NETA Central Services

ISRA Operations Guide

Synopsis	This document provides information on SVAA system operations.
Client	ELEXON Limited
Version	23.~~0~~1
Version date	~~05 November 2015~~
Status	~~Final~~Draft
Prepared by	Cognizant
Approved by (Cognizant)	Project Manager

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Table Of Contents

1   Introduction

This document is the Operations Guide for the ISRA application software developed for the Electricity Pool.

1.1   Purpose

The purpose of this Operations Guide is to provide information on the features of the ISRA system that will support the day-to-day operational business of organisations responsible for handling Settlement and Reconciliation.

1.2   Scope

The scope of this document is the operational aspects of the ISRA system. Detail pertaining to hardware and third party software is included only where necessary to support the description of the ISRA application software.

For system management aspects of the ISRA application software, refer to the ISRA System Management Guide.

For details of installation of the ISRA application software, refer to the ISRA Installation Guide.

Any comments on the accuracy and completeness of this guide are welcome. A Reader Response Form is contained at the back of this guide.

1.3   Structure of Document

The remainder of this document consists of the following sections:

- Section 2 gives a high-level overview of the ISRA system and shows its data interfaces, with a brief description of each;

- Section 3 outlines the operational schedule relating to the ISRA application software;

- Section 4 provides an introduction to the facilities for logging on to the ISRA system, and an overview of the user interface, including error messages and on-line help;

- Section 5 to section 22 contain information on the functions provided by the ISRA system for loading data, maintaining standing data maintaining market domain data and other static data;

- Section 23 and section 24 describe the functionality for maintaining parameters used by the system;

- Section 25 provides information on initiating a Settlement or Reconciliation run;

- Section 28 provides information on initiating a Profile Production Run;

- Section 29 provides information on to how to create and maintain the standing data control matrix for DF settlement runs;

- Section 30 and section 31 describe the functionality for extracting data;

- Section 32 provides information on maintaining user accounts and password change for both the System Manager and system user;

- Section 33 outlines the reports provided by the ISRA system.

Appendices to this document are as follows:

- Appendix A lists the error and status messages that may be generated by the ISRA application software;

- Appendix B shows examples of reports that can be generated from the ISRA system.

1.4 Amendment History

Version	Details
0.901	First draft to client
0.902	Addressing highest priority comments
0.903	Addressing severity 1, 2 and 3 comments
0.990	Addressing additional or outstanding comments from Pool and other comments
1.000	Authorised version
1.001	Incorporating Change Requests: CR247 (LCR063/OR2263); CR451 (LCR074/OR2301); CR458 (LCR076/OR2357); CR422 (LCR080/OR2352). ORs: OR2067; OR2140; OR2162; OR2195; OR2198; OR2209; OR2304; OR2314; OR2316; OR2377; OR2378; OR2387; OR2402; OR2430; OR2411; OR2413; OR2416; OR2418; OR2423. Defects: D998 (OR2364); D1138 (OR2150); D1400 (OR2281); D1409 (OR2325); D1493 (OR2383). This version is consistent with Release 1.2 of the ISRA Software.
1.002	Incorporating corrections to Ors: OR2413; OR2430
1.500	Incorporating comments from v1.001 internal review
2.000	Incorporating comments from v1.500 external review This version is consistent with Release 1.3 of the ISRA Software.
2.401	Draft for internal review including Release 2 changes
2.490	Includes internal review comments. Draft for review by Pool including Release 2 changes.
2.500	Includes Pool review comments on Release 2 changes
2.990	Merger of version 2.000 and version 2.500. Change bars show amendments since version 2.000. Includes LCR077 amendments Issued to Pool for review
3.000	Includes Pool comments and the following Ors: OR 2514 (R2 OR FAT/6); OR 2529 (R2 OR FAT/17); OR 2551 (R2 OR FAT/18); OR 2588 (Pool Defect 1538); OR 2619 (LCR077 OR FAT/2);

Version	Details
	OR 2621 (LCR077 OR FAT/14); OR 2627 (Pool Defect 1568); OR 2637 (Pool Defect 1590); OR 2657 (Pool Defect 1605). This version is consistent with Release 2.0 of the ISRA Software.
3.001	Incorporating: OR 2347
3.002	Incorporating Change Request: SIR R0605 (CRR1029), Clarification (028AAW) (LCR099); OR 2703.
3.003	Incorporating Pool Review Comments on LCR099
3.004	Incorporating OR2775/OR2634 (Appendix A)
3.005	Draft version for internal review, incorporating changes for TA2000 development. Includes following Change Requests: Package 1: LCRA113 (SIR R577) LCRA125 (SIR R669) LCRA131/3 (SIR R918) and Clarification: 0011dr30 (v3.0). Package 2 / MDD: LCRA85/2 (SIR R293) LCRA88/2 (SIR R574) LCRA104 (SIR R294) LCRA111/2 (SIR R887) LCRA137 (SIR R887) LCRA124/2 (SIR R295) LCRA126 (SIR R728) LCRA128/1 (SIR R1116) LCRA128/3 and Clarification LCRA136 (SIR R1116) and Clarification: 0021dr50.
3.990	Incorporating internal review comments. Issued to Pool for review
3.991	Includes Pool comments
4.000	Authorised version
4.001	OR2882 – Defect 186, add new error message for validation of tele-switch register rule id OR2931 – Defect 352, altering message on creation of new TPR set OR2934 – Defect 357, altering Warning message for D0269 load failure OR2938 – Defect 362, detailing the D030 and D0281 behaviour on the Report screen OR2891 – Defect 222 Maintain Profile Classes processing correctly detailed. LCR108 – AFYC Recalculation Report.
4.990	Removed references to release 4 functionality Issued to Pool for review
5.000	Authorised version
5.001	Incorporating LCR150, LCR151 and LCR155 (SIR R2215)
5.990	Incorporating internal review comments. Issued to Pool for external review
5.991	Incorporating Pool review comments

Version	Details
5.992	Incorporating Pool review comments
6.000	Authorised version
6.100	Incorporating LCR159, 164, 165 and 166 (SIR R2327): Multiple BM Unit support for ISRA/SVAA.
6.990	Incorporating internal review comments Issued to the Pool for review
6.991	Incorporating Pool review comments Added screen shots and example Supplier BM Unit Report
6.992	Incorporating Pool review comments. Updated copyright holder.
6.993	Incorporating Pool review comments
6.994	Added screen shots for LCR166. Updated SSR Run exception messages.
6.995	Added section in Appendix A for GSP Group Take Load exception messages.
7.000	Authorised version
7.001	Incorporating LCR162/5 & LCR172 (SIR R2180)
8.000	Authorised version
8.001	Change to Office 2000
8.002	Incorporating LCR174 and OR3118
8.003	Incorporating LCR197 & LCR198
8.004	Incorporating internal review comments for LCR197, LCR198 and LCR199
8.005	Incorporating LCR201
8.990	Issued to ELEXON for review
8.991	Incorporating ELEXON review comments
8.992	Updated document template
8.993	Incorporating LCR191
9.001	Incorporating LCR191
9.002	Incorporating LCR202
9.003	Incorporating OR3297 Incorporating OR3303
9.004	Incorporating OR3246
9.990	Issued to ELEXON for review
9.991	Updated post ELEXON review Incorporating OR3349 Incorporating OR3345 Incorporating OR3339 Incorporating OR3341
10.000	Authorised version
10.001	Updated for LCR189
10.002	Updated post ELEXON review
11.000	Authorised version
11.001	Updated for LCR203/7 (P81) Document Template Updated
11.002	Updated following internal review
11.003	Further updates following internal review

Version	Details
11.004	Updated from ELEXON's review, including incorporation of OR3372
12.000	Authorised version
12.001	Incorporating BETTA changes
12.002	Updated following internal review
12.990	Incorporated OR3411 Issued to ELEXON for review
12.991	Updated from ELEXON's review Incorporating OR3428 Incorporating OR3436
12.992	Incorporating OR3442
13.000	Authorised version
14.000	Updating document references
14.001	Incorporating OR3452
14.990	Updated for LCR235 (Disable the ability for a P0214 file to be loaded into SVAA)
14.991	Updated from ELEXON's review
15.000	Made definitive
15.001	Updated for changes CP850, CP892 and CP947. Issued to ELEXON for review.
15.002	Updated after feedback from ELEXON. Re-issued to ELEXON for review.
16.000	Authorised version
16.001	Updated to include 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; OR3543 Include reference values used by the Pool Application.
16.002	Address internal review comments.
16.990	Issued to ELEXON for review
17.000	Authorised version
17.001	Incorporating changes for Nov-06 release
17.002	Incorporated Internal review comments and changes for HD061638
17.990	Draft for ELEXON review
17.991	Updated from ELEXON's review
18.000	Authorised version
18.990	Draft for ELEXON review
19.000	Authorised version
19.900	Incorporating changes for ISIS enhancement release
19.901	Applied review comments
19.990	Draft for ELEXON review
20.000	Authorised version
20.010	Updated document classification

Version	Details
20.0	Back issued for exit management
21.0	June 2014 Release – EMR[1] Final Version
22.0	Baselined after Feb 2015 release – CP1418 – Updated for the additional validation when loading the SPM data files
22.1	November 2015 Release – P300 & P305
22.2	Incorporated the ELEXON review comments
23.0	Clean version - Nov 2015 Release
23.1	Nov 2015 changes post Go-Live

Table 1: Amendment History

Software Version

This version of the ISRA Operations Guide documents the functionalities in Release 9.2.0 or later versions of the ISRA application software.

1.5   References

Information	Details
Title: Author:	ISRA Installation Guide ELEXON
Title: Author:	ISRA System Management Guide ELEXON
Title: Author:	ISRA Technical Specification ELEXON

Table 2: References

1.6   Abbreviations

AA   Annualised Advance

AFYC   Average Fraction of Yearly Consumption

BETTA   British Electricity Transmission and Trading Arrangements

BM   Balancing Mechanism

BMUIGG   BM Unit In GSP Group

BSC   Balancing and Settlement Code

CDCA   Central Data Collection Agent

CTCU   Central Tele-switch Control Unit

DA   Data Aggregator

DPP   Daily Profile Production

DUoS   Distribution Use of System

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[1] EMR changes were directed by the Secretary of State on 1 August 2014

EAC	Estimate of Annual Consumption
GMT	Greenwich Mean Time
GSP	Grid Supply Point
HHDA	Half-Hourly Data Aggregator
ISR	Initial Settlement and Reconciliation
ISRA	ISR Agent
MRPC	Measurement Profile Class
NETA	New Electricity Trading Arrangements
NHHDA	Non-Half-Hourly Data Aggregator
PPR	Profile Production Run
SSA	Settlements System Administrator
SSR	Supplier Settlement and Reconciliation
SVA	Supplier Volume Allocation
SVAA	SVA Agent
TPR	Time Pattern Regime
TUos	Transmission Use of System
VSCPC	Valid combinations of Settlement Configurations and Profile Classes

2   System Overview

The Initial Settlement and Reconciliation (ISRA) system is responsible for carrying out the calculations for the Initial Settlement between Suppliers and Generators and subsequent reconciliations between Suppliers as meter data becomes available to replace the estimates used in the Initial Settlement.

For Settlement Days from the start of the New Electricity Trading Arrangements (NETA), the ISRA system acts as the Supplier Volume Allocation Agent. The main differences between the ISR Agent and the SVA Agent are that:

- ISRA calculates not only the energy volumes attributable to a Supplier, but also the Supplier's Total Daily Purchases. SVAA does not calculate the Supplier's Total Daily Purchases. Where necessary for backwards compatibility, SVAA outputs dummy Purchase values.

- SVAA passes energy volumes attributable to BM Units for Supplier in GSP Group to Suppliers. This new Supplier BM Unit report also contains each Supplier's valid BM Units, Non-Half Hourly BM Unit Allocations and the Half Hourly consumption/generation data input into the system.

- SVAA passes energy volumes attributable to BM Units for Suppliers in GSP Groups to the Settlement Administration Agent.

- SVAA does not perform Spill Processing during the SSR Run.

A system parameter (the NETA Start Date) is used to determine whether the software is acting as the ISRA or the SVAA.

A system parameter (the BETTA Start Date) is used to determine whether the system processes data for Scottish GSP Groups under the British Electricity Transmission and Trading Arrangements (BETTA). Under these arrangements, Scottish Regression Coefficients are used for calculations for Scottish GSP Groups for settlement dates up to including the date stored in another system parameter (BETTA Coefficients End Date).

The two main processing activities performed by the ISRA system are the Standard Settlement and Reconciliation Run (SSR) and the Profile Production Run (PPR).

The SSR Run performs calculations for Settlement and Reconciliation.

The PPR generates Profiles of consumption for use in the SSR Run, and also for use by Data Collectors.

Figure 1 illustrates the external interfaces to the ISRA system:

ISRA System External Interfaces
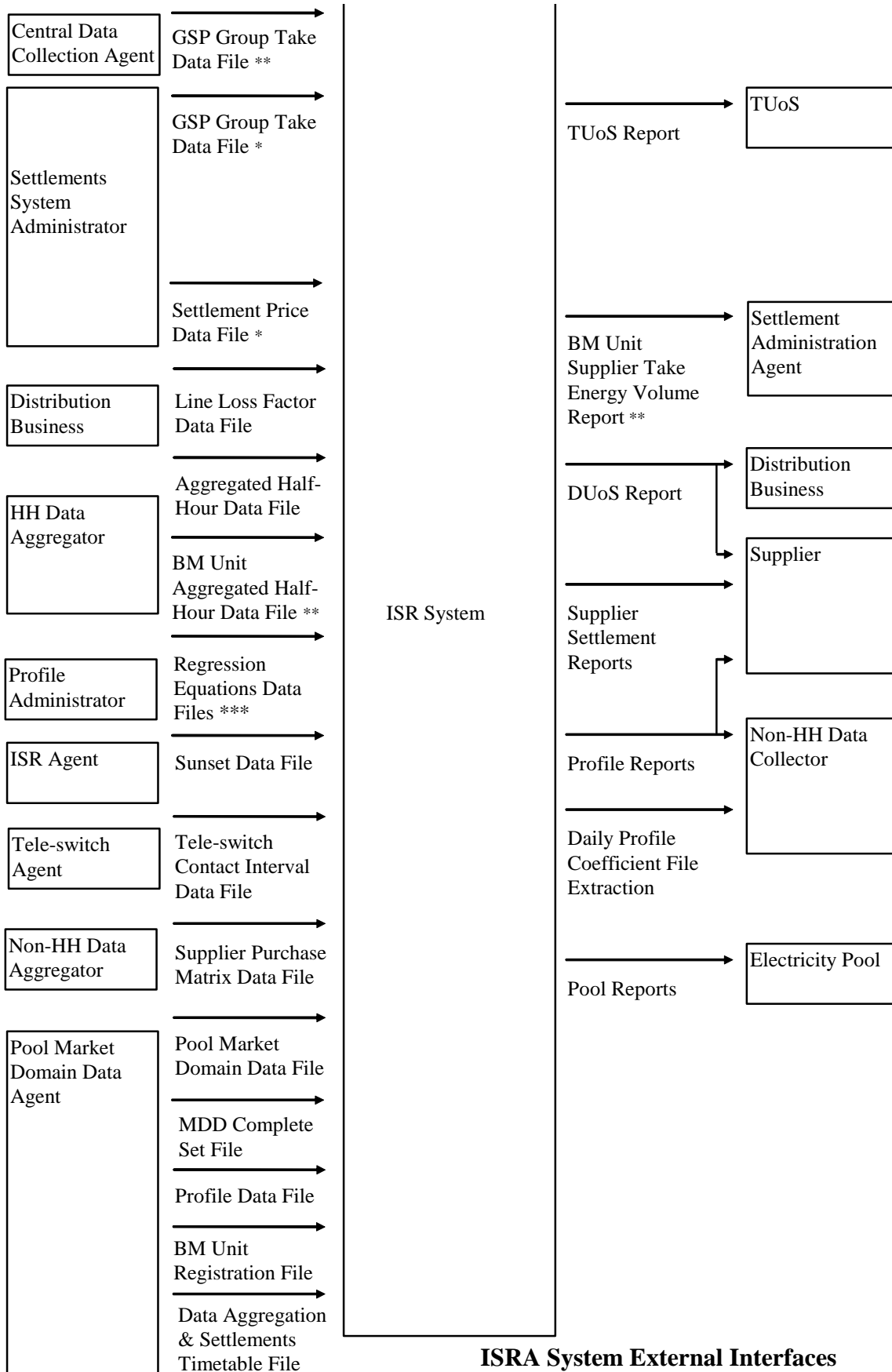
Figure 1: ISRA External Interfaces

* File only valid for Settlement Days before the start of the NETA.

** File only valid for Settlement Days from the start of the NETA.

*** This includes P0014001 (England and Wales only) and P0214001 (Scotland only) regression coefficient files[2].

Receipt of all files by the ISRA application software is logged in the Operator Log. Refer to Section 4.5.2 for further details about Operator Logs.

The main components of the ISRA system are described below. For further details of the ISRA functions and data flows, refer to the ISRA Technical Specification.

2.1   Incoming Data

Incoming data is used in the production of Profiles and in the calculations for Settlement and Reconciliation. Data is received by the ISRA system via the Gateway from various organisations in a pre-defined data file format and consists of the following files:

- GSP Group Take data (files expected from Central Data Collection Agent for Settlement Dates on or after NETA Start Date);*

- Settlement Price data (not accepted for Settlement Dates on or after NETA Start Date);*

- Line Loss Factor Class data;*

- Aggregated Half-Hour data;*

- BM Unit Aggregated Half-Hour Data (not accepted for Settlement Days before NETA Start Date);*

- Regression Equation data;

- Scottish Regression Equation data;[3]

- Sunset data;

- Supplier Purchase Matrix data;*

- Tele-switch Pool Market Domain data;

- Profile data;

- Tele-switch Contact Interval data;*

- Data Aggregation and Settlements Timetable data;

- Market Domain Data Complete Set;

- BM Unit Registration data.

- Supplier's Demand Disconnection Volume Data File

- Disconnection Purchase Matrix Data File

- BM Unit Aggregated Half Hour Demand Disconnection Data File

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[2] Loading of the P0214 file is disabled as a result of LCR235.

[3] Loading of this file is disabled as a result of LCR235.

- Demand Control Insruction File

- MSIDs affected by Demand Control Event

- Disconnected MSIDs and Estimated Half Hourly Demand Disconnection Volumes

Those marked with an asterisk are received for each Settlement Day.

The other files are received less frequently.

The ISRA user interface provides a set of forms to enable users to load data that has been received by the system. Refer to section 5 for further information.

The user interface also enables users to browse and maintain Standing Data. Refer to Section 6 to Section 22 for details of these forms.

2.2   Profile Production

Profile Production is one of two major processes in the ISRA system. Profile Production calculates Daily Profiles which are used by the EAC/AA system in its generation of Estimations of Annual Consumption and Annualised Advances. Daily Profiles are also used in Settlement and Reconciliation.

Profile Production is initiated via the user interface, which enables users to enter parameters for each run.

See section 27 for further information about initiating a Profile Production Run.

2.3   Settlement and Reconciliation

The Settlement and Reconciliation calculation processes data that the ISRA system receives from Data Aggregators to calculate a Supplier's deemed take from a GSP Group, and hence the value of that take.

Settlement and Reconciliation Runs are performed according to the Pool's Settlement and Reconciliation Timetables.

For further information about initiating Settlement and Reconciliation Runs, refer to section 25.

2.4   Reporting

The following ISRA reports can be generated on request via the user interface:

- Profile Production;

- SSR Reports;

- Standing Data Update.

