Line Loss'

Description :

The sum of *Aggregated Supplier Line Loss* over all suppliers for a GSP Group and Consumption Component Class for a settlement period prior to GSP Group Correction.

Attributes :

None

Validation :

None

Logical Format :

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NUM(14,4)

External Format: NUM(13,3)

5.284 Data Item : 'Total CCC Corrected Supplier Consumption'

Description :

The sum of *Corrected Supplier Consumption* over all suppliers for a GSP Group and Consumption Component Class for a settlement period post GSP Group Correction.

Attributes :

None

Validation :

None

Logical Format :

NUM(14,4)

External Format: NUM(13,3)

5.285 Data Item : 'Total CCC Corrected Supplier Line Loss'

Description :

The sum of *Corrected Supplier Line Loss* over all suppliers for a GSP Group and Consumption Component Class for a settlement period post GSP Group Correction.

Attributes :

None

Validation :

None

Logical Format :

NUM(14,4)

External Format: NUM(13,3)

5.286 Data Item : 'Total CCC MSID Count'

Description :

The sum of *Aggregated Supplier MSID Count* over all Suppliers for a GSP Group and Consumption Component Class for a Settlement Period.

Attributes :

None

Validation :

None

Logical Format :

INT(8)

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5.287 Data Item : 'Total Estimated Consumption'

Description :

The sum over all Settlement Periods in a day for a Supplier, Data Aggregator GSP Group combination of the Aggregated Supplier Consumption {ASDAPC} for the Consumption Component Class identifying HH, Metered, Estimated, Consumption, Import.

Attributes :

None

Validation :

None

Logical Format :

NUM(13,3)

5.288 Data Item : 'Total Estimated MSID Count'

Description :

Derived from the sum of MSID counts for estimated consumption component classes.

Attributes :

None

Validation :

None

Logical Format :

INT(10)

5.289 Data Item : 'Total Period NPG Spill'

Description :

The Total Period NPG Spill for a period is the sum of all Unadjusted Supplier Deemed Takes for that period that have a negative value. (Thus Total Period NPG Spill must be zero or negative.)

Attributes :

Total Period NPG Spill - SSR Run GSP Group Period

Validation :

Must be zero or negative.

Logical Format :

NUM(14,4)

External Format: NUM(13,3)

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5.290 Data Item : 'Total Period Weighted Consumption'

Description :

The Total Period Weighted Consumption (TGT) for a period is the sum of all Supplier Period Weighted Consumptions (SGT) for that period.

Attributes :

Total Period Weighted Consumption - SSR Run GSP Group Period

Validation :

None

Logical Format :

NUM(14,3)

External Format: NUM(13,3)

5.291 Data Item : 'Total Supplier Deemed Take'

Description :

A derived item for the Votes and Shares Report. Formed by summing the adjusted Supplier deemed take for a Supplier over a range of settlement dates. This is for all GSP Groups. Units are MWh.

Attributes :

None

Validation :

None

Logical Format :

NUM(14,4)

External Format: NUM(13,3)

5.292 Data Item : 'Total Unmetered Consumption'

Description :

The sum over all Settlement Periods in a day for a Supplier, Data Aggregator GSP Group combination of the Aggregated Supplier Consumption {ASDAPC} for the Consumption Component Class identifying HH, Unmetered, Actual & Estimated, Consumption, Import.

Attributes :

None

Validation :

None

Logical Format :

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NUM(14,3)

External Format: NUM(13,3)

5.293 Data Item : 'Total Unmetered MSID Count'

Description :

Derived from the sum of MSID counts for unmetered consumption component classes.

Attributes :

None

Validation :

None

Logical Format :

INT(10)

5.294 Data Item : 'Transmission Loss Multiplier'

Description :

The multiplication factor which converts MWh into energy actually supplied by the generating company(ies).

Attributes :

Transmission Loss Multiplier - Settlement Period Prices

Validation :

Number.

Logical Format :

NUM(10,9)

5.295 Data Item : 'Transmission Losses Reconciliation Multiplier'

Description :

For a Settlement Period in a Transmission Service Day, the scaling factor used in the determination of Transmission Services Reconciliation Demand.

Attributes :

Transmission Losses Reconciliation Multiplier - Settlement Period Prices

Validation :

Number.

Logical Format :

NUM(8,6)

5.296 Data Item : 'Unadjusted Supplier Deemed Take'

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Description :

The deemed take at GSP level for a Supplier during a half hour period before any adjustments have been made during Non Pooled Generation spill processing.

Attributes :

Unadjusted Supplier Deemed Take - Period Supplier Purchase

Validation :

None

Logical Format :

NUM(14,4)

External Format: NUM(13,3)

5.297 Data Item : 'Uncorrected Period BM Unit Total Allocated Volume'

Description :

A derived item detailing total energy allocated to a BM Unit before group correction is applied for a half hour period of a Settlement Day. Derived by:

- for a BM Unit, summing Aggregated BM Unit Energy and Line Losses across Consumption Component Classes.

Attributes :

None

Validation :

None

Logical Format :

NUM(14,4)

External Format: NUM(14,4)

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6 Entity Population

6.1 Introduction

This section outlines the expected population of each entity held by the ISRA System. It is structured into the following order:

- Calculations - These are the fundamental parameters and the calculations based on them. The calculations are broken down into a number of sequential steps.
- Initial and Likely Populations - These are the entity populations derived from the calculations. Entities which have common population characteristics are grouped together.
- Summary - This lists the total populations derived above, but with the entities ordered alphabetically.