Additional reports are generated as part of the Profile Production, and Settlement and Reconciliation batch processes:

- BM Unit Supplier Take Energy Volume Report (SSR) – produced only for Settlement Dates on or after NETA Start Date;

- BM Unit SVA Gross Demand Report (SSR) – produced only for Settlement Dates on or after NETA Start Date;

- Daily Profile Data (PPR);

- Daily Profile Extract (available in machine-readable format);

- Deemed Take (SSR);

- DUoS (Distribution Use of System) (SSR);

- GSP Group Consumption Totals Report (SSR);

- HH Demand (SSR);

- Supplier BM Unit Report – produced only for Settlement Dates on or after NETA Start Date;

- Standard Settlement Configuration (PPR);

- Standing Profile Data (PPR);

- Supplier Purchase (SSR);

- Supplier Purchase Matrix (SSR);

- Supplier Settlement Header (SSR);

- Tele-switch Contact Interval Data (PPR);

- Transmission Use of System (TUoS) (SSR).

- Supplier BM Unit Demand Disconnection Report

- GSP Group Demand Disconnection Totals Report

- Supplier - Supplier Disconnection Matrix Report

- Supplier Half Hourly Demand Disconnection Report

- Aggregated Disconnected DUoS Report

These are all produced in a machine-readable format. All reports can be displayed and printed using the Select Reports form on the user interface. Refer to section 33.8 for further information about displaying and printing reports.

In addition to these reports, the ISRA system also produces exception reports detailing errors generated by batch processes, data load standing data update reports (not accessible via the ISRA client), the LLF Confirmation report and audit reports. Refer to section 33.7 for details of the exception reports and the ISRA System Management Guide for details of data load standing data update reports and audit reporting.

3 Operational Schedule

This section provides guidelines on the scheduling of tasks that need to be performed using functionality provided by the ISRA application software.

Note that it is the responsibility of organisations running the ISRA system to devise their own schedule, taking into account their operational environment.

Organisations need to comply with Agreed Procedures and Service Lines.

3.1 Daily Activities

The main daily activities on the ISRA system are as follows:

- Standing Data Maintenance;
- Browsing Data;
- Requesting Reports;
- Loading Data Files;
- Profile Production;
- SSR Runs;
- Backup.

In planning a daily schedule, the following issues must be taken into account:

- The schedule must allow the timetables for initial settlement and subsequent reconciliation to be met;
- During backup, the database is shut down and no other activities are possible;
- The Profile Production Run locks most standing data edit functions, to ensure data integrity;
- Active batch processes (PPR, SSR) may degrade the interactive performance of the system.

The most significant constraint from the Settlement Timetable is the need to perform the Final Initial Settlement between 9am on D+15 and 9am on D+16. Each day, there will be between 1 and 5 Final Initial Settlements to perform.

Final Initial Settlements are submitted via the Run SSR form, described in section 25. As soon as the details of a Final Initial Settlement have been submitted via this form, certain items of data, such as Average Fractions of Yearly Consumption, that will be used in the run, can only be modified by the ISRA Standing Data Manager. Such items of data are identified in the sections that describe the forms used for maintenance of the data. Note that this data can still be browsed by users with access to the relevant forms.

The remaining batch activities, Reconciliation Runs and Profile Production, should be initiated at low user activity times throughout the day. Reconciliation Runs are submitted using the Run SSR form, described in section 25. Profile Production Runs are submitted using the Calculate Daily Profiles form, described in section 27. Note that a Profile Production Run locks all data required; this data is not released until the run is complete.

It is expected that the backup will be performed as part of overnight processing, see diagram below where the Final Initial Settlements are expected to be finished before 6pm whereas the interactive users will use the system from 9am until 6pm.

9am	Final Initial Settlements (up to 5)	Maintenance of Standing Data Browsing of Data Data Loading
6pm	Backup	
	PPR Runs (up to 5)	Reconciliation Runs (up to 20)
8am		

Table 3: Operational Schedule – Daily Activities

The 'up to' limits on the number of runs, shown in the example timetable above, are indicative of the number of runs typically anticipated. There are not constraints within ISRA on the number of runs that can be requested in a day.

3.2 Weekly Activities

In addition to the daily activities outlined above, the following activities should be included in the weekly operating schedule:

- Full system backup, using server operating system functionality;

- Analysis of Oracle database performance;

- Archive (potentially a monthly activity). This task involves backing up the ISRA database and flat files using server operating system functionality, and issuing the iar_archive command from the server operating system command line. Note that archiving must be preceded by a successful backup of the ISRA database and flat files. Refer to the ISRA System Management Guide for further information.

It is suggested that these activities are performed outside working days, i.e. weekends, to ensure that sufficient time is available for the daily activities.

3.3 Timestamps

One or more of the following timestamps are contained in the data files used by ISRA application software:

- creation time – The time at which the file was created by the ISRA application software;

- received time – The time at which the file was received by the ISRA application software;

- send time – The time at which the file was transmitted to the Gateway by the ISRA application software.

Each of these timestamps is held as a GMT value, reflecting the time format in the headers of the corresponding files. This ensures consistency of file handling between different systems.

Note that all other timestamps used in the ISRA application software are held in local time, reflecting the time used in the ISRA application environment.

This should be taken into account when managing data files in the ISRA system. For example, when displaying file creation, receipt and transmission dates via the ISRA user interface, care should be taken when interpreting dates around midnight. Thus, if a file is received at 23:45 GMT on 21st June 1998, and local time is one hour ahead of GMT, then the "equivalent" local time arrival of the file is 00:45 on 22nd June 1998.

4   Getting Started

This section provides an introduction to the facilities for logging onto the system; provides an overview of the user interface; outlines help, and error and status reporting functionality.

4.1   Logging On

Logging on to the ISRA system is controlled by the standard Oracle User name and Password validation. This mechanism ensures that you are a valid ISRA user. For further information about user names and passwords, consult your System Manager.

Access to ISRA functions is controlled by the allocation of ISRA user roles to users. You can only access a function if you have the appropriate authority. The table in Section 4.3 shows which menus and functions each ISRA User Role has access to.

4.2   User Interface Overview

This section gives an overview of the menus and toolbars to which users of the ISRA system have access.

The User Interface has been developed using Oracle Forms. A form is a window, and its behaviour is similar to that of other Windows applications, such as File Manager and Microsoft Mail. Some of the tasks that can be performed by the user within the forms are specific to Oracle Forms. The main features of the user interface are described in this document. For further information about using Oracle Forms, refer to the Oracle Forms Documentation Set.

The User Interface includes a toolbar, described in section 4.2.1 which provides access to commonly used functions for navigating within the forms, restricting data displayed on the forms (executing queries), editing data and accessing on-line help. Above the toolbar is a set of menus. The menus give access to the functionality provided by Oracle Forms and also to ISRA-specific functions. The menus are described in Section 4.2.2. Function keys that are defined with Oracle Forms can also be used to access the toolbar and menu functions. A list of function keys available for a particular form can be displayed using the toolbar.

When entering a date in any of the date input fields, the date should be in the DD/MM/RRRR format where '/' is the delimiter. The delimiter entered can be any character as long as it is not alphabetic. For example, the following formats are valid:

> 01-01-2004
>
> 01*1 2004
>
> 01-jan-2004
>
> 01=jan/2004

The following forms include a description for Time Pattern Regime:

- Maintain Average Fractions of Yearly Consumption;

- Specify Profile Class and Configuration Combinations;

- Assign Time Patterns to an SSC;

- Maintain Time Pattern Regimes;

- Maintain Clock Intervals for a TPR;

- Maintain Tele-switch TPR.

These description fields are included in the application software pending a Change Request to introduce this functionality after April 1998.

4.2.1 Toolbar

The toolbar, shown in the figure below, provides some of the functionality for ISRA forms. Most forms display a subset of the toolbar buttons. The table following the figure gives a brief description of the buttons on the toolbar.
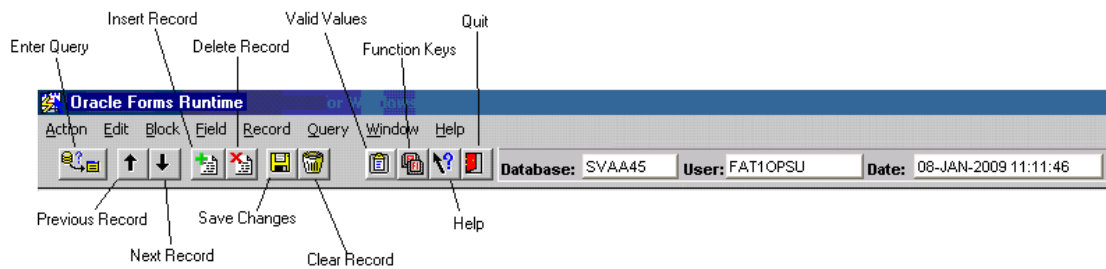
Figure 2: ISRA Toolbar

When you move the mouse pointer over any of the toolbar buttons, a short description of the function of the button is displayed.

Enter Query	Enter query mode. When the form is in query mode, ENTER QUERY is displayed in the Status Line at the bottom of the form.
	When you click on this button, the Enter Query mode button disappears and two further buttons are displayed:
	Execute Query – initiates a query on the current area of the form
	Cancel Query – cancels out of query mode
Previous Record	Navigate to the record above the one the cursor is currently on.
Next Record	Navigate to the record below the one the cursor is currently on.
Insert Record	Create a new record in the current block.
Delete Record	Delete the current record.*
Save	Commit any outstanding changes to the database. Where certain functionality is provided as a suite of forms, you may be forced to save the changes made in one form (or cancel them), before navigating to one of the other forms.
Clear Record	Clear the contents of the current record from the screen. This should not be confused with the Delete Record function which removes the record from the database.
List of Values	Pop up a list window showing the available values for the current field. If

	a List of Values is available for the current field, <List> is displayed in the Status Line at the bottom of the form.
Show Keys	Display the keys available in a pop up window.
Help	Displays the help available.
Exit	Return to the top level of the Application.

Table 4: Toolbar Description

The last three fields in the toolbar displays the SVAA **Database** user has connected to, the logged in **User** and the System **Date** & time stamp.

*The following categories of ISRA Standing Data cannot be deleted from the ISRA database:

- Market Participant Roles;
- Line Loss Factor Classes;
- Profiles;
- Profile Classes;
- Standard Settlement Configurations;
- Time Pattern Regimes.

In order to identify these items of Standing Data as being "deleted" without physically deleting them, an "active flag" is used, and appears as checkboxes on the associated forms. To "delete" a record of one of these data items, the check box should be unchecked. The pre-delete validation performed on this is the same as if you had been able to physically delete the record. Records displayed on these Standing Data forms are ordered with the active records first, followed by the inactive records.

4.2.2   Menus

A menu is displayed, above the toolbar, (see Figure 2 above). The menu items to which you have access depend on the ISRA user role which have been allocated to you by the System Manager and with which you have logged on.

The dropdown menu items available for each top-level menu item are shown below.
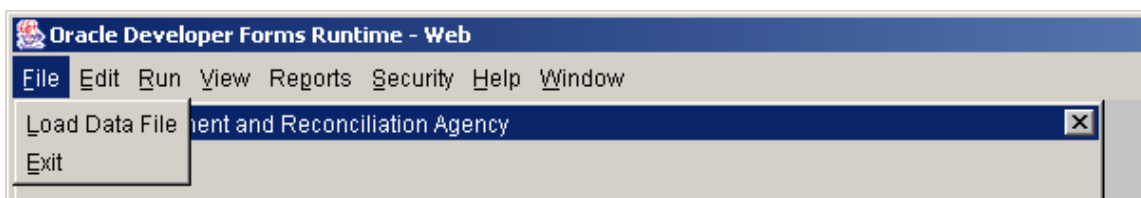
Figure 3: Menus - File
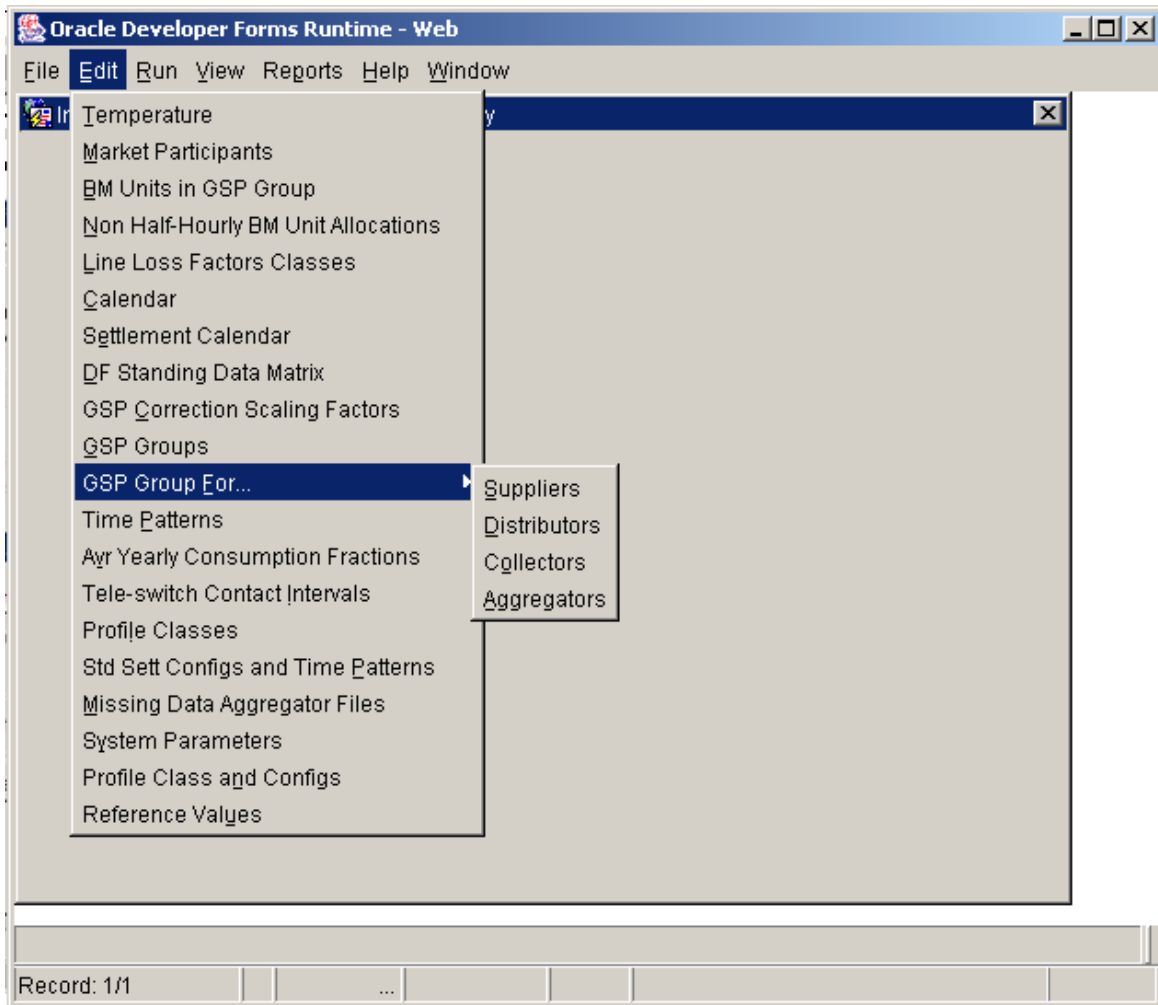
Figure 4: Menus - Edit
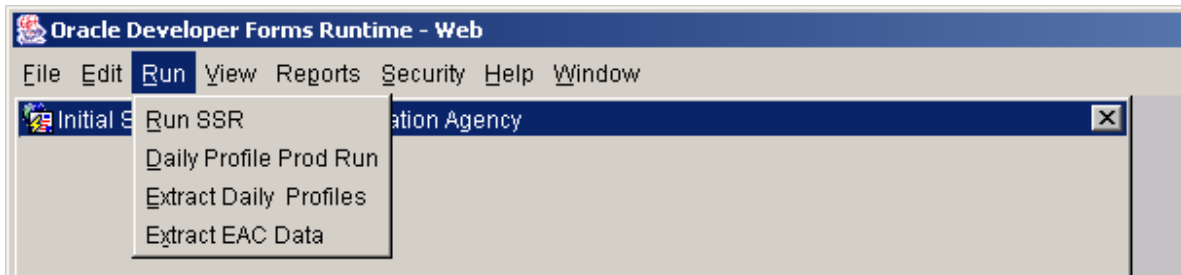
Figure 5: Menus - Run
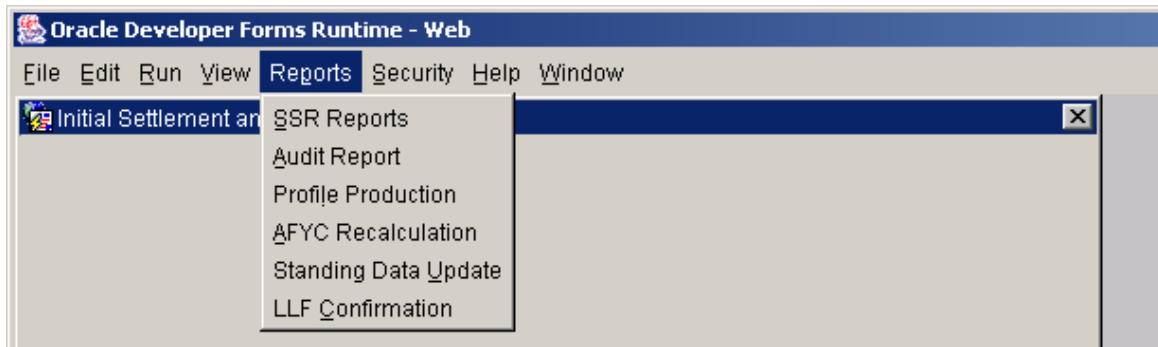
Figure 6: Menus - Reports
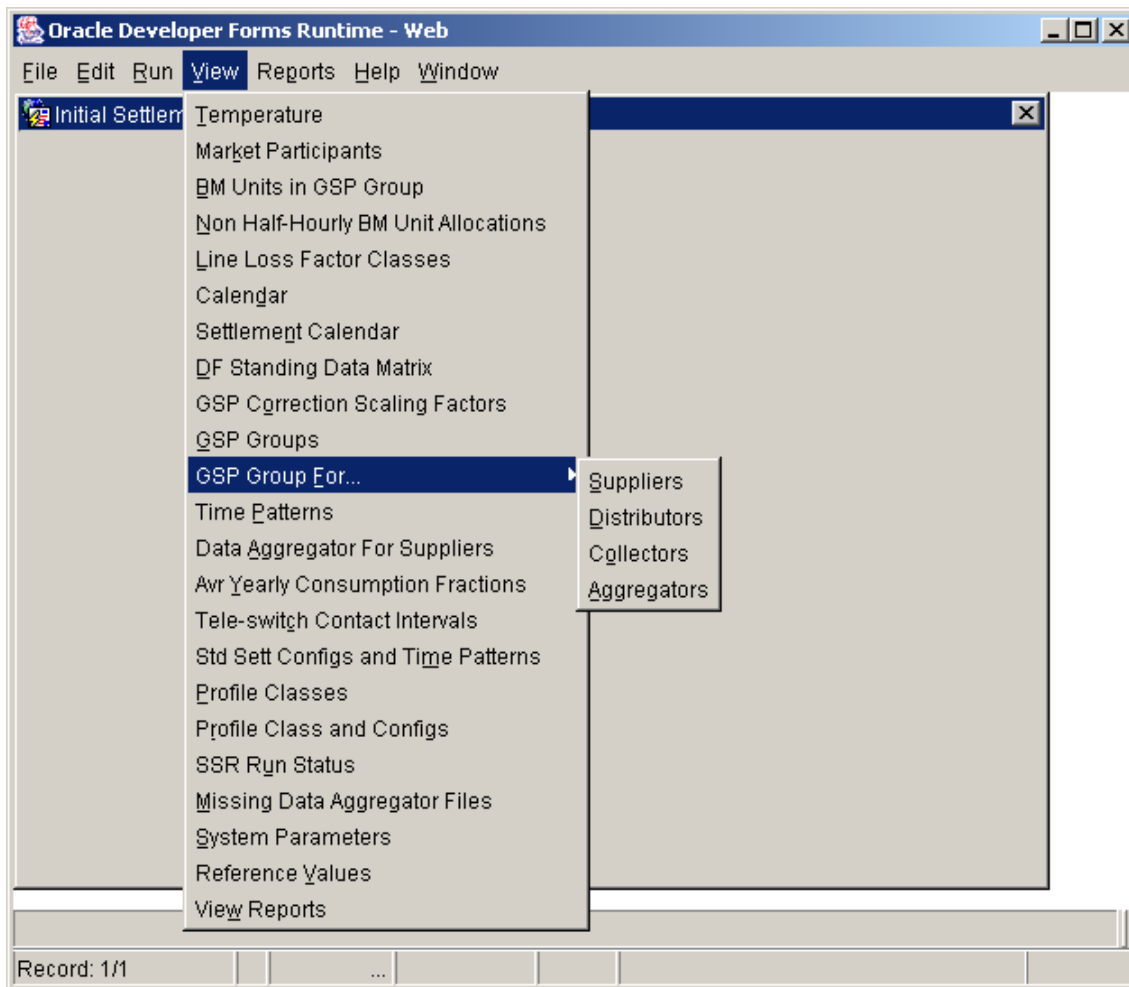
Figure 7: Menus - View
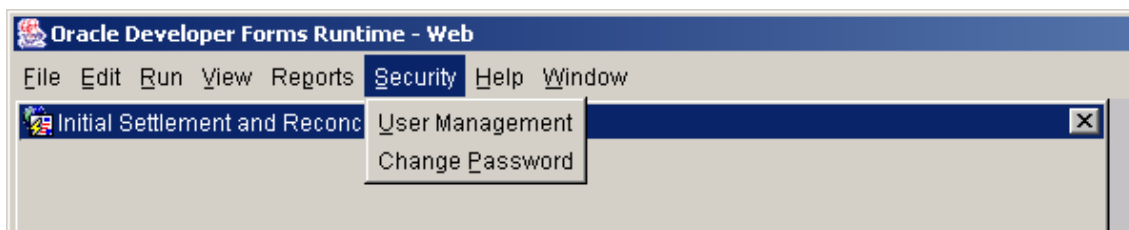
Figure 8: Menus - Security
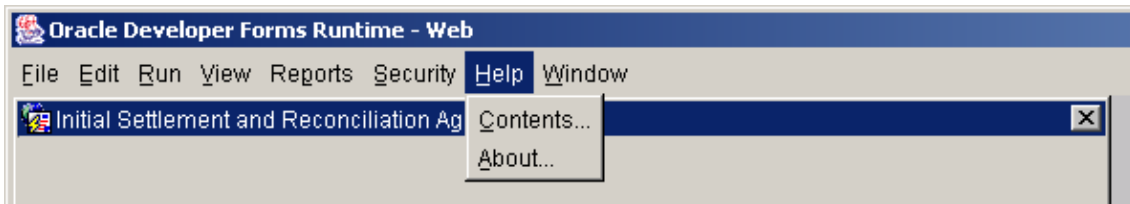
Figure 9: Menus - Help

4.2.3 Function Keys

Keyboard function keys can also be used to perform the tasks that can be executed using the menus and toolbar. A list of available function keys can be displayed by clicking on the Function Keys button on the toolbar.

4.3 User Access

Access to ISRA functions is controlled by the allocation of ISRA user roles to users. You can only access a function if you have the appropriate authority. The ISRA User Roles are as follows:

- ISRA Standing Data Manager;
- ISRA Operations Supervisor;
- ISRA Operator;
- ISRA Auditor.

Menu options are greyed out and cannot be selected if the user does not have access to a form.

The following tables indicate the functionality to which each ISRA user role has access.

4.3.1 ISRA Standing Data Manager

Top-Level Menu	Second-Level Menu	Third-Level Menu
File	Load Data File	
	Exit	
Edit	Temperature	
	Market Participants	
	BM Units in GSP Group	
	NHH BM Unit Allocations	
	Line Loss Factor Classes	
	Calendar	
	Settlement Calendar	
	Define DF Standing Data Control Matrix	
	GSP Correction Scaling Factors	
	GSP Groups	
	GSP Group For…	Suppliers
		Distributors
		Collectors

Top-Level Menu	Second-Level Menu	Third-Level Menu
		Aggregators
	Time Patterns	
	Avr Yearly Consumption Fractions	
	Tele-switch Contact Intervals	
	Std Sett Configs and Time Patterns	
	Missing Data Aggregator Files	
	Profile Classes	
	Profile Class and Configs	
	System Parameters	
	Reference Values	
Run	Run SSR	
	Daily Profile Prod Run	
	Extract Daily Profiles	
	Extract EAC Data	
Reports	SSR Reports	
	Audit Report	
	Profile Production	
	AFYC Recalculation	
	Standing Data Update	
	LLF Confirmation	
View	Temperature	
	Market Participants	
	BM Units in GSP Group	
	NHH BM Unit Allocations	
	Line Loss Factor Classes	
	Calendar	
	Settlement Calendar	
	Browse DF Standing Data Control Matrix	
	GSP Correction Scaling Factors	
	GSP Groups	
	GSP Group For…	Suppliers
		Distributors
		Collectors
		Aggregators
	Time Patterns	
	Data Aggregator for Suppliers	
	Avr Yearly Consumption Fractions	
	Tele-switch Contact Intervals	
	Std Sett Configs and Time Patterns	
	Profile Classes	
	Profile Class and Configs	

Top-Level Menu	Second-Level Menu	Third-Level Menu
	SSR Run Status	
	Missing Data Aggregator Files	
	System Parameters	
	Reference Values	
	View Reports	
Security	User Management	
	Change Password	
Help	Contents	
	About	

Table 5: User Access – ISRA Standing Data Manager

4.3.2   ISRA Operations Supervisor

Top-Level Menu	Second-Level Menu	Third-Level Menu
File	Load Data File	
	Exit	
Edit	Temperature	
	Market Participants	
	BM Units in GSP Group	
	NHH BM Unit Allocations	
	Line Loss Factor Classes	
	Calendar	
	Settlement Calendar	
	Define DF Standing Data Control Matrix	
	GSP Correction Scaling Factors	
	GSP Groups	
	GSP Group For…	Suppliers
		Distributors
		Collectors
		Aggregators
	Time Patterns	
	Avr Yearly Consumption Fractions	
	Tele-switch Contact Intervals	
	Std Sett Configs and Time Patterns	
	Missing Data Aggregator Files	
	Profile Classes	
	Profile Class and Configs	
	System Parameters	
	Reference Values	
Run	Run SSR	
	Daily Profile Prod Run	

Top-Level Menu	Second-Level Menu	Third-Level Menu
	Extract Daily Profiles	
	Extract EAC Data	
Reports	SSR Reports	
	Audit Report	
	Profile Production	
	AFYC Recalculation	
	Standing Data Update	
	LLF Confirmation	
View	Temperature	
	Market Participants	
	BM Units in GSP Group	
	NHH BM Unit Allocations	
	Line Loss Factor Classes	
	Calendar	
	Settlement Calendar	
	Browse DF Standing Data Control Matrix	
	GSP Correction Scaling Factors	
	GSP Groups	
	GSP Group For…	Suppliers
		Distributors
		Collectors
		Aggregators
	Time Patterns	
	Data Aggregator for Suppliers	
	Avr Yearly Consumption Fractions	
	Tele-switch Contact Intervals	
	Std Sett Configs and Time Patterns	
	Profile Classes	
	Profile Class and Configs	
	SSR Run Status	
	Missing Data Aggregator Files	
	System Parameters	
	Reference Values	
	View Reports	
Security	User Management	
	Change Password	
Help	Contents	
	About	

Table 6: User Access – ISRA Operations Supervisor

4.3.3 ISRA Operator

Top-Level Menu	Second-Level Menu	Third-Level Menu
File	Load Data File[4]	
	Exit	
Edit	Temperature	
	Tele-switch Contact Intervals	
Run	Run SSR	
	Daily Profile Prod Run	
	Extract Daily Profiles	
	Extract EAC Data	
Reports	SSR Reports	
	Profile Production	
	AFYC Recalculation	
	Standing Data Update	
	LLF Confirmation	
View	Temperature	
	Market Participants	
	BM Units in GSP Group	
	NHH BM Unit Allocations	
	Line Loss Factor Classes	
	Calendar	
	Settlement Calendar	
	Browse DF Standing Data Control Matrix	
	GSP Correction Scaling Factors	
	GSP Groups	
	GSP Group For…	Suppliers
		Distributors
		Collectors
		Aggregators
	Data Aggregator for Suppliers	
	Avr Yearly Consumption Fractions	
	Tele-switch Contact Intervals	
	Std Sett Configs and Time Patterns	
	Profile Classes	
	Profile Class and Configs	
	SSR Run Status	
	Missing Data Aggregator Files	
	System Parameters	
	Reference Values	

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[4] Access to all file loading forms, except Pool Market Domain Data, Sunset Data and Profile Data.

Top-Level Menu	Second-Level Menu	Third-Level Menu
	View Reports	
Security	Change Password	
Help	Contents	
	About	

Table 7: User Access – ISRA Operator

4.3.4   Auditor

Top-Level Menu	Second-Level Menu	Third-Level Menu
File	Exit	
Reports	Audit Report	
View	View Reports	
Security	Change Password	
Help	Contents	
	About	

Table 8: User Access – Auditor

4.4   On-line Help

On-line help is available by clicking on the Help button on the toolbar. Help is an on-line version of this Guide, converted into Windows help format, with a Contents page.

4.5   Status and Error Reporting

Status and error messages that support the operation of the ISRA application software are displayed via the user interface, and in Operator and Error logs. Each message can be categorised according to severity:

- Information;
- Warning;
- Error;
- Fatal.

Information, Warning and Error messages may be reported via the user interface, and are recorded in Operator Logs.

Fatal errors, such as file handling problems, are recorded in Error logs. For further information about Error logs, refer to the ISRA System Management Guide.

4.5.1   Reporting via the User Interface

Error and status messages are displayed in the status line at the bottom of the form and in alert boxes. Depending on the level of the Error, the User will receive the appropriate type of Alert. If a Forms error/warning message appears at the bottom of the form, a new message can force the initial message into an alert box to ensure the user does not miss it.

Warning, Information and Error messages display the error message via the user interface without failing processing, whilst Fatal messages fail processing. A list of error messages that may be generated by the application software is contained in Appendix A.

4.5.2   Reporting via Operator Logs

An Operator Log records operational events and data errors. For example:

- Run-time information about batch processes such as file receipt, loading of data files;

- Messages giving the high level progress of a process, e.g. "Load Supplier Purchase Matrix Data: Load of <filename> started".

The default location of Operator Logs in the local file store is <ISRA_ROOT>/audit/oplog. This location can be configured during installation. If the Operator Logs are not held in the default directory, consult your System Manager.

A new Operator Log is created by the system for each day. The name of the Operator Log has the following format:

`Opcurrent_date.LOG`

where "current_date" is the current system date, in the format YYYYMMDD. For example, an Operator Log for 1st November 1998 would be named `OP19981101.LOG`.

4.5.3   Reporting via Exception Reports

Exception reports are automatically generated by the following batch processes if errors are encountered:

- Profile Production Run;

- Data File Loading;

- SSR.

These exception reports can be viewed using the Reports for Viewing form, described in section 33.8. Examples of the exception reports are included in Appendix B.

5   Load Data Files

Several forms are provided from which you can load data from files received by the ISRA system.

The following files are loaded into the ISRA database:

- GSP Group Take Data File;*

- Settlement Price Data File (not loaded for Settlement Dates on or after NETA Start Date);*

- Line Loss Factor Data File;

- Regression Equation Data File;

- Sunset Data File;

- Tele-switch Pool Market Domain Data Files;

- Profile Data;

- Tele-switch Contact Interval Data File;*

- Data Aggregation and Settlements Timetable File;

- BM Unit Registration Data;

- Market Domain Data Complete Set;

- Scottish Regression Coefficients File[5].

- Demand Disconnection Event File

- Demand Control Instruction File

The following files are loaded into the ISRA flat file store:

- Aggregated Half-Hour Data File;*

- BM Unit Aggregated Half-Hour Data File (not loaded for Settlement Days before NETA Start Date);*

- Supplier Purchase Matrix Data File.*

- Disconnection Purchase Matrix Data File

- BM Unit Aggregated Half Hour Demand Disconnection Data File

- Supplier's Demand Disconnection Volume Data File

The ISRA application software attempts to load those files marked with an asterisk automatically once they have been received.

The Load Data Files form, shown below, is accessed via the Load Data File menu option. The form displays all available file types, from which you can select one to display all files of that type that can be loaded. For each file type displayed, three columns are displayed. 'Failure Total' indicates the total number of files that

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[5] Loading of this file is disabled as a result of LCR235.

have failed to load. 'Recent Failure' indicates the total number of files that have failed to load in the last 10 days (including the current day). For example, if the current day is Wednesday 26th June then the 'Recent Failure' column will display the total number of files that have failed to load on or after Monday 17th June for the specific file type. 'Awaiting Load' indicates the number of files that have not yet been loaded. All the calculations are based on the creation time of the files against the input value entered in date field "Start date for file types display".

Figure 10: Load Data Files – File Types

To display files for a particular type that have failed to load or are yet to be loaded:

1. Enter the start date for file types display and navigate to the "File Types" block;

2. Position the cursor on the required file type;

3. Click on the File List button.

A further form is displayed with details of the selected file type.

Note that if any incoming files contain numeric values that are longer than the expected length, e.g. 7 decimal places rather than 4 decimal places, the file continues to be loaded, and the numeric values are truncated.

For files with the following types, the application software reports all detectable errors:

- Tele-switch Pool Market Domain Data File;
- Aggregated Half-Hour Data File;
- BM Unit Aggregated Half-Hour Data File;
- Supplier Purchase Matrix Data File;
- Tele-switch Contact Interval Data File;
- Data Aggregation and Settlement Timetable File;
- BM Unit Registration Data File;
- Market Domain Data Complete Set.

For files with the following types, the application software reports only the first error encountered in the files:

- GSP Group Take Data File;
- Settlement Price Data File;
- Line Loss Factor Data File;
- Regression Equation Data File;
- Sunset Data File;
- Profile Data;
- Scottish Regression Coefficients File.

The following validation is performed on all incoming files:

1. Files with invalid checksums are rejected,

2. All numbers in the files are checked against maximum and minimum range limits that are held in the database. These maximum and minimum ranges are maintainable, using the Reference Values form, (see section 22 for further information).

Errors and warnings recording failure of this general validation, and file type-specific validation can appear in exception reports. The messages that may be contained in the exception reports are given in Appendix A.

5.1 Field Summary

Field	Details
Name	The file type
Failure Total	The total number of files of the corresponding file type that have failed to load.
Recent Failure	The total number of files of the corresponding file type that have failed to load during the last 6 days (including the current day).
Awaiting Load	The number of files of the corresponding file type that have not yet

Field	Details
	been loaded.

Table 9: File Types – Field Summary

5.2   Load GSP Group Take Data

The following form is displayed when the cursor is positioned on the GSP Group Take file type and you have clicked on the File List button on the Load Data Files form.

Figure 11: Load Data Files – GSP Group Take Data Files

1. Select the files that you want to load. To select individual files, check the corresponding Load check boxes. To select all files, click on the All button (the button changes to None – to uncheck the check boxes, click on the None button);

2. Click on the Load button.

The selected files are scheduled for loading.

5.2.1   Field Summary

Field	Details
Date	Settlement Date for which the data in the file is applicable
Run Type	The type of run that generated the data file
Run Number	The number of the run that generated the file
GSP Group	The GSP Group for which the file is applicable
Creation Timestamp	The date and time at which the file was created

Field	Details
Load	Check this to flag the corresponding file for loading

Table 10: GSP Group Take Data Files – Field Summary

5.3 Load Settlement Price Data

NB: Settlement Price Data is not loaded for Settlement Dates on or after the NETA Start Date.

The following form is displayed when the cursor is positioned on the Settlement Price Data file type and you have clicked on the File List button on the Load Data Files form.

Figure 12: Load Data Files – Settlement Price Data Files

1. Select the files that you want to load. To select individual files, check the corresponding Load check boxes. To select all files, click on the All button (the button changes to None – to uncheck the check boxes, click on the None button);

2. Click on the Load button.

The selected files are scheduled for loading.

5.3.1 Field Summary

Field	Details

Field	Details
Date	The Settlement Date for which the data in the file is applicable
Run Type	The type of run that generated the file
Run Number	The number of the run that generated the file
Creation Timestamp	The date and time at which the file was created
Load	Check this to flag the corresponding file for loading

Table 11: Settlement Price Data Files – Field Summary

5.4   Load Line Loss Factors

The following form is displayed when the cursor is positioned on the Line Loss Factor file type and you have clicked on the File List button on the Load Data Files form.

Figure 13: Load Data Files – Line Loss Factor Data Files

1. Select the files that you want to load. To select individual files, check the corresponding Load check boxes. To select all files, click on the All button (the button changes to None – to uncheck the check boxes, click on the None button);

2. Click on the Load button.

The selected files are scheduled for loading.

If some of the data in a Line Loss Factor file does not load successfully, due for example, to unknown Line Loss Factor Class, or Line Loss Factors outside the date range of the class, you should not attempt to correct the problems with the load and re-load the same file. This is because the Id of the Line Loss Factor file is

used as an audit trail for the Line Loss Factors used in an SSR Run. If the load were to be repeated, it would be possible to have two sets of Line Loss Factors with the same Id.

Once the cause of the load problem has been resolved, the Line Loss Factor file can be copied into the ISRA file receipt directory (this will generate a new file Id and the file will have the same timestamp as the latest loaded Line Loss Factor file) and reloaded. Alternatively, the originator of the file can be contacted and a resend of the file requested. Contact your System Administrator for further assistance if required.

Note that for other exceptions, the load will stop at the first exception detected in the file.

5.4.1 Field Summary

Field	Details
Market Participant	The Id and name of the Market Participant that created the file
Creation Timestamp	The date and time at which the file was created
Load	Check this to flag the corresponding file for loading

Table 12: Line Loss Factor Data Files – Field Summary

5.5 Load Regression Equation Data

The following form is displayed when the cursor is positioned on the Regression Equation Data file type and you have clicked on the File List button on the Load Data Files form.

Figure 14: Load Data Files – Regression Equation Data Files

1. Select the files that you want to load. To select individual files, check the corresponding Load check boxes. To select all files, click on the All button (the button changes to None – to uncheck the check boxes, click on the None button);

2. Click on the Load button.

The selected files are scheduled for loading.

Note: If both Regression Equations and Scottish Regression Equations are being used (i.e. if both P0014 and P0214 flows are being loaded) then any Profile Sets common to both files must have the same effective from settlement dates, and the corresponding P0214 flow must be loaded after the P0014, otherwise DPP runs will not complete successfully.

5.5.1   Field Summary

Field	Details
Market Participant	The Id and name of the Market Participant that created the file
Creation Timestamp	The date and time at which the file was created
Load	Check this to flag the corresponding file for loading

Table 13: Regression Equation Data Files – Field Summary

5.6   Load Sunset Data

The following form is displayed when the cursor is positioned on the Sunset file type and you have clicked on the File List button on the Load Data Files form.