Two sets of figures are presented:

Initial These figures are based as closely as possible on the initial figures in the URS.

Likely These are based on discussions with the 1998 Programme Embedded Team at Logica, and represent a prediction of the likely population.

The calculations are identical for both sets, with only the base parameters being varied.

One of the drivers for many of the entity populations is the number of cells in the Supplier Purchase Matrix. This in turn is controlled by 3 key parameters:

SSC_FACTOR The average Proportion of Standard Settlement Configurations used in each GSP Group

LLFC_FACTOR The average number of Line Loss Factor Classes per Valid Measurement Requirement Profile Class for a distributor.

SUP_FACTOR The average proportion of Suppliers using each Standard Settlement Configuration.

The values of these factors have been discussed with the 1998 Programme Embedded Team, and are thought to be reasonable. However they have not as far as we are aware been verified. This is a concern, as they are crucial to determining the entity population and hence the viability of the ISRA System.

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6.2 Calculations

Numbers in **bold** are basic parameters, all other numbers are calculated from them using the derivation indicated.

6.2.1 Time

Description	Initial	Likely	Label	Per	Derivation
Settlement Periods per day	**48**	**48**	SPD	Day	Base number - half hour settlement periods
Online Retention Period (days)	**731**	**731**	RPD	Total	2 Years
Online Retention Period (years)	2	2	RPY	Total	Retention Period years (rounded up)
Standing Data Retention Period (years)	**7**	**7**	SDRPDY		[ISRAURS]
Days per week	**7**	**7**	DAYS_PER_WEEK		Fixed

6.2.2 Number of Runs

Description	Initial	Likely	Label	Per	Derivation
Profile production runs per settlement day	**2**	**1.1**	PRPSD	SD	[ISRAURS]
Average number of SSA/CDCA Settlement Runs per settlement day	**2**	**2**	AVG_SSA_SD	SD	[ISRAURS]
Settlements per settlement day	**5**	**5**	SRPSD	SD	Revised
Max settlement days processed per working day	**3**	**5**	SDPWD	WD	[ISRAURS]
Peak runs per working day	15	25	SRPWD	WD	runs per settlement day * settlement days per working day
Number of retained runs	3655	3655		Total	Settlement runs per settlement day * retention period

6.2.3 Base Numbers for Settlement

Description	Initial	Likely	Label	Per	Derivation
Suppliers	**29**	**29**	SUP	Total	[ISRAURS] Appendix A
Line Loss Factor Classes per Distributor	**2**	**163**	LLFCPD	Distributor	[ISRAURS] Appendix A
GSP Groups per Distributor	**1**	**0.33**	GSPPD	Distributor	[ISRAURS] Appendix A
Distributors per GSP Group	**1**	**5**	DISPG	GSP	Estimate
NHH Data Aggregators per GSP Group	**1**	**1**	DAPG	GSP	[ISRAURS] Appendix A
HH Data Aggregators	**15**	**15**	HHDA	Total	Estimate

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Description	Initial	Likely	Label	Per	Derivation
Standard Settlement Configurations	**482**	**1520**	SSC	Total	[ISRAURS] Appendix A
Profile Classes	**8**	**8**	PC	Total	[ISRAURS] Appendix A
Distributors	**12**	**40**	DIS	Total	[ISRAURS] Appendix A
Valid Standard Settlement Configuration Profile Class	**820**	**4500**	VSSCPC	Total	[ISRAURS] Appendix A
NHH Data Collectors	**20**	**20**	DC	Total	12 original Distributors, plus a few more
Average number of GSP Groups served by a Data Collector	**1.5**	**1.5**	AVG_GSP_DC	DC	
BM Units for Supplier in GSP Group	**696**	**4000**	BMUIGG	Total	Initial figure assumes a Default BM Unit and one other BM Unit for each Supplier and GSP Group (GSP*SUP*2)

6.2.4 Factors applied to the base numbers

Description	Initial	Likely	Label	Per	Derivation
Proportion of SSCs used in each GSP Group	**1**	**0.2**	SSC_FACTOR		Probably about 0.1 or 0.2 based on discussions with the 1998 Programme Embedded Team
LLFCs per Distributor per VMRPC	**2**	**2**	LLFC_FACTOR		Probably not much more that 1 based on discussions with the 1998 Programme Embedded Team
Proportion of Suppliers per SSC	**0.0515**	**0.0515**	SUP_FACTOR		Based on [ISRAURS], see next row
Suppliers per SSC	1.494	1.494			The above * number of suppliers ([ISRAURS] has 1.5)
Average Measurement Requirements per Standard Settlement Configuration	**2.22**	**3**	AMRSSC		[ISRAURS]

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6.2.5 Derived Numbers for settlement

Description	Initial	Likely	Label	Per	Derivation
GSP Groups	12	13	GSP		GSP per distributor * distributors
Measurement Requirements	1070	4560	MR	Total	SSC*AMRSSC
Average Profile Classes per standard settlement configuration	1.701	2.961	APCSSC		Simple calculation VSSCPC/SSC
Valid Measurement Requirement Profile Class	2184	16200	VMRPC		Measurement Requirements * number of profiles per SSC + 20% to allow for the assumption that the SSCs with the most profile classes are also likely to be the ones with the most measurement requirements
NHH BM Unit Allocations	**139**	**7246**	NHHBMUA		Initial = (Initial Number of BM Units available - Initial Number of Defaults) * 4 (the number of VSCPC per NHH BM Unit) * 10% (the percentage of non-default BM Units with NHH component) Likely = (Total Number of BM Units available - Number of Defaults) * 4 (the number of VSCPC per NHH BM Unit) * 50% (the percentage of non-default BM Units with NHH component)