Figure 15: Load Data Files – Sunset Data Files

1. Select the files that you want to load. To select individual files, check the corresponding Load check boxes. To select all files, click on the All button (the button changes to None – to uncheck the check boxes, click on the None button);

2. Click on the Load button.

The selected files are scheduled for loading.

5.6.1 Field Summary

Field	Details
Market Participant	Id and name of the Market Participant that created the file
Creation Timestamp	Date and time at which the file was created
Load	Check this to flag the corresponding file for loading

Table 14: Sunset Data Files – Field Summary

5.7 Load Tele-switch Pool Market Domain Data

The following form is displayed when the cursor is positioned on the Tele-switch Pool Market Domain Data file type and you have clicked on the File List button on the Load Data Files form.

Note that valid combinations of Settlement Configurations and Profile Classes (VSCPCs) for which the effective dates span a Final Initial Settlement cannot be loaded, even if the load is performed by the Standing Data Manager. However, VSCPCs can be added after a Final Initial Settlement, by the Standing Data Manager, via the Specify Profile Class and Configuration Combinations form (see section 22).
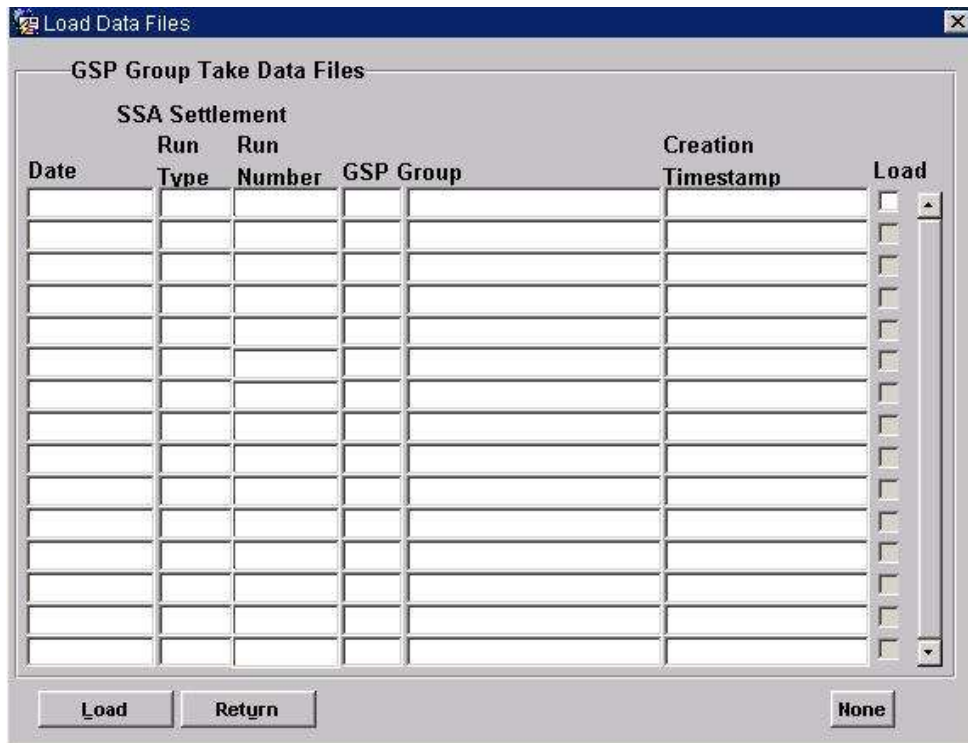

Figure 16: Load Data Files – Pool Market Domain Data Files

1. Select the files that you want to load. To select individual files, check the corresponding Load check boxes. To select all files, click on the All button (the button changes to None – to uncheck the check boxes, click on the None button);

2. Click on the Load button.

The selected files are scheduled for loading.

5.7.1   Field Summary

Field	Details
Market Participant	The Id and name of the Market Participant that created the file
Creation Timestamp	The date and time at which the file was created
Load	Check this to flag the corresponding file for loading

Table 15: Pool Market Domain Data Files – Field Summary

5.8   Load Profile Data

The following form is displayed when the cursor is positioned on the Profile Data file type and you have clicked on the File List button on the Load Data Files form.
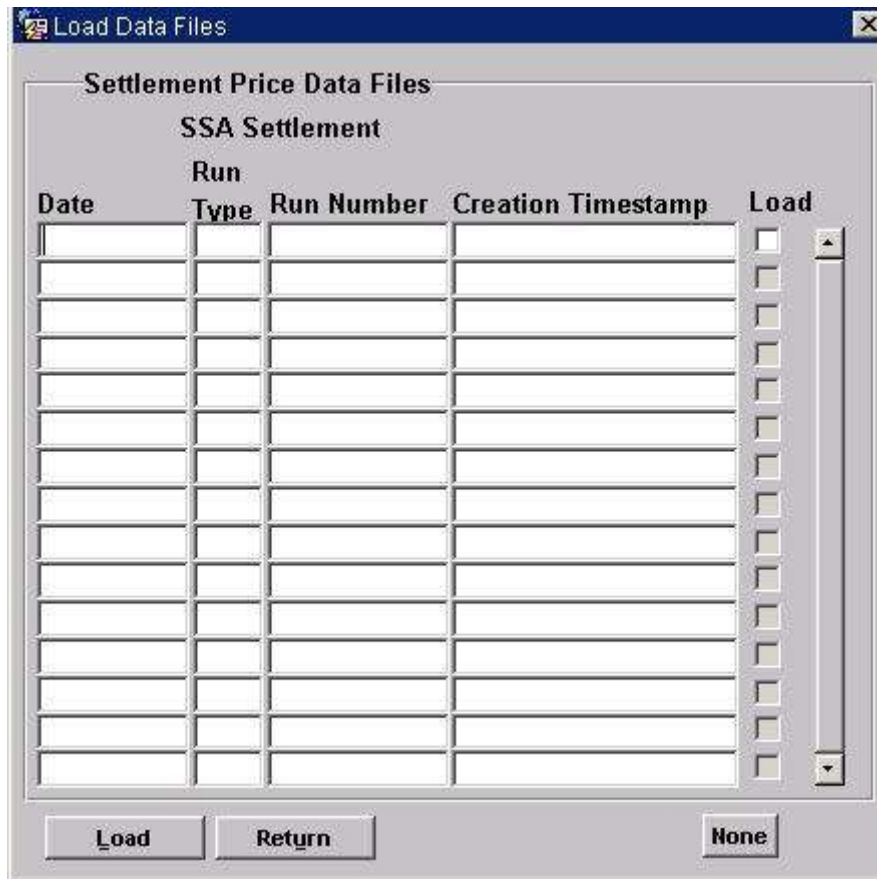

Figure 17: Load Data Files – Profile Data Files

1. Select the files that you want to load. To select individual files, check the corresponding Load check boxes. To select all files, click on the All button (the button changes to None – to uncheck the check boxes, click on the None button);

2. Click on the Load button.

The selected files are scheduled for loading.

5.8.1   Field Summary

Field	Details
Market Participant	Id and name of Market Participant that created the file
Creation Timestamp	The date and time at which the file was created
Load	Check this to flag the corresponding file for loading

Table 16: Profile Data Files – Field Summary

5.9   Load Aggregated Half Hourly Data

The following form is displayed when the cursor is positioned on the Aggregated Half Hourly file type and you have clicked on the File List button on the Load Data Files form.
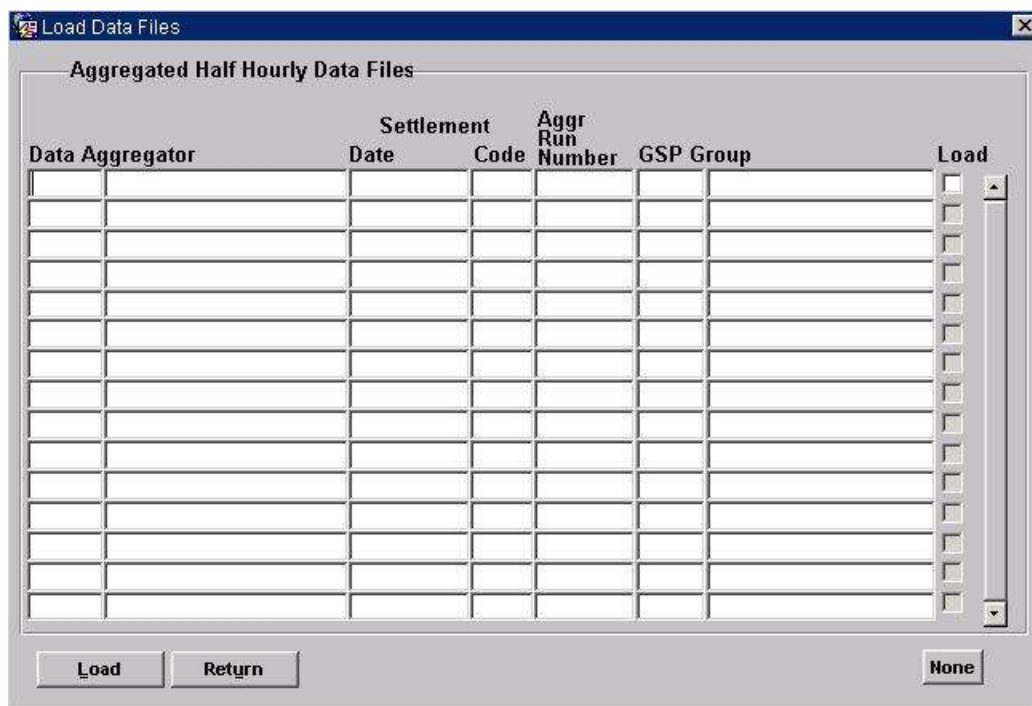
Figure 18: Load Data Files – Aggregated Half Hourly Data Files

1. Select the files that you want to load. To select individual files, check the corresponding Load check boxes. To select all files, click on the All button (the button changes to None – to uncheck the check boxes, click on the None button);

2. Click on the Load button.

The selected files are scheduled for loading.

5.9.1   Field Summary

Field	Details
Data Aggregator	Data Aggregator that created the file
Settlement Date	Settlement Date for which the data in the file is applicable
Settlement Code	Settlement Code for which the data in the file is applicable

Field	Details
Aggr Run Number	Run number of the Aggregation Run that generated the file
GSP Group	GSP Group for which the file is applicable
Load	Check this to flag the corresponding file for loading

Table 17: Aggregated Half Hourly Data Files – Field Summary

5.10   Load BM Unit Aggregated Half-Hour Data

NB: BM Unit Aggregated Half-Hour data files are not loaded for Settlement Dates before the NETA Start Date.

The following form is displayed when the cursor is positioned on the BM Unit Aggregated Half-Hour data file type and you have clicked on the File List button on the Load Data Files form.
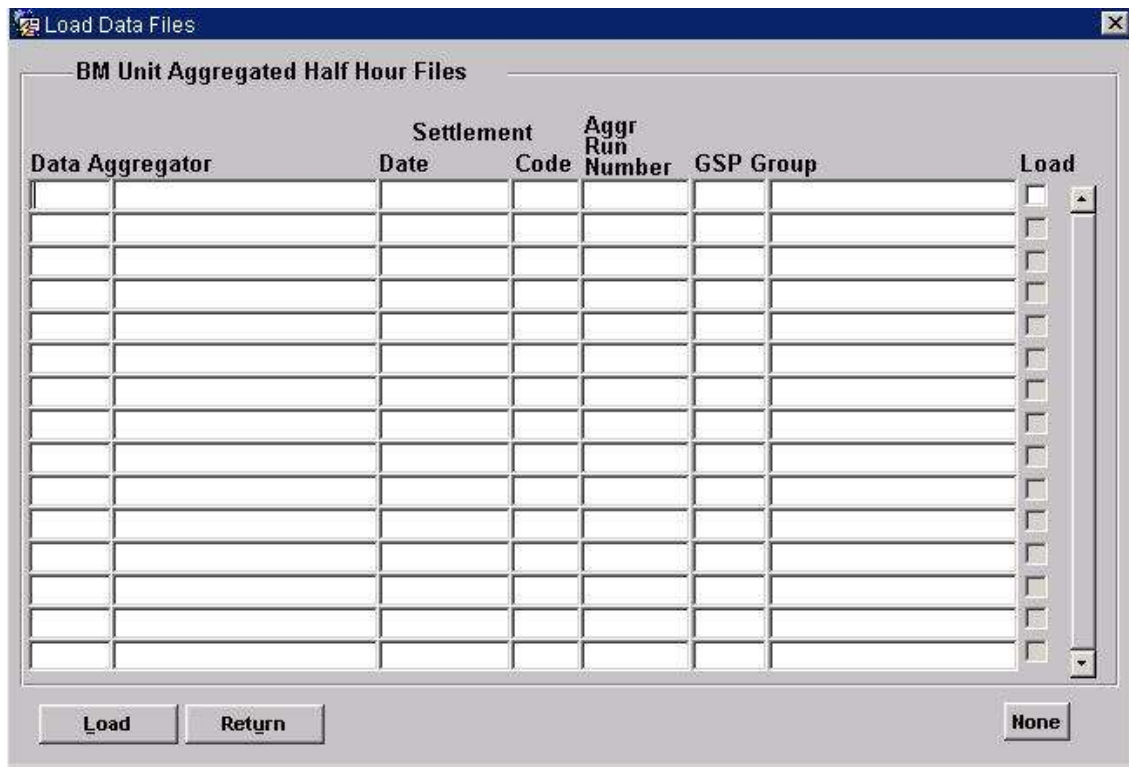
Figure 19: Load Data Files – BM Unit Aggregated Half Hour Files

1. Select the files that you want to load. To select individual files, check the corresponding Load check boxes. To select all files, click on the All button (the button changes to None – to uncheck the check boxes, click on the None button);

2. Click on the Load button.

The selected files are scheduled for loading.

5.10.1   Field Summary

Field	Details
Data Aggregator	Data Aggregator that created the file
Settlement Date	Settlement Date for which the data in the file is applicable
Settlement Code	Settlement Code for which the data in the file is applicable
Run Number	Run number of the Aggregation Run that generated the file
GSP Group	GSP Group for which the file is applicable
Load	Check this to flag the corresponding file for loading

Table 18: BM Unit Aggregated Half Hour Files – Field Summary

5.11   Load Tele-switch Contact Interval Data

The following form is displayed when the cursor is positioned on the Tele-switch Contact Interval Data file type and you have clicked on the File List button on the Load Data Files form.
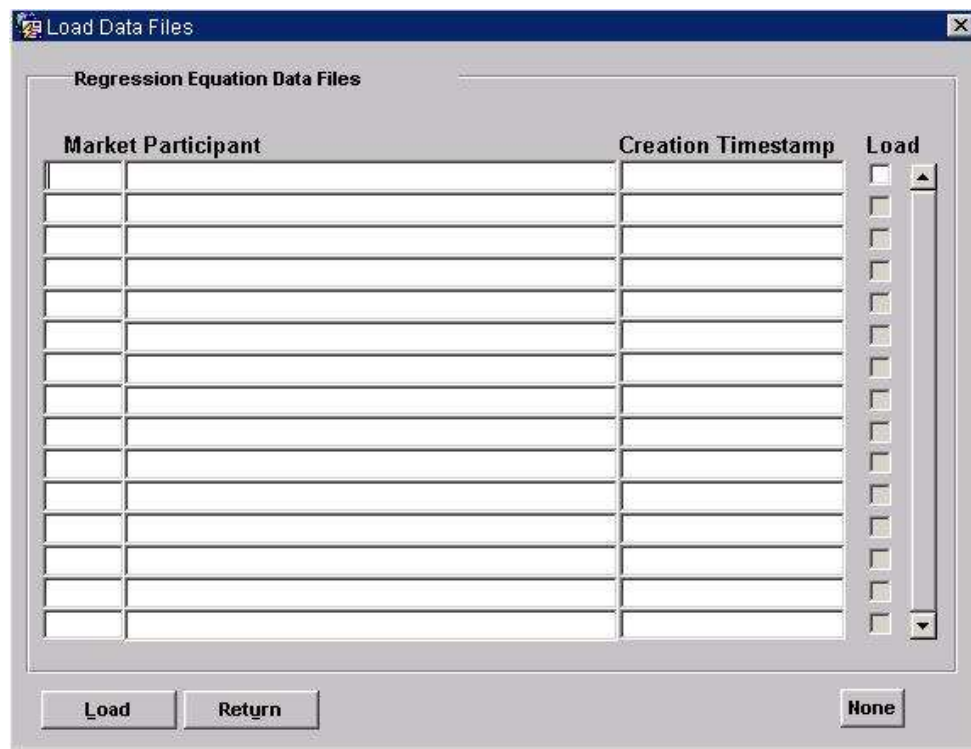

Figure 20: Load Data Files – Tele-switch Contact Interval Data Files

1. Select the files that you want to load. To select individual files, check the corresponding Load check boxes. To select all files, click on the All button (the button changes to None – to uncheck the check boxes, click on the None button);

2. Click on the Load button.

The selected files are scheduled for loading.