6.2.6 Supplier Purchase Matrix - Per Data Agg. in a GSP Grp per settlement

Description	Initial	Likely	Label	Per	Derivation
Suppliers	29	29	SUP_DAGG	DAGG	Assumes all suppliers trade in all GSP Group, but only use one data aggregator, ie suppliers / da per gsp group
Valid Measurement Requirement Profile Class	2184	3240	VMRPC_DAGG	DAGG	Reduced by the SSCs per GSP Group factor
Supplier Purchase Matrix Cells	6524	48390	SPM_DAGG	DAGG	VMRPC_DAGG*LLFC_FACTOR*SUP_DAGG*SUP_FACTOR

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Description	Initial	Likely	Label	Per	Derivation
					*DISPG
Totals					
Supplier Purchase Matrix Cells per GSP Group per Settlement	6524	48390	SPM_GSPST	GSPST	The above times number of NHH data aggregators per GSP Group
Supplier Purchase Matrix Cells per GSP Group per Settlement Day	32620	241950	SPM_GSPSD	GSPSD	SPM_DAGG*DAPG*SRPSD

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6.2.7 Period Consumption/purchase

Description	Initial	Likely	Label	Per	Derivation
HH Consumption Component Classes	**22**	**22**	HHCCC	Total	[ISRAURS]
NHH Consumption Component Classes	**6**	**10**	NHHCCC	Total	[ISRAURS]
HH Suppliers per GSP group	29	29	HHSUP_GSP	GSP	Assume all suppliers operate in all GSP Groups
NHH Suppliers per GSP group	29	29	NHHSUP_GSP	GSP	Assume all suppliers operate in all GSP Groups
Suppliers per GSP Group	29	29	SUP_GSP	GSP	Assume all suppliers operate in all GSP Groups
HHDA Per Supplier Per GSP Group	**2**	**2**	HHDA_SG	GSP	Estimate
Aggregated Supplier DA Period Consumption	61248	61248	ASDAPC_GSPST	GSPST	HHCCC*HHSUP_GSP*HHDA_SG*SPD
Aggregated Supplier Period Consumption	38976	44544	ASPC_GSPST	GSPST	(HHCCC*HHSUP_GSP+NHHCCC*NHHSUP_GSP)*SPD
Aggregated BM Unit Period Consumption	413583	472615	ABPC_GSPST	GSPST	((HHCCC+NHHCCC) * BMUIGG * SPD) / GSP
Period Supplier Purchase	1392	1392	PSP_GSPST	GSPST	GSP_SUP*SPD
Total DA-Supplier relationships	87	87	SDA_GSPST	GSPST	DAPG*NHHSUP_GSP+HHDA_SG*HHSUP_GSP

6.2.8 Line Loss Factors

Description	Initial	Likely	Label	Per	Derivation
Settlement Period Line Loss Factors per distributor per settlement day	96	7824	SPLLF_DISSD	DISSD	Number of classes * periods per day.

6.2.9 Base Numbers for Profiles

Description	Initial	Likely	Label	Per	Derivation
Switched load Profile Classes	**1**	**2**	SL_PC	Total	[ISRAURS] Appendix A
Average number of durations profiled for each switched load profile class (in addition to 24hr one)	**1**	**20**	AVG_SL_P	Total	[ISRAURS] Appendix A
Profile sets per year	**1**	**1**	PRFS_PY	Per year	Profile sets provided per year
Specific Day Types	**7**	**14**	SPEC_DAYTYPE	Total	Day types that only

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Description	Initial	Likely	Label	Per	Derivation
					occur in one season eg Christmas, Easter
General Day Types	**3**	**3**	GEN_DAYTYPE	Total	Day types that occur in all seasons: weekday, sat, sun
Seasons	**5**	**5**	SEASON	Total	
Coefficients per equation	**8**	**8**	COEFF	per Eqn	
TPR_factor	**1**	**1**			Average number of measurement requirements for each time pattern regime - 1 is worst case
Tele-switch Users	**16**	**16**	TELE_USER		[ISRAURS] Appendix A
Avg Tele-switch Groups per user	**20**	**20**	TELE_GROUP		[ISRAURS] Appendix A
Contacts per tele-switch group	**2**	**2**	TELE_SW		[ISRAURS] Appendix A
Avg teleswitch intervals per TPR per day	**1.5**	**1.5**	AVG_TELE_INT	TPR	Clock intervals per time pattern regime
Avg time blocks per day per TPR	**2**	**2**	AVG_TB_TPR_DAY	TPR	Estimate
Avg dateblocks per year per TPR with multiple dateblocks	**4**	**4**	AVG_DB		Assume time clocks changed very rarely
Proportion of TPRs using date blocks	**0.1**	**0.1**	TPR_DB_FACTOR		10% of time pattern regimes.-estimate
Proportion of valid SSC, profile class combinations which are for switched load	**0.429**	**0.429**	VSSC_SW_FACTOR		Back calculated form the [ISRAURS]

6.2.10 Calculated Values - Equations

Description	Initial	Likely	Label	Per	Derivation
Profiles	9	48	PROF	Total	PC+AVG_SL_P*SL_PC
Profile Sets	18	96	PRFS	Total	PRFS_PY*PROF*RPY
Profile Regression Equation Sets per profile set	22	29	PRE_SET_PS	PRFS	GEN_DAYTYPE*SEASON+SPEC_DAYTYPE
Period Regression Equations per profile set	1056	1392	PRE_PS	PRFS	PRE_SET_PS*SPD
Regression Coefficients per profile set	8448	11136	RC_PS	PRFS	PRE_PS*COEFF

6.2.11 Calculated values - Time Patterns

Description	Initial	Likely	Label	Per	Derivation

Description	Initial	Likely	Label	Per	Derivation
Time Pattern Regimes	1070	4560	TPR	Total	Measurement requirements divided by tpr_factor
Tele-switch Time pattern Regimes	640	640	TELE_TPR	Total	Tele-switch users * groups * switches, with total number of time patterns as an upper bound
Clock based time pattern regimes	430	3920	CLOCK_TPR	Total	TPR-TELE_TPR
Tele-switch Contact Intervals per settlement day	960	960	TSI_SD	SD	TELE_TPR * average number of intervals per day
Clock intervals	7826	71344	CLOCK_INT	Total	(CLOCK_TPR*(1-TPR_DB_FACTOR) + CLOCK_TPR*TPR_DB_FACTOR*AVG_DB) * AVG_TB_TPR_DAY *DAYS_PER_WEEK

6.2.12 Intermediate Profile Data

Description	Initial	Likely	Label	Per	Derivation
Period Time Pattern State	51360	218880	PTPS_SDPR	SDPR	TPR*SPD (Per Settlement Day/Profile Run)
Basic Period Profile Coefficient	432	2304	BPPC_GSPSDPR	GSPSDPR	PROF*SPD (Per GSP/Settlement Day/Profile Run)
Combined Period Profile Coefficient	16896	92688	CPPC_GSPSDPR	GSPSDPR	VSSCPC * VSSC_SW_FACTOR * SPD (Per GSP/Settlement Day/Profile Run)

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6.2.13 Resultant Profile Data

Description	Initial	Likely	Label	Per	Derivation
Period Profile Class Coefficient	104832	777600	PPCC_GSPSDPR	GSPSDPR	VMRPC*SPD (Per GSP/Settlement Day/Profile Run)
Daily Profile Coefficient	2184	16200	DPC_GSPSDPR	GSPSDPR	VMRPC (Per GSP/Settlement Day/Profile Run)

6.2.14 Other Base Numbers

Description	Initial	Likely	Label	Per	Derivation
Measurement Quantity	2	2	MEASQ	Total	Active kW Import and Active kW Export only
GSP Group Correction Scaling Factor Changes per year	1	1	GCSF_CCC_Y	Year	

6.2.15 Data Files (most populous)

Description	Initial	Likely	Label	Per	Derivation
Supplier Purchase Matrix Data	1	1	FILE_SPM	GSPST	DAPG
Aggregated Half Hourly Data	15	15	FILE_AHH	GSPST	HHDA
SPM Report	29	29	REP_SPM	GSPST	SUP
Total per GSP Group per Settlement	45	45	FILE_GSPST	GSPST	FILE_SPM+FILE_AHH+REP_SPM
HH Demand Report	29	29	REP_HHD	SETLMNT	SUP
Deemed Take Report	29	29	REP_DTR	SETLMNT	SUP
Supplier BM Report	29	29	REP_SUP_BM	SETLMNT	SUP
Supplier Purchase Report	29	29	REP_SPR	SETLMNT	SUP
TUOS Report	1	1	REP_TUOS	SETLMNT	Only one.
DUOS Report	12	40	REP_DUOS	SETLMNT	DIS
Other optional reports - eg Performance	**5**	**5**	FILE_OTHER_ST	SETLMNT	Guess

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Description	Initial	Likely	Label	Per	Derivation
	134	162	FILE_ST	SETLMNT	REP_HHD + REP_DTR + REP_SPR + REP_SUP_BM + REP_DUOS + REP_TUOS + FILE_OTHER_ST

6.3 Initial Population

6.3.1 ISRA Settlement Run Related Data (Initial)

	Per Settlement run per GSP group	Derivation	Total For all GSP Groups	Total for all settlement runs for a settlement day	Total for online retention period
Factor			12	6	731
Aggregated Supplier DA Period Consumption	61,248	ASDAPC_GSPST	734,976	3,674,880	2,686,337,280
Aggregated BM Unit Period Consumption	413,538	ABPC_GSPST	5,376,000	26,880,000	19,649,280,000
Aggregated Supplier Period Consumption	38,976	ASPC_GSPST	467,712	2,338,560	1,709,487,360
GSP Grp Correction Scaling Factor used in SSR Run	28	HHCCC + NHHCCC	N/A	140	102,340
Period Supplier Purchase	1,392	PSP_GSPST	16,704	83,520	61,053,120
Profiled SPM	313,152	SPM_GSPST * SPD	3,757,824	18,789,120	13,734,846,720
Settlement Period LLF used in SSR Run	96	SPLLF_DISSD	1,152	5,760	4,210,560
SSR Run	1	1 row per run	N/A	5	3,655
SSR Run GSP Group	1	1 row per run	12	60	43,860
SSR Run GSP Group Period	48	SPD	576	2,880	2,105,280
Supplier Data Aggregation	87	SDA_GSPST	1,044	5,220	3,815,820
Supplier Data Aggregation used in SSR Run	87	SDA_GSPST	1,044	5,220	3,815,820
Supplier Purchase Matrix	6,524	SPM_GSPST	78,288	391,440	286,142,640