5.11.1 Field Summary

Field	Details
Market Participant	Id and name of Market Participant that created the file
Creation Timestamp	The date and time at which the file was created
Load	Check this to flag the corresponding file for loading

Table 19: Tele-switch Contact Interval Data Files – Field Summary

5.12 Load Supplier Purchase Matrix

The following form is displayed when the cursor is positioned on the Supplier Purchase Matrix file type and you have clicked on the File List button on the Load Data Files form.
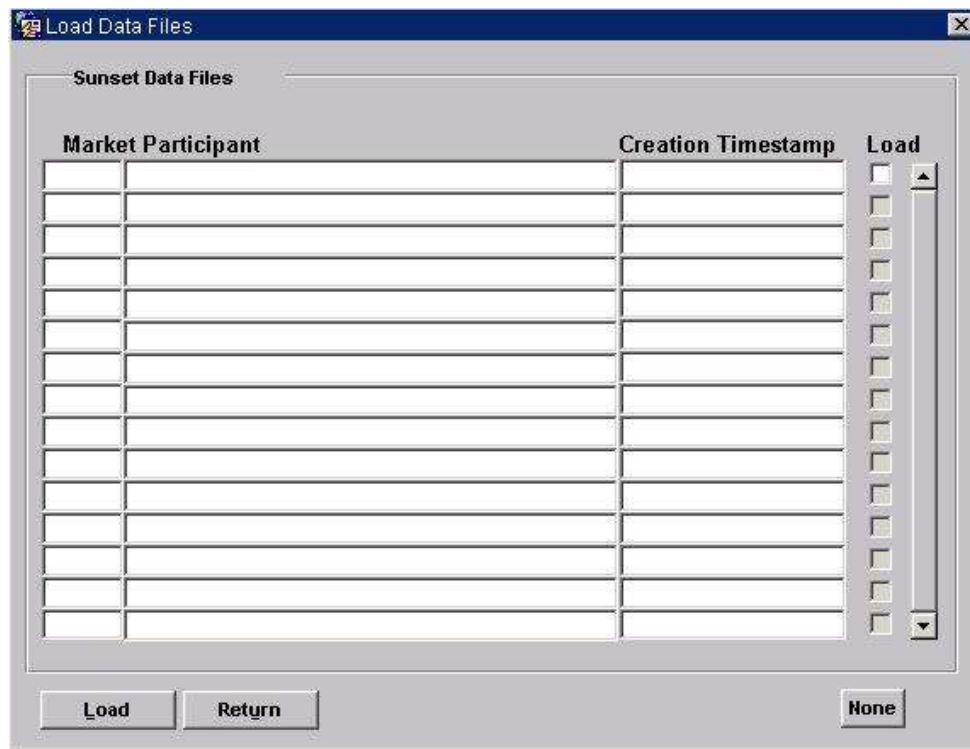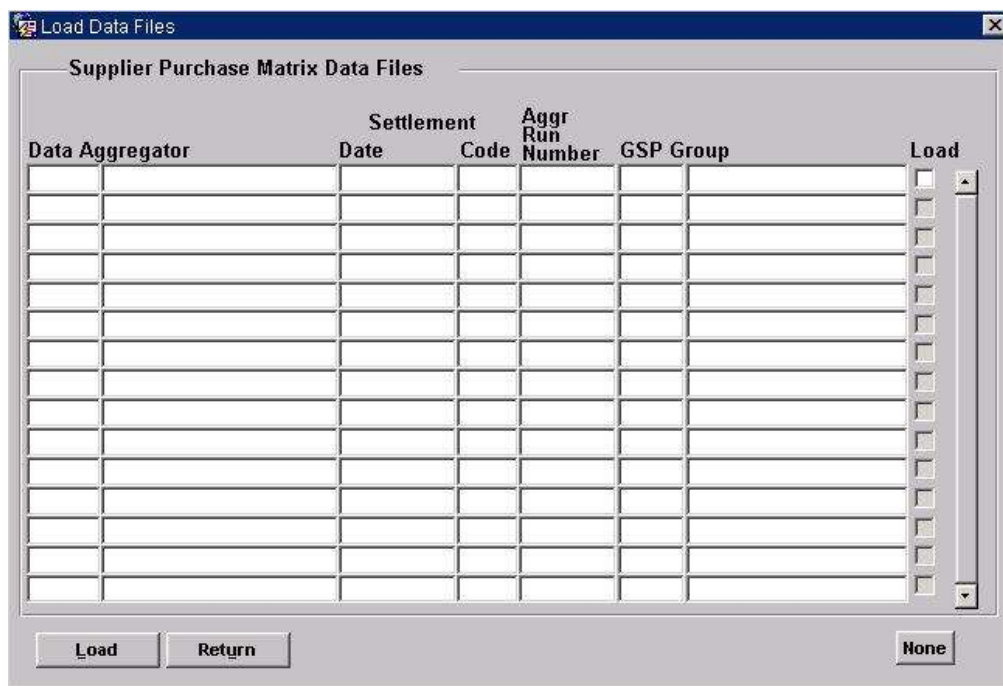

Figure 21: Load Data Files – Supplier Purchase Matrix Data Files

1. Select the files that you want to load. To select individual files, check the corresponding Load check boxes. To select all files, click on the All button (the button changes to None – to uncheck the check boxes, click on the None button);

2. Click on the Load button.

The selected files are scheduled for loading.

5.12.1 Field Summary

Field	Details
Data Aggregator	Data Aggregator that supplied the file
Settlement Date	Settlement Date for which the file is applicable
Settlement Code	Settlement Code for the run that generated the file

Field	Details
Aggr Run Number	Run number of the Aggregation Run that generated the file
GSP Group	GSP Group for which the file is applicable
Load	Check this to flag the corresponding file for loading

Table 20: Supplier Purchase Matrix Data Files – Field Summary

5.13 Load Data Aggregation and Settlements Timetable File

The following form is displayed when the cursor is positioned on the Data Aggregation and Settlements Timetable File type and you have clicked on the File List button on the Load Data Files form.

Figure 22: Load Data Files – Settlements Timetable Files

1. Select the files that you want to load. To select individual files, check the corresponding Load check boxes. To select all files, click on the All button (the button changes to None – to uncheck the check boxes, click on the None button);

2. Click on the Load button.

The selected files are scheduled for loading.

5.13.1 Field Summary

Field	Details
Market Participant	Id and name of Market Participant that created the file
Creation Timestamp	The date and time at which the file was created
Load	Check this to flag the corresponding file for loading

Table 21: Settlements Timetable Files – Field Summary

5.14 Load BM Unit Registration Data File

The following form is displayed when the cursor is positioned on the BM Unit Registration Data File type and you have clicked on the File List button on the Load Data Files form.

Figure 23: Load Data Files – BM Unit Registration Data Files

1. Select the files that you want to load. To select individual files, check the corresponding Load check boxes. To select all files, click on the All button (the button changes to None – to uncheck the check boxes, click on the None button);

2. Click on the Load button.

The selected files are scheduled for loading.

5.14.1 Field Summary

Field	Details
Market Participant	Id and name of Market Participant that created the file
Creation Timestamp	The date and time at which the file was created

Field	Details
Load	Check this to flag the corresponding file for loading

Table 22: BM Unit Registration Data Files – Field Summary

5.15 Load Market Domain Data Complete Set File

The following form is displayed when the cursor is positioned on the Market Domain Data Complete Set File type and you have clicked on the File List button on the Load Data Files form.
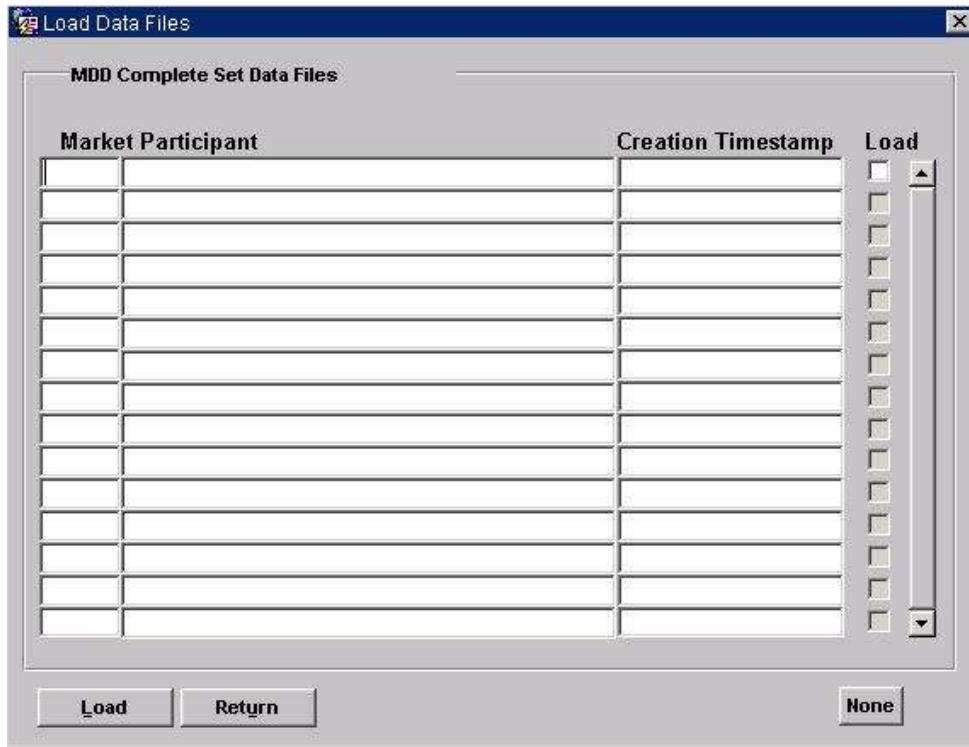
Figure 24: Load Data Files – MDD Complete Set Data Files

1. Select the files that you want to load. To select individual files, check the corresponding Load check boxes. To select all files, click on the All button (the button changes to None – to uncheck the check boxes, click on the None button);

2. Click on the Load button.

The selected files are scheduled for loading.

5.15.1 Field Summary

Field	Details
Market Participant	Id and name of Market Participant that created the file
Creation Timestamp	The date and time at which the file was created
Load	Check this to flag the corresponding file for loading

Table 23: MDD Complete Set Data Files – Field Summary

6 Maintain Temperature

You can use this form to load and maintain the Actual Noon Temperature for a particular Settlement Date.

From this temperature, a Noon Effective Temperature is calculated, which is the weighted average of the actual noon temperatures for the Settlement Date and the previous two Settlement Dates. The Noon Effective Temperature is used in the production of Daily Profiles.

Note that Sunset Data must already exist for the Settlement Date before temperature data can be entered. An error message is displayed if Sunset data is not available.

Figure 25: Maintain Temperature

6.1 Maintain Temperatures

1. Enter the Settlement Date for which you want to maintain temperatures. When you leave this field, if any temperatures have already been defined for that Settlement Date, the details are displayed. Note that if no temperature details have already been specified for the selected Settlement Date, all GSP Groups are displayed.

2. Once the Load Temperature button is pressed the User can browse to the directory to locate the file with Temperature data for the day which is

stored as a text file in User's computer. After selecting the file, the form will load the data in the selected input text file. If all the readings are not present for the readings from site at 12:00, then the readings for the missing data will be taken from the readings in the below order of priority.

- Site Reading at 13:00

- Site Reading at 11:00

- Backup Site Reading at 12:00

- Backup Site Reading at 13:00

- Backup Site Reading at 11:00

If some of the readings are missing after scanning all the data then an error message will be shown stating that the readings are missing and the User needs to enter the missing reading manually.

3. Navigate to the GSP Group and enter or amend the actual noon temperature.

The noon effective temperature for the Settlement Date is calculated only if actual noon temperatures exist for the previous two Settlement Dates. Similarly, the noon effective temperature for the following two Settlement Dates will be calculated provided the actual noon temperatures exist for the corresponding previous two Settlement Dates.

6.2 Field Summary

Field	Details
Settlement Date	The Settlement Date for which you want to maintain temperatures
GSP Group	GSP group Id and name
Noon Temperature Actual	Actual noon temperature for the selected Settlement Date
Noon Temperature Effective	Effective noon temperature for the selected Settlement Date

Table 24: Maintain Temperature – Field Summary

7   Maintain Market Participants

The following form can be used to maintain details of Market Participants.
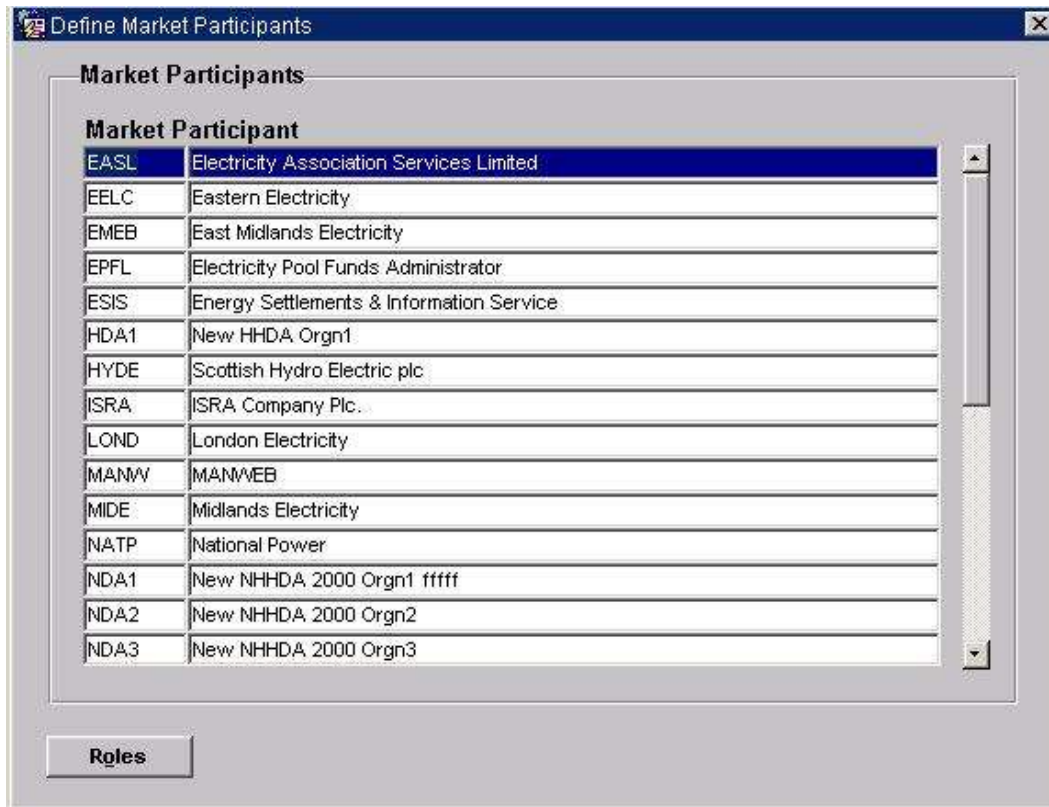
Figure 26: Define Market Parameters – Market Participants
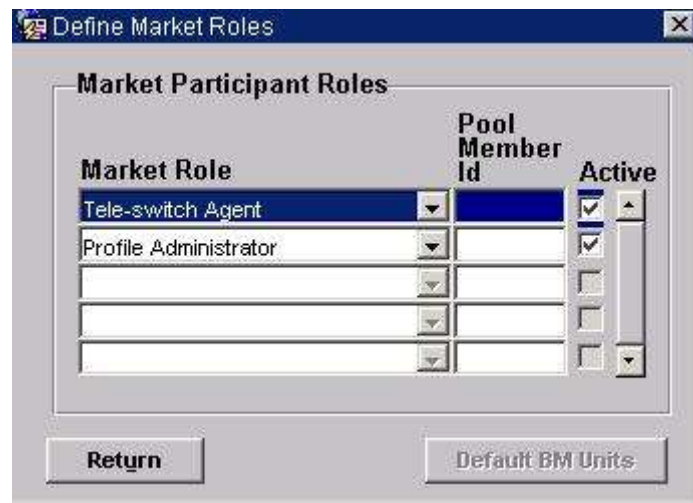
Figure 27: Define Market Parameters – Market Participant Roles

Figure 28: Define Default BM Units – Default BM Units

7.1   Create a Market Participant

1. Enter a Market Participant Id and name;

2. To assign the Market Participant to one or more Market Roles, click on the Roles button. The Market Participant Roles form is displayed;

3. Select the required Market Role from the drop-down list;

4. If the Market Participant is a Supplier, you must enter a Pool Member Id. Suppliers may also be given Default BM Units before they are saved by clicking the Default BM Units button from the Market Participant Roles screen. The user can then enter a unique BM Unit Id and Effective From Date and, optionally, an Effective To Date for any of the GSP Groups on the system.

If the Market Participant is CDCA, the role code must be set to that of SSA, and the System Parameter "CDCA Participant Id" must also be changed to be the same as the new CDCA Market Participant Id. The Active check box defaults to checked. This indicates that the corresponding Market Participant is actively engaged in the Market Role.

To assign another market role to the Market Participant, place the cursor in the Pool Member Id of the next record, or click on the Insert Record button on the toolbar.

7.2   Amend Market Participant Details

1. Select the required Market Participant;

2. Amend the Market Participant name if required;

3. For a Supplier, amend the Pool Member Id if required;

4. To delete the Data Collector role of a Market Participant, position the cursor on the role and delete the row using the menu or toolbar.

To deactivate the Market Participant from any other Market Role, uncheck the Active check box. Deactivation is not permitted under any of the following circumstances:

If the Market Role is Supplier and the Settlement Date on which the Supplier's appointment to a GSP Group or a Data Aggregator's appointment to the Supplier commences, is on or earlier than the Settlement Date for a Final Initial Settlement run for the same GSP Group, and you are not logged on as Standing Data Manager, an error is displayed. If you are logged on as Standing Data Manager, a Standing Data Audit Report is generated. Note that all BM Units assigned to that Supplier are deleted from the system and if the data was used in an SSR Run then these deletions will show up on the Standing Data Audit Report generated.

If the Market Role is Distributor and activated Line Loss Factor Classes have been assigned to the Market Participant in that role.

If the Market Role is Data Collector and the Data Collector has any current appointments to any GSP Groups.

If the Market Role is Data Aggregator and the Settlement Date from which the Data Aggregator is appointed to a Supplier for a particular GSP Group is on or earlier than the Settlement Date for a Final Initial Settlement run for the same GSP Group, and you are not logged on as Standing Data Manager, an error is displayed. If you are logged on as Standing Data Manager, a Standing Data Audit Report is generated.

To assign another market role to the Market Participant, place the cursor in the Pool Member Id of the next record, or click on the Insert Record button on the toolbar.

7.3   Delete a Market Participant

1. Select the required Market Participant;

2. Delete the row.

Deletion is not permitted if the Market Participant has already been assigned to a Market Role.

7.4   Field Summary

Field	Details
Market Participant	Market Participant Id and name
Market Role	Market Role
Pool Member Id	The Pool Member Id of a Supplier
Active	Indicates whether or not the currently selected Market Participant is actively engaged in the Market Role

Table 25: Market Participants – Field Summary

8   Maintain BM Units in GSP Group

The following form can be used to maintain the BM Units within a GSP Group.

Figure 29: Define BM Units in GSP Group

1. Select a GSP Group by executing a query or selecting from a list of values. The Description of the selected GSP Group is populated automatically;

2. Select a Supplier by executing a query or selecting from a list of values. For the selected combination of GSP Group and Supplier, BM Units are displayed;

3. On moving to the 'BM Units in GSP Group' block a query is automatically performed.

8.1   Create BM Units

On entering the screen, criteria must be entered to retrieve the current BM Units from the database for a given GSP Group and Supplier. To create a new BM Unit, carry out the following steps:

1. In the BM Units block, create a new row. The GSP Group and Supplier will default to the values in the Criteria block.

2. Enter the BM Unit Id which can consist of up to 11 alphanumeric characters and must be unique for a given Settlement Date.

3. Enter the Effective From Date of the BM Unit.

4. Enter the Effective To Date of the BM Unit, if this is left blank then the BM Unit is valid from the Effective From Date onwards.

5. If the BM Unit is a default then check the "Default" box.

BM Units must be unique for a given Settlement Date, so any new BM Units that are entered must not overlap in their date range with BM Units with the same Id. A BM Unit can be entered that doesn't correspond to the criteria entered, i.e. for a different GSP Group and Supplier from those shown in the block.

If a default BM Unit is being entered, it should be noted that a Supplier and GSP Group can only have one Default BM Unit on any given Settlement Date. This means the other defaults must be amended so that they do not overlap.

A BMU for a Scottish GSP Group cannot have the Effective From Date before BETTA start date.

8.2   Amend BM Units

Once a query for a set of BM Units allocated to a GSP Group and Supplier combination has retrieved records in the BM Units block, any item of data may be amended on the records providing there is no Non-Half Hourly BM Unit Allocation for the BM Unit. If there is no Non-Half Hourly BM Unit Allocation for the BM Unit, then the BM Unit can be assigned to a different GSP Group, or the BM Unit may be switched to another Supplier within the same GSP Group or an effective from date changed for instance. If the BM Unit has a Non-Half Hourly BM Unit Allocation then an update is only allowed to the Effective to Settlement Date (subject to the date validation below).

Any changes that occur in the block will only be validated when they are saved, so many records can be changed and even added at the same time to follow the rules of BM Unit allocation:

- Each BM Unit Id should be unique for a Settlement Date;

- Each GSP Group and Supplier combination should have only have one default BM Unit for any given Settlement Date.

A BMU for a Scottish GSP Group cannot have the Effective From Date before BETTA start date. This validation takes place immediately.

8.3   Delete BM Units

1.   Select the required BM Unit;

2.   Click on the delete button.

If the Effective From Settlement Date is earlier than the date on which a Final Initial Settlement has been performed, and you are not logged on as Standing Data Manager, an error is displayed. If you are logged on as Standing Data Manager, a Standing Data Audit Report is generated.

Deleting a BM Unit for Supplier in GSP Group record will delete all associated child Non Half Hourly BM Unit Allocation records.