6.3.2 Line Loss Factors (Initial)

	Per Settlement day per distributor	Derivation	Total For all Distributors	Total for online retention period
Factor			12	731

	Per Settlement day per distributor	Derivation	Total For all Distributors	Total for online retention period
Settlement Period Line Loss Factor	96	SPLLF_DISSD	1,152	842,112

6.3.3 Profile Run Data (Initial)

	Per Profile Prod run per GSP group	Derivation	Total For all GSP Groups	Total For all PP Runs	Total for online retention period
Factor			12	2	731
Basic Period Profile Coefficient	432	BPCC_GSPSDPR	5,184	Superseded runs not retained	3,789,504
Combined period profile Coefficient	16896	CPCC_GSPSDPR	202,752	Superseded runs not retained	148,211,712
Daily Profile Coefficient	2184	DPC_GSPSDPR	26,208	Superseded runs not retained	19,158,048
Period Profile Class Coefficient	104832	PPCC_GSPSDPR	1,257,984	Superseded runs not retained	919,586,304
Period Time Pattern State	51360	PTPS_SDPR	N/A	Superseded runs not retained	37,544,160
Profile Production Run	1	1 row per run	12	24	17,544

6.3.4 Other Daily Data (Initial)

	Per settlement day	Derivation	Total for online retention period
Factor			731
Daily Profile Parameters	12	GSP	8,772
Settlement	5	SRPSD	3,655
Settlement Day	1	One	731
Settlement Period	48	SPD	35,088
Tele-switch Interval	960	TSI_SD	701,760

6.3.5 SSA Settlement (Initial)

	Per SSA Run per GSP group	Derivation	Total for all GSP Groups	Total for all SSA Runs	Total for online retention period
Factor			12	2	731
GSP Group Take	48	SPD	576	1,152	842,112

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	Per SSA Run per GSP group	Derivation	Total for all GSP Groups	Total for all SSA Runs	Total for online retention period
Settlement Period Prices	48	One per SPD for all GSP	N/A	96	70,176
SSA Settlement GSP Group	1	One per GSP	12	24	17,544
SSA Settlement Run	1	One for all GSP	N/A	2	1,462

6.3.6 Data File (Initial)

	Per Settlement run per GSP group	Derivation	Total For all GSP Groups	Total for all settlement runs for a settlement day	Total for online retention period
Factor			12	5	731
Per Settlement per GSP	*45*	*FILE_GSPST*	*540*	*2,700*	*1,973,700*
Per Settlement	*105*	*FILE_ST*	*N/A*	*525*	*383,775*
Other files per settlement day	*200*	*Guess*	*N/A*	*N/A*	*146,200*
Data File				Total	2,503,675

6.3.7 Profile Sets (Initial)

	Per profile per profile set	Derivation	Total for all profiles	Total for all profile sets per year	Total for online retention period (years)
Factor			9	1	2
Period Regression Equation	1,056	PRE	9504	9,504	19,008
Profile Regression Equation Set	22	PRE_SET_PS	198	198	396
Profile Set	1	1	9	9	18
Regression Coefficient	8,448	PRE*COEFF	76032	76,032	152,064

6.3.8 Fixed Volume Standing Data (Initial)

	Total	Derivation	Total for online retention period
Average Fraction Of Yearly Consumption	4,368	VMRPC * RPY	4,368
Average Fraction Of Yearly Consumption Set	1,968	(VMRPC * RPY) / (MR/SSC)	1,968
Clock Interval	7,826	CLOCK_INT _TB	7,826
BM Unit For Supplier In	696	BMUIGG	696

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	Total	Derivation	Total for online retention period
GSP Group			
Clock Time Change	14	2*SDRPDY	14
Clock Time Pattern Regime	430	CLOCK_TPR	430
Consumption Component Class	28	HHCCC + NHHCCC	28
Data Aggregator (TOTAL_DA)	27	DAPG*GSP+HHDA	27
Data Aggregator In GSP Group	708	(DAPG + HHDA_SG * HHSUP_GSP) * GSP	708
Data Collector	20	DC	20
Data Collector in GSP Group	30	AVG_GSP_DC * DC	30
Date Block	428	AVG_DB * TPR_DB_FACTOR *TPR	428
Day Of The Week	7	DAYS_PER_WEEK	7
Day Type	17	GEN_DAYTYPE+SPEC_DAYTYPE	17
Distributor	12	DIS	12
File Location	100	Estimate	100
GSP Group	12	GSP	12
GSP Group Average EAC	216	PRFS*GSP	216
GSP Group Correction Scaling Factor	56	GCSF_CCC_Y * (HHCCC + NHHCCC) * RPY	56
GSP Group Distributor	12	GSPPD*DIS	12
Line Loss Factor Class	24	LLFCPD*DIS	24
Market Participant (TOTAL_MP)	76	DC + TOTAL_DA + SUP	76
Market Participant Role	76	TOTAL_MP	76
Market Role	10	Estimate	10
Measurement Quantity	2	MEASQ	2
Measurement Requirement	1,070	MR	1,070
Non-Half Hourly BM Unit Allocation	139	NHHBMUA	139
Profile	9	PROF	9
Profile Class	8	PC	8
Regression Coefficient Type	8	COEFF	8
Settlement Class	52,416	VMRPC * LLFC_FACTOR * SSC_FACTOR * GSP	52,416
Settlement Type	5	SRPSD	5
Standard Settlement Configuration	482	SSC	482

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	Total	Derivation	Total for online retention period
Supplier	29	SUP	29
Supplier In GSP Group	348	SUP_GSP*G SP	348
System Configuration	10	Estimate	10
Tele-switch Time Pattern Regime	640	TELE_TPR	640
Time Block	2,140	AVG_TB_TPR_DAY * TPR	2,140
Time Pattern Regime	1,070	TPR	1,070
Valid Measurement Requirement Profile Class	2,184	VMRPC	2,184
Valid Settlement Configuration Profile Class	820	VSSCPC	820

6.4 Likely Population

6.4.1 ISRA Settlement Run Related Data (Likely)

	Per Settlement run per GSP group	Derivation	Total For all GSP Groups	Total for all settlement runs for a settlement day	Total for online retention period
Factor			13	5	731
Aggregated Supplier DA Period Consumption	61,248	ASDAPC_GSPST	796,224	3,981,120	2,910,198,720
Aggregated Supplier Period Consumption	44,544	ASPC_GSPST	579,072	2,895,360	2,116,508,160
Aggregated BM Unit Period Consumption	472,615	ABPC_GSPST	6,143,995	30,719,975	22,456,301,725
GSP Grp Correction Scaling Factor used in SSR Run	32	HHCCC + NHHCCC	N/A	160	116,960
Period Supplier Purchase	1,392	PSP_GSPST	18,096	90,480	66,140,880
Profiled SPM	2,322,720	SPM_GSPST * SPD	30,195,360	150,976,800	110,364,040,800
Settlement Period LLF used in SSR Run	39,120	SPLLF_DISSD	508,560	2,542,800	1,858,786,800
SSR Run	1	1 row per run	N/A	5	3,655
SSR Run GSP Group	1	1 row per run	13	65	47,515
SSR Run GSP Group Period	48	SPD	624	3,120	2,280,720
SSR RUN LLF File	5	DISPG	65	325	237,575
Supplier Data Aggregation	87	SDA_GSPST	1,131	5,655	4,133,805
Supplier Data Aggregation used in SSR	87	SDA_GSPST	1,131	5,655	4,133,805

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	Per Settlement run per GSP group	Derivation	Total For all GSP Groups	Total for all settlement runs for a settlement day	Total for online retention period
Run					
Supplier Purchase Matrix	48,390	SPM_GSPST	629,070	3,145,350	2,299,250,850

6.4.2 Line Loss Factors (Likely)

	Per Settlement day per distributor	Derivation	Total For all Distributors	Total for online retention period
Factor			40	731
Settlement Period Line Loss Factor	7,824	SPLLF_DISSD	312,960	228,773,760

6.4.3 Profile Run Data (Likely)

	Per Profile Prod run per GSP group	Derivation	Total For all GSP Groups	Total For all PP Runs	Total for online retention period
Factor			13	1	731
Basic Period Profile Coefficient	2,304	BPCC_GSPSDPR	29,952	Superseded runs not retained	21,894,912
Combined period profile Coefficient	92,688	CPCC_GSPSDPR	1,204,944	Superseded runs not retained	880,814,064
Daily Profile Coefficient	16,200	DPC_GSPSDPR	210,600	Superseded runs not retained	153,948,600
Period Profile Class Coefficient	777,600	PPCC_GSPSDPR	10,108,800	Superseded runs not retained	7,389,532,800
Period Time Pattern State	218,880	PTPS_SDPR	N/A	Superseded runs not retained	160,001,280
Profile Production Run	1	1 row per run	13	14	10,453

6.4.4 Other Daily Data (Likely)

	Per settlement day	Derivation	Total for online retention period
Factor			731
Daily Profile Parameters	13	GSP	9,503
Settlement	5	SRPSD	3,655
Settlement Day	1	One	731

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	Per settlement day	Derivation	Total for online retention period
Settlement Period	48	SPD	35,088
Tele-switch Interval	960	TSI_SD	701,760

6.4.5 SSA/CDCA Settlement (Likely)

	Per SSA/CDCA Run per GSP group	Derivation	Total for all GSP Groups	Total for all SSA/CDCA Runs	Total for online retention period
Factor			13	2	731
GSP Group Take	48	SPD	624	1,248	912,288
Settlement Period Prices	48	One per SPD for all GSP	N/A	96	70,176
SSA/CDCA Settlement GSP Group	1	One per GSP	13	26	19,006
SSA/CDCA Settlement Run	1	One for all GSP	N/A	2	1,462

6.4.6 Data File (Likely)

	Per Settlement run per GSP group	Derivation	Total For all GSP Groups	Total for all settlement runs for a settlement day	Total for online retention period
Factor			13	5	731
Per Settlement per GSP	*45*	*FILE_GSPST*	*585*	*2,925*	*2,138,175*
Per Settlement	*162*	*FILE_ST*	*N/A*	*810*	*592,110*
Other files per settlement day	*200*	*Guess*	*N/A*	*N/A*	*146,200*
Data File				Total	2,876,485