8.4   Field Summary

Field	Details
GSP	GSP Group Id
Supplier	Id and name of Supplier
BM Unit	Id of the BM Unit allocated to the GSP Group and Supplier which can be up to 11 alphanumeric characters in length
From	Settlement Date from which the BM Unit is allocated to the GSP

Field	Details
	Group and Supplier specified
To	Settlement Date after which the BM Unit ceases to be allocated to the GSP Group and Supplier specified
Default	Flag indicating whether the BM Unit is a default

Table 26: Maintain BM Units in GSP Group – Field Summary

9   Maintain Non Half Hourly BM Unit Allocations

The following form can be used to specify the Non Half Hourly BM Unit Allocations.

Figure 30: Specify NHH BM Unit Allocations

1. Select a BM Unit by executing a query or selecting from a list of values;

2. Select a GSP Group by executing a query or selecting from a list of values. The Description of the selected GSP Group is populated automatically;

3. Select a Supplier by executing a query or selecting from a list of values. The Description of the selected Supplier is populated automatically;

4. Select a BM Unit for Supplier in GSP Group Effective From Settlement Date by executing a query or selecting from a list of values;

5. On moving to the 'Non-Half Hourly BM Unit Allocations' block a query is automatically performed.

9.1   Create Non Half Hourly BM Unit Allocations

On entering the screen, criteria must be entered to retrieve the current Non Half Hourly BM Unit Allocations for a given BM Unit, GSP Group, Supplier and Effective From Settlement Date of the BMUIGG. To create a new Non Half Hourly BM Unit Allocation, carry out the following steps:

1. In the Non Half Hourly BM Unit Allocations block, create a new row.

2. Enter the Profile Class.

3. Enter the Standard Settlement Configuration.

4. Enter the Effective From Date of the Non Half Hourly BM Unit Allocation.

5. Enter the Effective To Date of the Non Half Hourly BM Unit Allocation. If this is left blank then the Non Half Hourly BM Unit Allocation is valid from the Effective From Date onwards.

The following validation is performed on the record:

The Effective From Date must be less than or equal to the Effective To Settlement Date.

The Effective From Date must be greater than or equal to the Effective From Date of the parent BM Unit for Supplier in GSP Group record and the Effective To Date must be less than or equal to the Effective To Date of the parent BM Unit for Supplier in GSP Group record.

There must exist one or more sets of Average Fraction of Yearly Consumption for the GSP Group, Profile Class and Standard Settlement Configuration whose effective date range cover every settlement day for which the Non-Half Hourly BM Unit Allocation is effective.

The effective date range of the Non Half Hourly BM Unit Allocation for a combination of GSP Group, Supplier and VSCPC must not overlap any other Non Half Hourly BM Unit Allocation for the same GSP Group, Supplier and VSCPC (i.e. the combination of GSP Group, Supplier and VSCPC must be assigned to only one BM Unit on any one settlement day).

A BMU for a Scottish GSP Group cannot have the Effective From Date before BETTA start date.

9.2   Amend Non Half Hourly BM Unit Allocations

Once a query for a BM Unit allocated to a GSP Group and Supplier combination has retrieved records in the Non Half Hourly BM Unit Allocation block, the Effective From and Effective To Dates may be amended on the records.

Any updates to the Effective From and To Dates will subject to the following validation:

The Effective From Date must be less than or equal to the Effective To Settlement Date.

The Effective From Date must be greater than or equal to the Effective From Date of the parent BM Unit for Supplier in GSP Group record and the Effective To Date must be less than or equal to the Effective To Date of the parent BM Unit for Supplier in GSP Group record.

There must exist one or more sets of Average Fraction of Yearly Consumption in for the GSP Group, Profile Class and Standard Settlement Configuration whose effective date range cover every settlement day for which the Non-Half Hourly BM Unit Allocation is effective.

The effective date range of the Non Half Hourly BM Unit Allocation for a combination of GSP Group, Supplier and VSCPC must not overlap any other Non Half Hourly BM Unit Allocation for the same GSP Group, Supplier and VSCPC (i.e. the combination of GSP Group, Supplier and VSCPC must be assigned to only one BM Unit on any one settlement day).

A BMU for a Scottish GSP Group cannot have the Effective From Date before BETTA start date.

9.3 Delete Non Half Hourly BM Unit Allocations

1. Select the required record (VSCPC);

2. Click on the delete button. The VSCPC record is no longer allocated to the BM Unit for Supplier in GSP Group.

If the Effective From Settlement Date is earlier than the date on which a Final Initial Settlement has been performed, and you are not logged on as Standing Data Manager, an error is displayed. If you are logged on as Standing Data Manager, a Standing Data Audit Report is generated.

9.4 Field Summary

Field	Details
GSP	GSP Group Id
Supplier	Id and name of Supplier
BM Unit	Id of the BM Unit allocated to the GSP Group and Supplier
BM Unit Effective From Date	Settlement Date from which the BM Unit is allocated to the GSP Group and Supplier specified
Profile Class	Profile Class Id
Standard Settlement Configuration	Standard Settlement Configuration Id
Effective From Settlement Date	Effective From Date of the Non Half Hourly BM Unit Allocation
Effective To Settlement Date	Effective To Date of the Non Half Hourly BM Unit Allocation

Table 27: Maintain NHH BM Unit Allocations – Field Summary

10   View Data Aggregator Appointments to Suppliers

The following form can be used to browse Data Aggregator Appointments to Suppliers.

Figure 31: Browse Data Aggregators For Suppliers

10.1   Browse Data Aggregator Appointments to a Supplier

1.   Enter query mode and enter a Supplier Id, or select from a list of values.

2.   Execute the query.

Details of the Data Aggregator appointments to the Supplier for particular GSP Groups are displayed.

10.2   Field Summary

Field	Details
Supplier	Id and name of Supplier
Data Aggregator	Id and name of Data Aggregator appointed to Supplier
Aggregation Type	Type of Aggregator (Half Hourly or Non-Half Hourly)
GSP Group	GSP Group for which the Data Aggregator is appointed to the Supplier
From Settlement Date	Settlement Date from which the Data Aggregator is appointed to the Supplier for the corresponding GSP Group
To Settlement Date	Settlement Date after which the Data Aggregator ceases to be appointed to the Supplier for the corresponding GSP Group

Table 28: View Data Aggregators to Suppliers – Field Summary

11 Maintain Line Loss Factor Classes

The following form can be used to maintain Line Loss Factor Classes.

Figure 32: Define Line Loss Factor Classes – Line Loss Factor Classes

11.1 Create a Line Loss Factor Class

1. Select the required Distributor by executing a query or selection from a list of values. The name is populated automatically;

2. Enter a Line Loss Factor Class Id (this must be between 1 and 999 inclusive);

3. Enter the Settlement Date Range for which the Line Loss Factor Class is applicable.

The Active check box defaults to checked.

If the From Settlement Date is earlier than the date on which a Final Initial Settlement has been performed, and you are not logged on as Standing Data Manager, an error is displayed. If you are logged on as Standing Data Manager, a Standing Data Audit Report is generated.

11.2 Amend a Line Loss Factor Class

1. Select the required Distributor by executing a query or selection from a list of values. The name is populated automatically;

2. Amend the To Settlement Date if required. If the new Settlement Period (defined by the From Settlement Date and To Settlement Date) does not encompass all existing Line Loss Factors for the Distributor, a warning is displayed, but the change can be performed.

If the From Settlement Date is earlier than the date on which a Final Initial Settlement has been performed, and you are not logged on as Standing Data Manager, an error is displayed. If you are logged on as Standing Data Manager, a Standing Data Audit Report is generated.

11.3   Delete a Line Loss Factor Class

1. Select the required Distributor by executing a query or selection from a list of values. The name is populated automatically;

2. Uncheck the Active check box.

If the From Settlement Date is earlier than the date on which a Final Initial Settlement has been performed, and you are not logged on as Standing Data Manager, an error is displayed. If you are logged on as Standing Data Manager, a Standing Data Audit Report is generated.

Otherwise, a warning is displayed, before the Line Loss Factor Class is deactivated, and any Line Loss Factors for Settlement Dates within the Settlement Period are deleted if you choose to continue. A Standing Data Audit Report is generated.

11.4   Field Summary

Field	Details
Distributor	Distributor Id and name
Line Loss Factor Class	Line Loss Factor Class value
From Settlement Date	Settlement Date from which the LLFC is applicable
To Settlement Date	Settlement Date to which the LLFC is applicable
Active	Indicates whether or not the corresponding LLFC is in effect

Table 29: Line Loss Factor Classes – Field Summary

12   Maintain Calendar

Use this form to define and maintain a calendar.

Figure 33: Define Calendar

12.1   Add a New Calendar

1. Enter the Settlement Dates denoting the start and end of the Calendar;

2. Select the appropriate Season from the drop-down list;

3. To create the Settlement Days for the Season and Settlement Date Range, click on the Assign Season button. You are prompted for confirmation. Once this task is complete, details of the Settlement Days are displayed.

If the Start Date is earlier than the date on which a Final Initial Settlement has been performed, and you are not logged in as Standing Data Manager, an error is displayed. If you are logged in as Standing Data Manager, a Standing Data Audit Report is generated.

12.2   Amend an Existing Calendar

1. Enter the Settlement Dates denoting the start and end of the Calendar;

2. If required, enter a GMT Time of Change. A Local Time Post Change must be entered, and cannot exceed one hour later than the GMT Time of Change;

3. If required, reassign a season using the Assign Season button.

Note that a Settlement Day cannot be deleted.

If the Start Date is earlier than the date on which a Final Initial Settlement has been performed, and you are not logged in as Standing Data Manager, an error is displayed. If you are logged in as Standing Data Manager, a Standing Data Audit Report is generated.

12.3   Field Summary

Field	Details
Start Date	Settlement Date denoting the start of the calendar
End Date	Settlement Date denoting the end of the calendar
Season	Season – one of Winter, Spring, Summer, High Summer, Autumn
Settlement Date	Settlement Date that falls within the Settlement Date range
Day Type	Type of day, e.g. Saturday, New Year's Day, First May Bank Holiday, Shoulder Day.
Scottish Day Type	Type of day applicable to Scotland only
Season	Season to which the corresponding date has been assigned
GMT Time of Change	Time, in 24 hour format, indicating the time at which local time deviates from GMT
Local Time Post Change	Time, in 24 hour format, indicating local time post a change from GMT

Table 30: Define Calendar – Field Summary

13   Maintain Settlement Calendar

This form can be used to maintain details of a Settlement Calendar.

Figure 34: Maintain Settlement Calendar

13.1   Add a New Settlement or Reconciliation Run

1. Enter the Settlement Date for the Run. Details of runs already entered for the Settlement Date are displayed when you leave the Settlement Date field. If you enter an invalid Settlement Date, when you exit the field a list of values is displayed from which you can select a valid date. For the Settlement Date entered, the Run(s) checkbox indicates whether or not runs have already been performed for the corresponding Settlement Code;

2. Enter the Settlement Code, or select from a list of values. The Settlement Code must be unique for the Settlement Date. The Description is populated automatically;

3. Enter the Payment Date;

4. Enter the Planned Run Date. This must be the same as or earlier than the Payment Date.

13.2   Amend an Existing Settlement or Reconciliation Run

1. Enter the Settlement Date for the Run. Details of runs already entered for the Settlement Date are displayed when you leave the Settlement Date field. For the Settlement Date entered, the Run(s) checkbox indicates

whether or not runs have already been performed for the corresponding Settlement Code;

2. Amend the Settlement Code, Payment Date or Planned Run Date as required. The Planned Run Date must be on or earlier than the Payment Date. These details cannot be amended if the run has already been performed.

Note that if SSA data (GSP Group Take and Settlement Price data) has been loaded for the Settlement Run, the Payment Date and Planned Run Date cannot be modified. This restriction does not apply to DF runs.

13.3 Delete a Settlement or Reconciliation Run

1. Enter the Settlement Date for the Run. Details of runs already entered for the Settlement Date are displayed when you leave the field. For the Settlement Date entered, the Run(s) checkbox indicates whether or not runs have already been performed for the corresponding Settlement Code;

2. Delete the required row.

Note that you cannot delete a Run if it has already taken place, i.e. if the Run(s) checkbox is checked.

Note that if SSA data (GSP Group Take and Settlement Price data) has been loaded for the Settlement Run, Settlement details cannot be deleted. This validation does not apply to DF runs.

Note that if Half Hourly Aggregator Data has already been loaded for the selected Settlement Date and Code, the Settlement details cannot be deleted. Again, this validation does not apply to DF runs.

13.4 Field Summary

Field	Details
Settlement Date	Date of the Settlement
Settlement Code	Settlement Code for the corresponding Settlement Run. One of: SF, R1, R2, R3, RF, DR, DF
Settlement Description	Description of the Settlement Run. One of: Initial Settlement, Final Initial Settlement, First Reconciliation, Second Reconciliation, Third Reconciliation, Final Reconciliation, Dispute, Final Dispute
Payment Date	Published Settlement Timetable payment date
Planned Run Date	Planned date for the Settlement or Reconciliation Run
Run(s)	Indicates whether or not any runs have already taken place for the corresponding Settlement Date and Settlement Code

Table 31: Maintain Settlement Calendar – Field Summary

14   Maintain GSP Correction Scaling Factors

Use the following form to maintain GSP Correction Scaling Factors.

Figure 35: Define GSP Correction Scaling Factors

14.1   Add a Correction Scaling Factor

1. Enter the Consumption Class Id and select the other information from the drop-down lists. Any existing Correction Scaling Factors for the criteria entered are displayed;

2. Insert a row and enter the Settlement Date from which the Correction Scaling Factor is applicable and the Correction Scaling Factor value. The date must not be earlier than an existing Settlement Date. The value should normally be between 0 (not applied) and 1 (applied).

14.2   Amend a Correction Scaling Factor

1. Enter the Consumption Class Id and select the other information from the drop-down lists. Any existing Correction Scaling Factors for the criteria entered are displayed;

2. Amend the Settlement Date and Correction Scaling Factor as required. The date must not be earlier than an existing Settlement Date. The value should normally be between 0 (not applied) and 1 (applied).

If amendments to a Correction Scaling Factor result in all other Correction Scaling Factors for the Settlement Date period, (between the Effective From Settlement Date and the next), being zero, a warning message is displayed.

14.3   Delete a Correction Scaling Factor

1.   Enter the Consumption Class Id and select the other information from the drop-down lists. Any existing Correction Scaling Factors for the criteria entered are displayed;

2.   Delete the row containing the required Correction Scaling Factor.

If deletion of a Correction Scaling Factor results in all other Correction Scaling Factors for the Settlement Date period, (between the Effective From Settlement Date and the next), being zero, a warning message is displayed.

14.4   Field Summary

Field	Details
Consump Comp Class	Id of the Consumption Component Class
Aggregation Type	One of: Half Hourly Non-Half Hourly
Actual / Est Ind	One of: Actual Estimated
AA / EAC	One of: Annualised Advance Estimated Annual Consumption
Consumption Ind	One of: Metering Specific Line Loss Class Specific Line Loss Consumption Generation
Metered Ind	One of: Metered Unmetered
Quantity Ind	One of: Import Export
From Settlement Date	Settlement Date from which the corresponding Correction Scaling Factor is applicable
Correction Scaling Factor	Correction Scaling Factor. Between: 0 (not applied) 1 (applied)

Table 32: Define GSP Correction Scaling Factors – Field Summary

15   Maintain GSP Groups

This form enables you to maintain GSP Group details and view which Market Participants are appointed to a GSP Group on a particular date.

Refer to section 17 for maintaining Market Participant appointments to GSP Groups.

The ISRA Association From Date and To Date fields are used only to determine the default set of GSP Groups for SSR and PPR Runs.

Figure 36: Define GSP Groups – GSP Groups

15.1   Add a GSP Group

1. Insert a row and enter a GSP Group Id and name. The Id must be unique;

2. Enter the calendar date from which the ISR Agent is appointed to the GSP Group;

3. Enter the calendar date after which the ISR Agent ceases to be appointed to the GSP Group.

    Any new GSP group added this way will be for England and Wales only. To add a new Scottish GSP Group, create the GSP Group as described above; this will create a new entry in database table idb_gsp_groups with

SCOTTISH_GSP_GROUP_FLAG set to 'N'. Then, manually update the value of SCOTTISH_GSP_GROUP_FLAG to 'Y' for this entry.

Note that any changes must be cancelled or saved before you can display details of Market Participant associations with GSP Groups.

15.2   Amend a GSP Group

1. Navigate to the required GSP Group;

2. Amend the GSP Group Name, From Date and To Date as required.

Note that any changes must be cancelled or saved before you can display details of Market Participant associations with GSP Groups.

15.3   Delete a GSP Group

1. Navigate to the required GSP Group;

2. Delete the row.

Note that the GSP Group cannot be deleted if it is associated with any of the following:

- GSP Group Takes

- Market Participant Roles

- Daily GSP Group Purchases

- Profile Production Runs

- Sunset Times

- Noon Effective Temperatures

- Average Fractions of Yearly Consumption

If the GSP Group has no associations with any of these, but is associated with Average EACs, then a warning is displayed. You can cancel the deletion, or continue; if you continue, any associated average EACs are also deleted.