6.4.7 Profile Sets (Likely)

	Per profile per profile set	Derivation	Total for all profiles	Total for all profile sets per year	Total for online retention period (years)
Factor			48	1	2
Period Regression Equation	1,392	PRE	66,816	66,816	133,632
Profile Regression Equation Set	29	PRE_SET_PS	1,392	1,392	2,784
Profile Set	1	1	48	48	96
Regression Coefficient	11,136	PRE*COEFF	534,528	534,528	1,069,056

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6.4.8 Fixed Volume Standing Data (Likely)

	Total	Derivation	Total for online retention period
Average Fraction Of Yearly Consumption	32,400	VMRPC * RPY	32,400
Average Fraction Of Yearly Consumption Set	10,800	(VMRPC * RPY) / (MR/SSC)	10,800
BM Unit For Supplier In GSP Group	4,000	BMUIGG	4,000
Clock Interval	71,344	CLOCK_INT_TB	71,344
Clock Time Change	14	2*SDRPDY	14
Clock Time Pattern Regime	3,920	CLOCK_TPR	3,920
Consumption Component Class	32	HHCCC + NHHCCC	32
Data Aggregator (TOTAL_DA)	28	DAPG*GSP+HHDA	28
Data Aggregator In GSP Group	767	(DAPG + HHDA_SG * HHSUP_GSP) * GSP	767
Data Collector	20	DC	20
Data Collector in GSP Group	30	AVG_GSP_DC * DC	30
Date Block	1,824	AVG_DB * TPR_DB_FACTOR *TPR	1,824
Day Of The Week	7	DAYS_PER_WEEK	7
Day Type	17	GEN_DAYTYPE+SPEC_DAYTYPE	17
Distributor	40	DIS	40
File Location	100	Estimate	100
GSP Group	13	GSP	13
GSP Group Average EAC	1,248	PRFS*GSP	1,248
GSP Group Correction Scaling Factor	64	GCSF_CCC_Y * (HHCCC + NHHCCC) * RPY	64
GSP Group Distributor	65	GSPPD*DIS	65
Line Loss Factor Class	6,520	LLFCPD*DIS	6,520
Market Participant (TOTAL_MP)	77	DC + TOTAL_DA + SUP	77
Market Participant Role	77	TOTAL_MP	77
Market Role	10	Estimate	10
Measurement	2	MEASQ	2

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	Total	Derivation	Total for online retention period
Quantity			
Measurement Requirement	4,560	MR	4,560
Non-Half Hourly BM Unit Allocation	7,246	NHHBMUA	7,246
Profile	48	PROF	48
Profile Class	8	PC	8
Regression Coefficient Type	8	COEFF	8
Settlement Class	84,240	VMRPC * LLFC_FACTOR * SSC_FACTOR * GSP	84,240
Settlement Type	5	SRPSD	5
Standard Settlement Configuration	1,520	SSC	1,520
Supplier	29	SUP	29
Supplier In GSP Group	377	SUP_GSP*GSP	377
System Configuration	10	Estimate	10
Tele-switch Time Pattern Regime	640	TELE_TPR	640
Time Block	9,120	AVG_TB_TPR_DAY * TPR	9,120
Time Pattern Regime	4,560	TPR	4,560
Valid Measurement Requirement Profile Class	16,200	VMRPC	16,200
Valid Settlement Configuration Profile Class	4,500	VSSCPC	4,500

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6.5 Entity Population Summary

This table summaries the figures in the two previous sections. The *ratio* column shows the ration between the *initial* and *likely* populations.

Entity	Initial	Likely	Ratio
Aggregated Supplier DA Period Consumption	2,686,337,280	2,910,198,720	1.08
Aggregated BM Unit Period Consumption	19,649,280,000	22,456,301,725	1.14
Aggregated Supplier Period Consumption	1,709,487,360	2,116,508,160	1.24
Average Fraction Of Yearly Consumption	4,368	32,400	7.42
Average Fraction Of Yearly Consumption Set	1,968	10,800	5.49
Basic Period Profile Coefficient	3,789,504	21,894,912	5.78
BM Unit For Supplier In GSP Group	696	4000	5.75
Clock Interval	7,826	71,344	9.12
Clock Time Change	14	14	1.00
Clock Time Pattern Regime	430	3,920	9.12
Combined period profile Coefficient	148,211,712	880,814,064	5.94
Consumption Component Class	28	32	1.14
Daily Profile Coefficient	19,158,048	153,948,600	8.04
Daily Profile Parameters	8,772	9,503	1.08
Data Aggregator	27	28	1.04
Data Aggregator In GSP Group	708	767	1.08
Data Collector	20	20	1.00
Data Collector in GSP Group	30	30	1.00
Data File	2,503,675	2,876,485	1.15
Date Block	428	1,824	4.26
Day Of The Week	7	7	1.00
Day Type	17	17	1.00
Distributor	12	40	3.33
File Location	100	100	1.00
GSP Group	12	13	1.08
GSP Group Average EAC	216	1,248	5.78
GSP Group Correction Scaling Factor	56	64	1.14
GSP Group Distributor	12	65	5.42
GSP Group Take	842,112	912,288	1.08
GSP Grp Correction Scaling Factor used in SSR Run	102,340	116,960	1.14
Line Loss Factor Class	24	6,520	271.67
Market Participant	76	77	1.01
Market Participant Role	76	77	1.01
Market Role	10	10	1.00
Measurement Quantity	2	2	1.00
Measurement Requirement	1,070	4,560	4.26
Non-Half Hourly BM Unit Allocation	139	7,246	52.13