15.4   View Market Participant Appointments to a GSP Group

To display the Data Collector, Data Aggregator, Supplier or Distributor that was appointed to a GSP Group on a specified date:

1. Save or cancel any changes made to GSP Group details;

2. Enter the date for which you want to view Market Participants' appointments to the selected GSP Group. This date is a Calendar Date for Data Collectors, and a Settlement Date for Data Aggregators, Distributors or Suppliers;

3. Click on the appropriate Market Participant button. One of the following forms is displayed.

Each form shows the appropriate Market Participant that was appointed to the GSP Group and Date you specified, and the Market Participant's appointments to other GSP Groups.
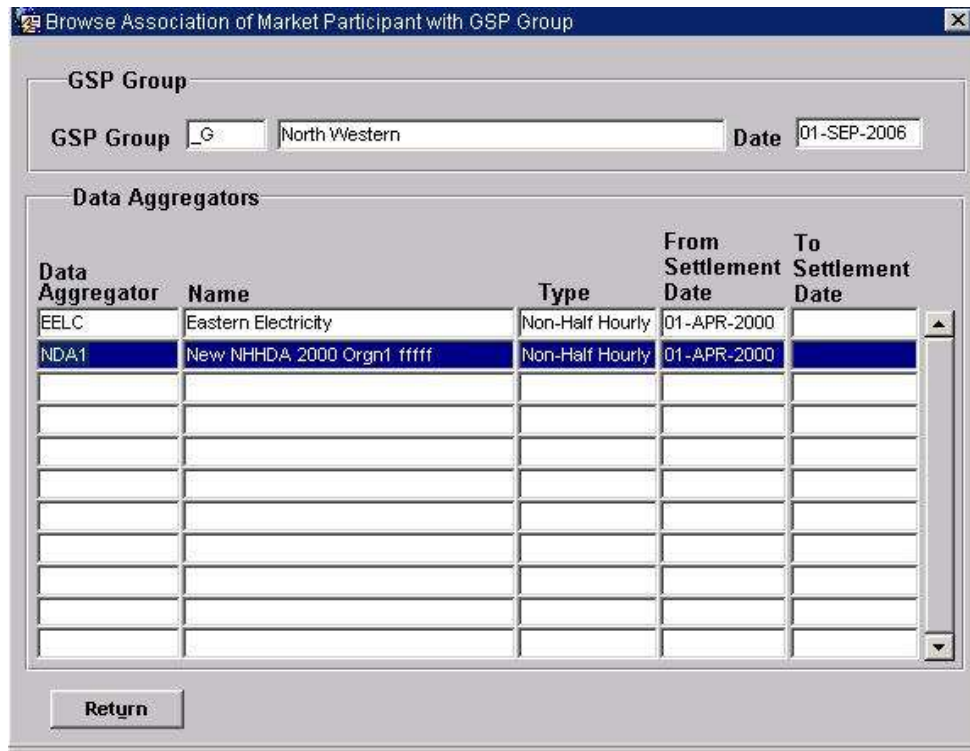
Figure 37: Browse Association of Market Participant with GSP Group – GSP Group

15.5 Field Summary

Field	Details
Define GSP Groups	
GSP Group	GSP Group Id
Name	GSP Group Name
From Date	Inclusive calendar date from which the ISR Agent starts to operate in a GSP Group. This is used to determine the default set of GSP Groups for SSR and PPR Runs.
To Date	Inclusive calendar date after which the ISR Agent ceases to operate in a GSP Group. This is used to determine the default set of GSP Groups for SSR and PPR Runs.
Query Date	Date for which you want to view details of Market Participant appointments to GSP Groups (Calendar Date for Data Collectors, Settlement Date for Data Aggregators, Distributors and Suppliers)
Browse Association of Data Collector with GSP Group	
GSP Group	GSP Group selected on the Define GSP Groups form
Date	Date entered on the Define GSP Groups form
Data Collector	Id of the Data Collector
Name	Name of the Data Collector
From Date	Start date of the Data Collector's appointment to the GSP Group
To Date	Date after which the Data Collector ceases to be appointed to the GSP Group
Browse Association of Data Aggregator with GSP Group	

Field	Details
GSP Group	GSP Group selected on the Define GSP Groups form
Date	Date entered on the Define GSP Groups form
Data Aggregator	Id of the Data Aggregator
Name	Name of the Data Aggregator
Type	Type of Aggregator, one of Half Hourly or Non-Half Hourly
From Settlement Date	Start date of the Data Aggregator's appointment within the GSP Group
To Settlement Date	Date after which the Data Aggregator ceases to be appointed within the GSP Group
Browse Association of Distributor with GSP Group	
GSP Group	GSP Group selected on the Define GSP Groups form
Date	Date entered on the Define GSP Groups form
Distributor	Id of the Distributor
Name	Name of the Distributor
From Date	Start date of the Distributor's appointment within the GSP Group
To Date	Date after which the Distributor ceases to be within the GSP Group
Browse Association of Supplier with GSP Group	
GSP Group	GSP Group selected on the Define GSP Groups form
Date	Date entered on the Define GSP Groups form
Supplier	Id of the Supplier
Name	Name of the Supplier
From Settlement Date	Start date of the Supplier's appointment to the GSP Group
To Settlement Date	Date after which the Supplier ceases to be appointed to the GSP Group

Table 33: GSP Groups – Field Summary

16 Maintain Tele-switch Contact Intervals

Use this form to maintain Tele-switch Contact Intervals. To maintain details of Time Pattern Regimes, use the Maintain Time Pattern Regimes form, described in section 18.

Figure 38: Enter Tele-switch Contact Intervals - Tele-switch Contact Interval Criteria

16.1 Create a Tele-switch Contact Interval

1. Enter a Tele-switch User Id and Tele-switch Group Id or select from the respective lists of values, and enter a Date. The date entered is the date for which contact intervals are required (the period from 00:00 on the date specified to 00:00 the following day). A Tele-switch Contact Code can also optionally be entered in the criteria or selected from a list of values.

2. Navigate to the Tele-switch Contact Intervals block.

3. For each Tele-switch Contact Interval, select a Contact Code from a poplist, enter a Start Time and Stop Time, and select a Contact State from a poplist. The times are entered as HH:MM:SS (24-hour clock).

If any contact intervals for a specified User, Group, Contact Code and Date overlap, an error message is displayed.

Start and end times must be contiguous and cover completely the period 00:00 to 00:00.

The end time of one period must be exactly the same as the start time of the next period for that contact code.

The first start time must be 00:00 and the last end time must be 00:00.

16.2 Amend a Tele-switch Contact Interval

1. Enter a Tele-switch User Id and Tele-switch Group Id or select from the respective lists of values, and enter a Date. A Tele-switch Contact Code can also optionally be entered in the criteria or selected from a list of values.

2. Navigate to the required Tele-switch Contact Interval.

3. Amend Tele-switch Contact code, start time, end time and state as required.

If any contact intervals for a specified User, Group, Contact Code and Date overlap, an error message is displayed.

Start and end times must be contiguous and cover completely the period 00:00 to 00:00.

The end time of one period must be exactly the same as the start time of the next period for that contact code.

The first start time must be 00:00 and the last end time must be 00:00.

16.3 Delete a Tele-switch Contact Interval

1. Enter a Tele-switch User Id and Tele-switch Group Id or select from the respective lists of values, and enter a Date. A Tele-switch Contact Code can also optionally be entered in the criteria or selected from a list of values.

2. Navigate to the required Tele-switch Contact Interval.

3. Delete the record.

16.4 Field Summary

Field	Details
User	Id of a Supplier of the Tele-switch Control Unit
Group	Id for one of the groups of tele-switches controlled by a Tele-switch User
Date	Date on which the Tele-switch Contact Interval falls.
Contact	Contact Code for the Tele-switch Contact Interval.
Start Time	Time at which the tele-switched metering system registers are switched to the value given in State (ON or OFF).
End Time	Time at which the tele-switched metering system registers are switched to the opposite value to that given in State (ON or OFF).
State	The state to which the tele-switched metering system registers are switched between the Start and End times (ON or OFF).

Table 34: Tele-switch Contact Intervals – Field Summary

17 Maintain GSP Groups for Market Participants

This set of forms can be used to maintain appointments for Market Participants to GSP Groups. There is a separate form for Data Collectors, Data Aggregators, Distributors and Suppliers.

17.1 Maintain Data Collector Appointments to GSP Groups

Figure 39: Specify GSP Groups For Data Collectors

17.1.1 Create a Data Collector Appointment

1. Select the required Data Collector from a list of values;

2. Insert a row and select the required GSP Group from a list of values. The GSP Group name is displayed automatically;

3. Enter the appointment Start Date and End Date.

17.1.2 Amend a Data Collector Appointment

1. Select the required Data Collector from a list of values;

2. Select the required appointment;

3. Amend the appointment end date.

17.1.3   Delete a Data Collector Appointment

1. Select the required Data Collector from a list of values;

2. Select the required appointment;

3. Delete the row.

17.1.4   Field Summary

Field	Details
Collector	Id and name of Data Collector that is appointed to the selected GSP Group on the Calendar Date entered
GSP Group	Id and name of a GSP Group to which the Data Collector was or will be appointed
From Date	Calendar Date from which the Data Collector is appointed to the corresponding GSP Group
To Date	Calendar Date from which the Data Collector ceases to be appointed to the corresponding GSP Group

Table 35: Specify GSP Groups For Data Collectors – Field Summary

17.2   Maintain Data Aggregator Appointments to Suppliers and GSP Groups
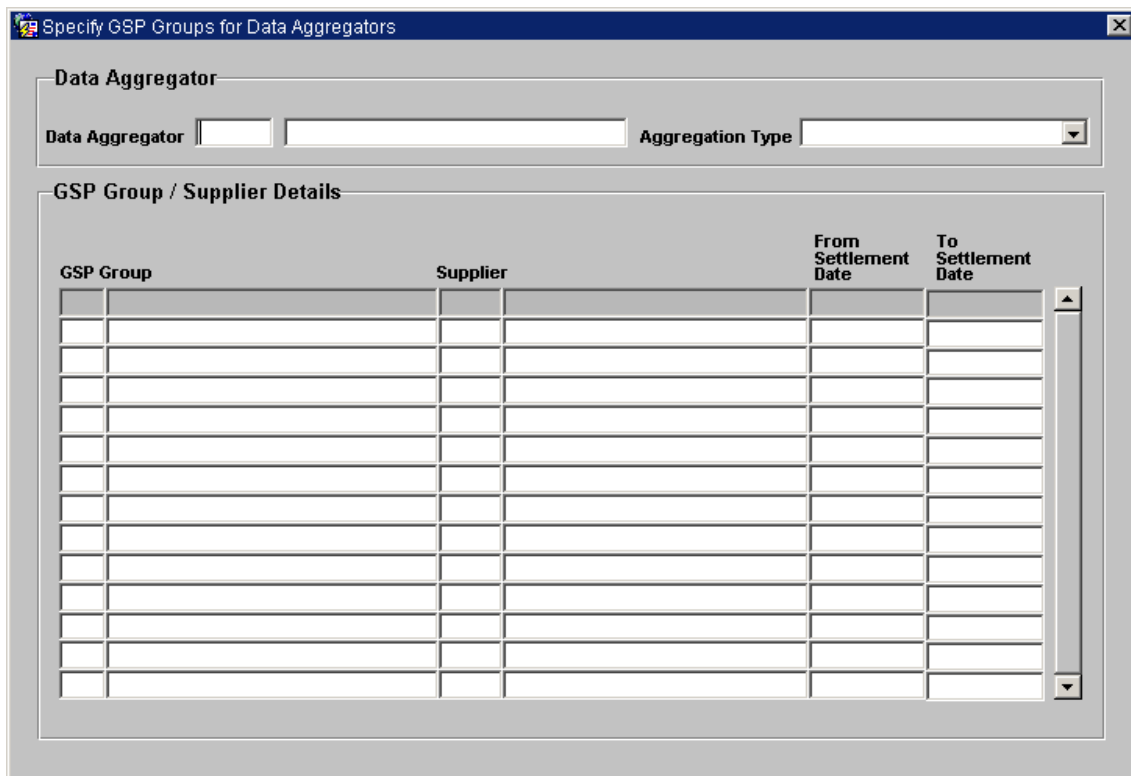
Figure 40: Specify GSP Groups For Data Aggregators

17.2.1   Create a Data Aggregator Appointment

1. Select the required Data Aggregator from a list of values;

2. Select the Aggregation Type from the drop-down list;

3. Insert a row and select the required GSP Group/Supplier combination from the list of values. The GSP Group name is displayed automatically along with Supplier and From Date;

4. You may edit the appointment From Date if required;

5. Enter the appointment End Date. The appointment date range must be within the date range for the Supplier's appointment to the GSP Group.

If the Start Date entered is earlier than the date on which a Final Initial Settlement Run has been performed, and you are not logged on as Standing Data Manager, an error is displayed. If you are logged on as Standing Data Manager, a Standing Data Audit Report is generated.

17.2.2   Amend a Data Aggregator Appointment

1. Select the required Data Aggregator from a list of values;

2. Select the required appointment;

3. Amend the appointment end date. The appointment date range must be within the date range for the Supplier's appointment to the GSP Group.

If the appointment is changed such that the combination of Data Aggregator/Supplier/GSP Group used in a Data Aggregation and associated with one or more SSR Runs, is no longer valid for the Settlement Date for which the Aggregation Run was performed, then a warning message is displayed. If you continue, the change is made to the Data Aggregator Appointment, but the record of the Data Aggregator/Supplier/GSP Group in Data Aggregation combination in the database is not changed; however, this data can no longer be used. Note, however, that if you again change the appointment so that the combination of Data Aggregator/Supplier/GSP Group used in a Data Aggregation and associated with one or more SSR Runs falls within the Data Aggregator Appointment date range, the record of the Data Aggregator/Supplier/GSP Group in Data Aggregation combination in the database can again be used.

If you are logged on as Standing Data Manager and are authorised to amend the appointment details, a Standing Data Audit Report is generated.

17.2.3   Delete a Data Aggregator Appointment

1. Select the required Data Aggregator from a list of values;

2. Select the required appointment;

3. Delete the row.

If the deletion of the appointment is such that the combination of Data Aggregator/Supplier/GSP Group used in a Data Aggregation and associated with one or more SSR Runs, is no longer valid for the Settlement Date for which the Aggregation Run was performed, then a warning message is displayed. If you continue, the Data Aggregator Appointment is deleted, but the record of the Data Aggregator/Supplier/GSP Group in Data Aggregation combination in the database is not changed; however, this data can no longer be used. Note, however, that if you then recreate the appointment so that the combination of Data Aggregator/Supplier/GSP Group used in a Data Aggregation and associated with one or more SSR Runs falls within the Data Aggregator Appointment date range,

the record of the Data Aggregator/Supplier/GSP Group in Data Aggregation combination in the database can again be used.

If the Start Date of the appointment is earlier than the date on which a Final Initial Settlement Run has been performed, and you are not logged on as Standing Data Manager, an error is displayed. If you are logged on as Standing Data Manager, a Standing Data Audit Report is generated.

17.2.4   Field Summary

Field	Details
Data Aggregator	Id and name of Data Aggregator that is appointed to the selected Supplier and GSP Group
Aggregation Type	Type of aggregation. One of Half Hourly or Non-Half Hourly
GSP Group	Id and name of a GSP Group to which the Data Aggregator was or will be appointed
Supplier	Id and name of the Supplier to which the Data Aggregator was or will be appointed
From Settlement Date	Settlement Date from which the Data Aggregator is appointed to the corresponding Supplier for the GSP Group
To Settlement Date	Settlement Date from which the Data Aggregator ceases to be appointed to the corresponding Supplier for the GSP Group

Table 36: Specify GSP Groups For Data Aggregators – Field Summary

17.3   Maintain Distributor Appointments to GSP Groups

Figure 41: Specify GSP Groups For Distributors

17.3.1   Create a Distributor Appointment

1. Select the required Distributor from a list of values;

2. Insert a row and select the required GSP Group from a list of values. The GSP Group name is displayed automatically;

3. Enter the appointment Start Date and End Date.

An error is displayed if this GSP group has any existing appointments which overlap this date range for this Distributor.

An error is displayed if an attempt is made to assign multiple distributors to a GSP group before the 'Multiple Distrib Start Date'[6].

If the Start Date entered is earlier than the date on which a Final Initial Settlement Run has been performed, and you are not logged on as Standing Data Manager, an error is displayed. If you are logged on as Standing Data Manager, a Standing Data Audit Report is generated.

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[6] Non-maintainable System Parameter set to 1st August 2003

17.3.2 Amend a Distributor Appointment

1. Select the required Distributor from a list of values;

2. Select the required appointment;

3. Amend the appointment end date.

An error is displayed if the change of the appointment end date results in the appointment date range overlapping any existing appointments to the GSP Group from this Distributor.

An error is displayed if the change of the appointment end date results in multiple distributor being assigned to a GSP group before the 'Multiple Distrib Start Date'.

If you are logged on as Standing Data Manager and are authorised to amend the appointment details, a Standing Data Audit Report is generated.

17.3.3 Delete a Distributor Appointment

1. Select the required Distributor from a list of values;

2. Select the required appointment;

3. Delete the row.

If the Start Date appointment is earlier than the date on which a Final Initial Settlement Run has been performed, and you are not logged on as Standing Data Manager, an error is displayed. If you are logged on as Standing Data Manager, a Standing Data Audit Report is generated.

17.3.4 Field Summary

Field	Details
Distributor	Id and name of Distributor
GSP Group	Id and name of a GSP Group to which the Distributor was or will be appointed
From Settlement Date	Settlement Date from which the Distributor is appointed to the corresponding GSP Group
To Settlement Date	Settlement Date after which the Distributor ceases to be appointed to the corresponding GSP Group

Table 37: Specify GSP Groups For Distributors – Field Summary

17.4   Maintain Supplier Appointments to GSP Groups

Figure 42: Specify GSP Groups For Suppliers

17.4.1   Create a Supplier Appointment

1. Select the required Supplier from a list of values;

2. Insert a row and select the required GSP Group from a list of values. The GSP Group name is displayed automatically;

3. Enter the appointment Start Date and End Date.

If the Start Date of the appointment is earlier than the date on which a Final Initial Settlement Run has been performed, and you are not logged on as Standing Data Manager, an error is displayed. If you are logged on as Standing Data Manager, a Standing Data Audit Report is generated.

17.4.2   Amend a Supplier Appointment

1. Select the required Supplier from a list of values;

2. Select the required appointment;

3. Amend the appointment end date. A message is displayed warning you that the end dates of affected Data Aggregator appointments to the Supplier

will also be modified, to ensure that the Data Aggregator appointments to the Supplier are within the Supplier's appointment to the GSP Group.

If the appointment is changed such that the combination of Data Aggregator/Supplier/GSP Group used in a Data Aggregation and associated with one or more SSR Runs, is no longer valid for the Settlement Date for which the Aggregation Run was performed, then a warning message is displayed. If you continue, the change is made to the Data Aggregator Appointment, but the record of the Data Aggregator/Supplier/GSP Group in Data Aggregation combination in the database is not changed. Note, however, that if you again change the appointment so that the combination of Data Aggregator/Supplier/GSP Group used in a Data Aggregation and associated with one or more SSR Runs falls within the Data Aggregator Appointment date range, the record of the Data Aggregator/Supplier/GSP Group in Data Aggregation combination in the database can again be used.

If you are logged on as Standing Data Manager and are authorised to amend the appointment details, a Standing Data Audit Report is generated.

17.4.3   Delete a Supplier Appointment

1. Select the required Supplier from a list of values;

2. Select the required appointment;

3. Delete the row. A message is displayed warning you that appointments of Data Aggregators to the Supplier that fall within the date range of the Supplier's appointment to the displayed GSP Group will also be deleted.

If the appointment is deleted such that the combination of Data Aggregator/Supplier/GSP Group used in a Data Aggregation and associated with one or more SSR Runs, is no longer valid for the Settlement Date for which the Aggregation Run was performed, then a warning message is displayed. If you continue, the Supplier Appointment is deleted, but the record of the Data Aggregator/Supplier/GSP Group in Data Aggregation combination in the database is not changed; however, this data can no longer be used. Note, however, that if you then recreate the appointment so that the combination of Data Aggregator/Supplier/GSP Group used in a Data Aggregation and associated with one or more SSR Runs falls within the Data Aggregator Appointment date range, the record of the Data Aggregator/Supplier/GSP Group in Data Aggregation combination in the database can again be used.

If the Start Date of the appointment is earlier than the date on which a Final Initial Settlement Run has been performed, and you are not logged on as Standing Data Manager, an error is displayed. If you are logged on as Standing Data Manager, a Standing Data Audit Report is generated.

17.4.4   Field Summary

Field	Details
Supplier	Id and name of Supplier
Pool Member	Pool Member Id of the Supplier
GSP Group	Id and name of a GSP Group to which the Supplier was or will be appointed
From Settlement Date	Settlement Date from which the Supplier is appointed to the

Field	Details
	corresponding GSP Group
To Settlement Date	Settlement Date from which the Supplier ceases to be appointed to the corresponding GSP Group

Table 38: Specify GSP Groups For Suppliers– Field Summary

18 Maintain Time Patterns

A Time Pattern Regime is a set of instructions which cause switched metering registers to turn ON and OFF at certain time intervals, reflecting a fixed pattern of consumption. Each Time Pattern Regime consists of:

- A unique Id;

- An indication of the switch type: tele-switch or time-switch (clock);

- An indication of whether the times specified in the record refer to GMT or local time (British Summer Time is 1 hour ahead of GMT);

- A sub-form allows users to specify the actual times and dates on which a particular switched metering register is turned ON and OFF. Note that this information will be entered into one of two sub forms, depending on the switch type employed in the meter (either tele-switch or time-switch).

A number of Time Pattern Regimes may be grouped together to produce a Standard Settlement Configuration (see section 20). For example, a Standard Settlement Configuration for a normal week may consist of three Time Pattern Regimes, to reflect the different consumption patterns on: weekdays, Saturdays and Sundays.

A Profile Class (which represents the consumption patterns of a group of customers) will have multiple Standard Settlement Configurations associated with it. Referring to the previous example, it may be necessary to modify the Standard Settlement Configuration above to reflect the variations in consumption in a week containing, say, a Bank Holiday Monday. A different Standard Settlement Configuration may be required for the Christmas period, when consumption will be significantly different.