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Entity	Initial	Likely	Ratio
Period Profile Class Coefficient	919,586,304	7,389,532,800	8.04
Period Regression Equation	19,008	133,632	7.03
Period Supplier Purchase	61,053,120	66,140,880	1.08
Period Time Pattern State	37,544,160	160,001,280	4.26
Profile	9	48	5.33
Profile Class	8	8	1.00
Profile Production Run	17,544	10,453	0.60
Profile Regression Equation Set	396	2,734	6.90
Profile Set	18	96	5.33
Profiled SPM	13,734,846,720	22,072,808,160	1.61
Regression Coefficient	152,064	1,069,056	7.03
Regression Coefficient Type	8	8	1.00
Settlement	3,655	3,655	1.00
Settlement Class	52,416	84,240	1.61
Settlement Day	731	731	1.00
Settlement Period	35,088	35,088	1.00
Settlement Period Line Loss Factor	842,112	228,773,760	271.67
Settlement Period LLF used in SSR Run	4,210,560	1,858,786,800	441.46
Settlement Period Prices	70,176	70,176	1.00
Settlement Type	5	5	1.00
SSA Settlement GSP Group	17,544	19,006	1.08
SSA Settlement Run	1,462	1,462	1.00
SSR Run	3,655	3,655	1.00
SSR Run GSP Group	43,860	47,515	1.08
SSR Run GSP Group Period	2,105,280	2,280,720	1.08
Standard Settlement Configuration	482	1,520	3.15
Supplier	29	29	1.00
Supplier Data Aggregation	3,815,820	4,133,805	1.08
Supplier Data Aggregation used in SSR Run	3,815,820	4,133,805	1.08
Supplier In GSP Group	348	377	1.08
Supplier Purchase Matrix	286,142,640	2,299,250,850	8.04
System Configuration	10	10	1.00
Tele-switch Interval	701,760	701,760	1.00
Tele-switch Time Pattern Regime	640	640	1.00
Time Block	2,140	9,120	4.26
Time Pattern Regime	1,070	4,560	4.26
Valid Measurement Requirement Profile Class	2,184	16,200	7.42
Valid Settlement Configuration Profile Class	820	4,500	5.49

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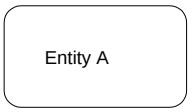
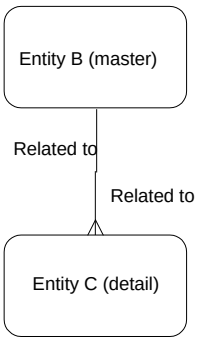
Appendix A Format of Logical Data Design

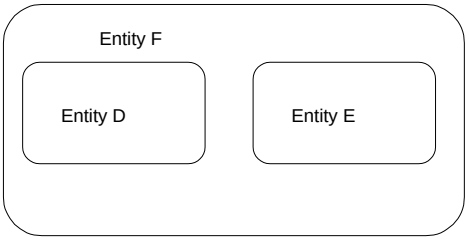
Logical Data Structure notation



A box (solid or dotted) denotes an entity.
A dotted box indicates that the entity also appears on another diagram.



A line between two boxes means there is a relationship between the two entities.
The entity at the single end of the line is termed the Master and the entity at the 'Crow's foot' end is termed the Detail. The relationship is called a 1:m relationship, in that the detail will have m occurrences for every single occurrence of the master.
An optional or 'may' relationship is denoted by a dotted line leaving an entity, whilst a mandatory or 'must' relationship is denoted by solid line leaving the entity.
In this example, we can say:
"Entity A " may be related to one or Entity B", and "Entity B"
must be related to one and only one "Entity A".
Note that the whole relationship can be optional (all dotted) or mandatory (all solid).



An entity may be found to have several alternative behaviours such that each occurrence of the entity is of a particular type. The entity can be represented as a super-type and the alternative behaviours represented as sub-types.
Super-types are represented by a large box within which the sub-types are represented by smaller boxes.

Entity Descriptions

Only those attributes that are relevant to the ISRA System are listed against entities. Thus, in some cases, attributes listed for an entity may differ from those listed against the entity in other Logical Data Designs delivered as part of this project.

Data Catalogue

The following Logical Formats are used to describe data items:

Logical Format Type	Format Description	Logical Length
BOOLEAN	boolean indicating true or false	1

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CHAR(n)	general purpose character string, containing any alpha, numeric and special characters where alpha characters are in the standard English language set.	n
DATE	date format yyyymmdd	8
DATETIME	date/time format yyyymmddhhmmss	14
INT(n)	decimal integer with n digits. May be positive or negative	n
NUM(n,m)	decimal number, with n digits. There are m digits to the right of the decimal point and n-m digits to the left of the decimal point. May be positive or negative.	n
TIME	time format hhmmss	6

The Logical Length is indicated in parentheses (n) after the format type.

Validation for data items conforming to the Logical Format for that item is implicit in all cases.

Where validation is to be carried out against an entity containing the valid values, the name of that entity is given. Clearly such validation cannot apply when the data item is used to populate such a table.

For some data items the external representation in data files, screens and reports differs from the internal format held by the system. This is generally for calculated values where more decimal places are held internally than are presented externally. Where this occurs, a second format code labelled *External Format* is included with the data item. Where this extra format code is not present, the internal and external representations are the same.

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