Standard Settlement Configurations that are associated with a Profile Class will be allocated Start and End Dates. The objective is to ensure that contiguous 24 hour, 365 day a year metering is provided for each Profile Class. (That is to say, for each customer, an appropriate meter is always switched ON.)

To associate Standard Settlement Configurations with a Profile Class, refer to section 22.

The following form can be used to browse and maintain Time Pattern Regimes.
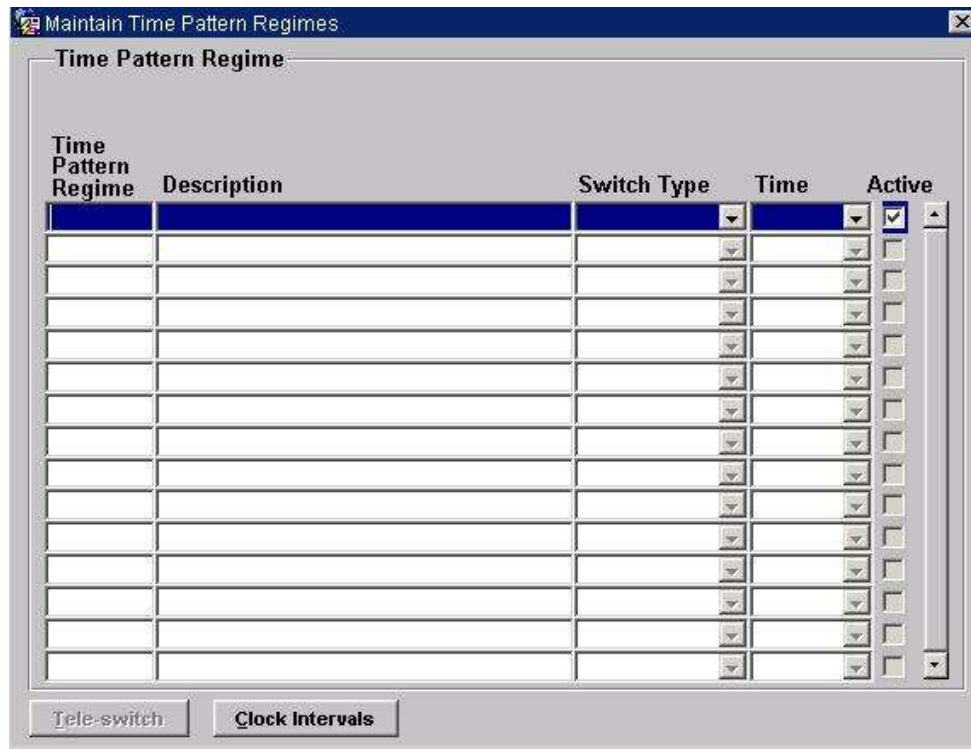
Figure 43: Maintain Time Pattern Regimes – Time Pattern Regime

18.1   Create a Time Pattern Regime

1. Enter a Time Pattern Regime Id and description;

2. Select a Switch Type from the drop-down list;

3. Select a Time indicator from the drop-down list;

4. If the Time Pattern Regime is time-controlled, click on the Clock Intervals button to add clock intervals. The Maintain Clock Intervals form, (shown below), is displayed;

5. If the Time Pattern Regime is tele-switch-controlled, click on the Tele-switch button to add tele-switch information. The Maintain Tele-switch TPR form, (shown below), is displayed.

18.2   Amend a Time Pattern Regime

1. Execute a query to select the required Time Pattern Regime.

2. If you attempt to change the Switch Type (between Tele-switch and time-controlled), the following validation is performed:

    - If switching data exists, and there are Measurement Requirements and Measurement Requirements within a Standard Settlement Configuration and Profile Class set with the Time Pattern Regime Id, then the Switch Type cannot be changed;

    - If no such Measurement Requirement records exist, and you change the Switch Type from Clock to Tele-switch, the clock intervals are deleted;

- If no such Measurement Requirement records exist, and you change the Switch Type from Tele-switch to Clock, the Tele-switch User, Group and Switch Id are set to null.

3. If you change either the Time Pattern Regime Description or Time Indicator, a warning is displayed if any Measurement Requirements exist for the Time Pattern Regime, but you can continue with the operation.

4. If appropriate, click on the Clock Intervals button to amend clock intervals. Note that this button is disabled if the Active check box for the Time Pattern Regime is unchecked.

5. If appropriate, click on the Tele-switch button to amend tele-switch data. Note that this button is disabled if the Active check box for the Time Pattern Regime is unchecked.

18.3   Delete a Time Pattern Regime

1. Select the required Time Pattern Regime and uncheck the Active check box.

2. A warning is displayed indicating that if you continue with this operation, either corresponding tele-switch information or clock intervals will be deleted.

Note that a Time Pattern Regime cannot be deleted if it is associated with any Measurement Requirements.

Field	Details
Time Pattern Regime	Time Pattern Regime Id
Description	Time Pattern Regime description
Switch Type	Indicates whether a Time Pattern Regime is controlled by a tele-switch or time-switch (clock)
Time	Indicates whether a Time Pattern Regime is for GMT or Local time
Active	Indicates whether or not the Time Pattern Regime record is currently active

Table 39: Maintain Time Pattern Regimes – Field Summary

18.4   Maintain Tele-switch Information for a Time Pattern Regime

On entry to the form, the Time Pattern Id and description entered on the previous form is displayed, together with the Switch Type and Time Indicator.

Figure 44: Maintain Tele-switch TPR – Time Pattern Regime

18.4.1 Assign a Tele-switch Contact Interval to a Time Pattern Regime

1. Enter the Tele-switch User Id and the Tele-switch Group Id.

2. Save the Tele-switch User and Group.

3. Enter a Rule Id, and select a Contact Code and Rule from poplists.

4. Enter further Tele-switch Contact Rules if required.

18.4.2 Amend Time Pattern Regime and Tele-switch Contact Interval Combinations

1. Amend the Tele-switch User Id and the Tele-switch Group Id as required.

2. Add, delete or amend Tele-switch Contact Rules as required.

18.4.3 Field Summary

Field	Details
TPR	Time Pattern Regime Id and description
Switch Type	Indicates whether a Time Pattern Regime is controlled by a tele-switch or time-switch (clock)
Time	Indicates whether a Time Pattern Regime is for GMT or Local time
User	Id of a Supplier of the Tele-switch Control Unit. The Central Tele-switch Control Unit (CTCU) is a computer system operated by EASL (sub-contracted to National Grid), which Suppliers use to specify the switching times for tele-switched metering systems.
Group	Id for one of the groups of tele-switches controlled by a Tele-switch User
Rule Id	Id for a Contact Rule of the Tele-switch Time Pattern Regime
Contact	Contact Code for the Tele-switch Contact Interval

Field	Details
Rule	Contact Rule for the Tele-switch Contact Interval

Table 40: Maintain Tele-switch TPR – Field Summary

18.5   Maintain Clock Intervals for a Time Pattern Regime

Figure 45: Maintain Clock Intervals for a TPR – Time Pattern Regime

18.5.1   Add Clock Intervals

- For each clock interval required for the combination of Time Pattern Regime, Switch Type and Time indicator, enter a Start Day, Start Month, End Day, End Month, Day of the Week and Start and End Times.

18.5.2   Delete Clock Intervals

- Select the required clock interval and delete the row.

18.5.3   Field Summary

Field	Details
TPR	Time Pattern Regime Id and description
Switch Type	Indicates whether a Time Pattern Regime is controlled by a tele-switch or time-switch (clock)
Time	Indicates whether a Time Pattern Regime is for GMT or Local time
Start Day	Start day of a clock interval
Start Month	Start month of a clock interval
End Day	End day of a clock interval
End Month	End month of a clock interval

Field	Details
Day of the Week	Day of the week (Sunday=1, Monday=2…)
Start Time	Time at which time-switched metering system registers associated with the Time Pattern Regime are instructed to switch on for the corresponding clock interval
End Time	Time at which time-switched metering system registers associated with the Time Pattern Regime are instructed to switch off for the corresponding clock interval

Table 41: Maintain Clock Intervals for a TPR – Field Summary

19 Maintain Average Fractions of Yearly Consumption

Use the following form to maintain details of Average Fractions of Yearly Consumption.

Figure 46: Maintain Average Fractions of Yearly Consumption – Criteria

1. Select a Profile Class by executing a query or selecting from a list of values. The Description of the selected Profile Class is populated automatically. The Standard Settlement Configurations available are determined by the Profile Class selected;

2. Select a Standard Settlement Configuration by executing a query or selecting from a list of values. For the selected combination of GSP Group, Profile Class and Standard Settlement Configuration, Average Fractions of Yearly Consumption are displayed;

3. Select a GSP Group by executing a query on GSP Group Id or GSP Group Name, or by selecting from a list of values;

4. On moving to the 'Average Fraction of Yearly Consumption' block a query is automatically performed.

19.1 Create Average Fractions of Yearly Consumption

On entry to the Average Fractions of Yearly Consumption table, if Average Fractions of Yearly Consumption already exist for the Profile Class and Standard Settlement Configuration entered, they are displayed in the Average Fractions of Yearly Consumption table. Click on the Get TPR Set button to retrieve Time Pattern Regimes for the Profile Class and Standard Settlement Configuration; the following form is displayed. If no Average Fractions of Yearly Consumption already exist, the form is displayed automatically:
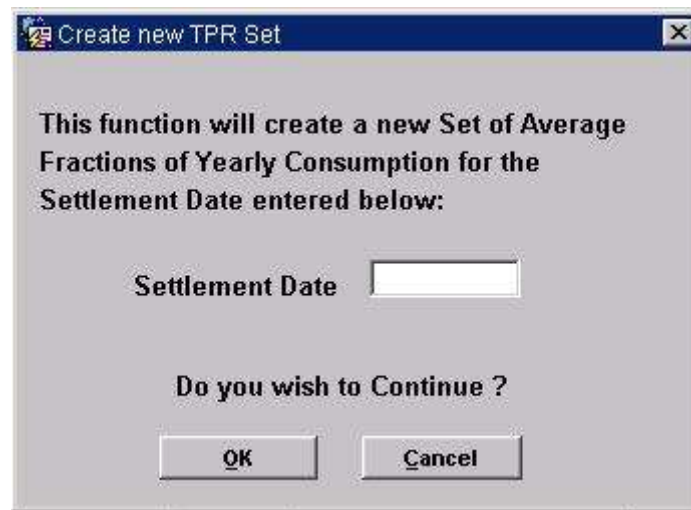
Figure 47: Create new TPR Set

This form enables you to retrieve details of the Time Pattern Regimes that are applicable to the Profile Class and Standard Settlement Configuration entered. Note that the set of Average Fractions of Yearly Consumption for the previous Settlement Date is not closed off automatically, so the user has to first manually close off any existing Average Fraction of Yearly Consumption appointments which would overlap the new set.

1. Enter the Settlement Date for which you want to create Average Fractions of Yearly Consumption. Click on OK to retrieve the Time Pattern Regimes or Cancel to return to the form without retrieving the Time Pattern Regimes.

2. If you click on OK, Time Patterns applicable to the Profile Class and Standard Settlement Configuration are displayed. The Average Fraction of Yearly Consumption for each Time Pattern defaults to 0. Note that any existing Average Fractions of Yearly Consumption Set for a previous Settlement Date is not closed off automatically. Therefore if the existing set would overlap the new set, it must be manually closed off by the User by entering an Effective To Date before the new set can be entered. If the new AFYC appointment leaves a Settlement Date range without an AFYC set for a given combination of GSP Group, Profile Class and Standard Settlement Configuration, then a warning is reported to the user. If the new AFYC appointment overlaps an existing appointment then an error is reported and the appointment is not entered onto the database.

3. Modify the Average Fractions for the Settlement Date – this set must sum to 1, before the set can be saved to the database.

19.2   Amend Average Fractions of Yearly Consumption

1. Amend the Average Fractions of Yearly Consumption value as required. The value of the Average Fraction of Yearly Consumption must be between 0 and 1.

2. The Effective To Settlement Date of a AFYC set may be amended. If the new AFYC appointment leaves a Settlement Date range without an AFYC set for a given combination of GSP Group, Profile Class and Standard

Settlement Configuration then a warning is reported to the user. If the new AFYC appointment overlaps an existing appointment then an error is reported and the appointment is not entered onto the database. The Effective To Settlement Date must be later than the Effective From Settlement Date.

The sum of Average Fractions of Yearly Consumption for the same combination of GSP Group, Profile Class, Standard Settlement Configuration and Settlement Date must equal one. Therefore, all changes to Average Fractions of Yearly Consumption for a particular combination must be performed before attempting to save the changes to the database.

If the Effective From Settlement Date for an Average Fraction of Yearly Consumption is earlier than the date on which a Final Initial Settlement run has been performed, and you are not logged as Standing Data Manager, an error is displayed. If you are logged on as Standing Data Manager, a Standing Data Audit Report is generated.

19.3   Delete Average Fractions of Yearly Consumption

1. Select the required Average Fraction of Yearly Consumption;

2. Click on the delete button.

Note that all Average Fractions of Yearly Consumption in that set (with the same Profile Class, Standard Settlement Configuration and Settlement Date) are deleted.

If the deletion of the set leaves a Non Half Hourly BM Unit Allocation for the corresponding Profile Class and Standard Settlement Configuration without AFYC coverage for all the days on which the Allocation is effective, a warning message is issued. The user can reject the deletion at this point.

If the Effective From Settlement Date for the Average Fraction of Yearly Consumption is earlier than the date on which a Final Initial Settlement run has been performed, and you are not logged as Standing Data Manager, an error is displayed. If you are logged on as Standing Data Manager, a Standing Data Audit Report is generated.

19.4 Field Summary

Field	Details
Profile Class	Id and description of the Profile Class
SSC	Id and description of the Standard Settlement Configuration
GSP Group	The unique id of a GSP Group and its description
From Settlement Date	The Settlement Date from which the corresponding Average Fraction of Yearly Consumption is applicable
To Settlement Date	The Settlement Date to which the corresponding Average Fraction of Yearly Consumption is applicable.
Time Pattern Regime	The Time Pattern Regime for the displayed GSP Group, Profile Class, Standard Settlement Configuration and Settlement Date Effective
Fraction of Yearly Consumption	The Average Fraction of Yearly Consumption for the combination of GSP Group, Profile Class, Standard Settlement Configuration, Settlement Date and Time Pattern Regime

Table 42: Maintain Average Fractions of Yearly Consumption– Field Summary

20   Maintain Standard Settlement Configurations

These forms allow you to maintain Standard Settlement Configurations and their relationships with Time Pattern Regimes.

A number of Time Pattern Regimes may be grouped together to produce a Standard Settlement Configuration (see section 18). For example, a Standard Settlement Configuration for a normal week may consist of three Time Pattern Regimes, to reflect the different consumption patterns on: weekdays, Saturdays and Sundays.

A Profile Class (which represents the consumption patterns of a group of customers) will have multiple Standard Settlement Configurations associated with it. (See section 21.)

Standard Settlement Configurations which are associated with a profile class will be allocated Start and End Dates. The objective is to ensure that contiguous 24 hour, 365 day a year metering is provided for each profile group. (That is to say, for each customer, an appropriate meter is always switched ON.)

To associate a Standard Settlement Configurations with a profile class, refer to section 22.

Figure 48: Maintain Standard Settlement Configurations – Standard Settlement Configuration
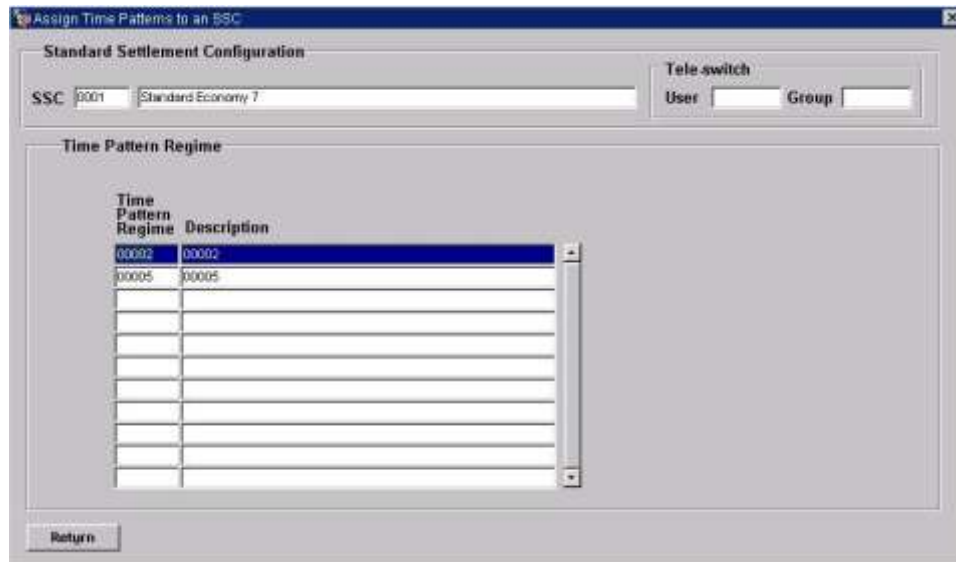
Figure 49: Assign Time Pattern to an SSC – Standard Settlement Configuration

20.1   Add a Standard Settlement Configuration

1. Enter the Standard Settlement Configuration Id and description;

2. For Tele-switched Standard Settlement Configurations, enter the Tele-switch User Id and Tele-switch Group Id or select from the respective lists of values. For clock-switched Standard Settlement Configurations, neither Tele-switch User Id nor Tele-switch Group Id should be entered;

3. For assigning the Standard Settlement Configuration as Import no modification is necessary since default value is 'I'. To modify the SSC as Export enter 'E' in Import / Export column or select from the list of valid values;

4. Save the Standard Settlement Configuration;

5. To assign Time Pattern Regimes to the Standard Settlement Configuration, click on the Time Patterns button;

6. Enter the required Time Pattern Regime Ids or select from a list of values. For Tele-switched Standard Settlement Configurations, only Tele-switched Time Pattern Regimes with the same Tele-switch User Id and Tele-switch Group Id can be selected.

20.2   Deactivate a Standard Settlement Configuration

1. Execute a query to retrieve the Standard Settlement Configuration;

2. Uncheck the Active check box.

Note that a Standard Settlement Configuration cannot be deleted if it has been linked with a Profile Class, or if any Time Pattern Regimes have been assigned to it.

20.3   Dissociate Time Pattern Regimes from an SSC

1. Execute a query to retrieve the Standard Settlement Configuration;

2. Click on the Time Patterns button;

3. Delete the Time Pattern Regimes that you no longer want assigned to the Standard Settlement Configuration.

20.4   Field Summary

Field	Details
Maintain Standard Settlement Configurations	
SSC	Standard Settlement Configuration Id
Description	Standard Settlement Configuration description
Tele-switch User	Id of a Supplier of the Tele-switch Control Unit
Tele-switch Group	Id for one of the groups of tele-switches controlled by a Tele-switch User
Import/Export	Id for non-half hourly metering configuration to determine import or export status supported by the settlement process
Active	Indicates whether or not the Standard Settlement Configuration is active within the system
Assign Time Patterns to an SSC	
SSC	Standard Settlement Configuration Id and description
Time Pattern Regime	Time Pattern Regime Id
Description	Time Pattern Regime description

Table 43: Maintain Standard Settlement Configurations – Field Summary

21   Maintain Profile Classes

The following forms can be used to maintain Profile Classes, such as domestic unrestricted and domestic economy 7, and their associated Profiles. Refer to section 27 for explanation of Profile Classes.

Note that Profiles can only be browsed and maintained for active Profile Classes.
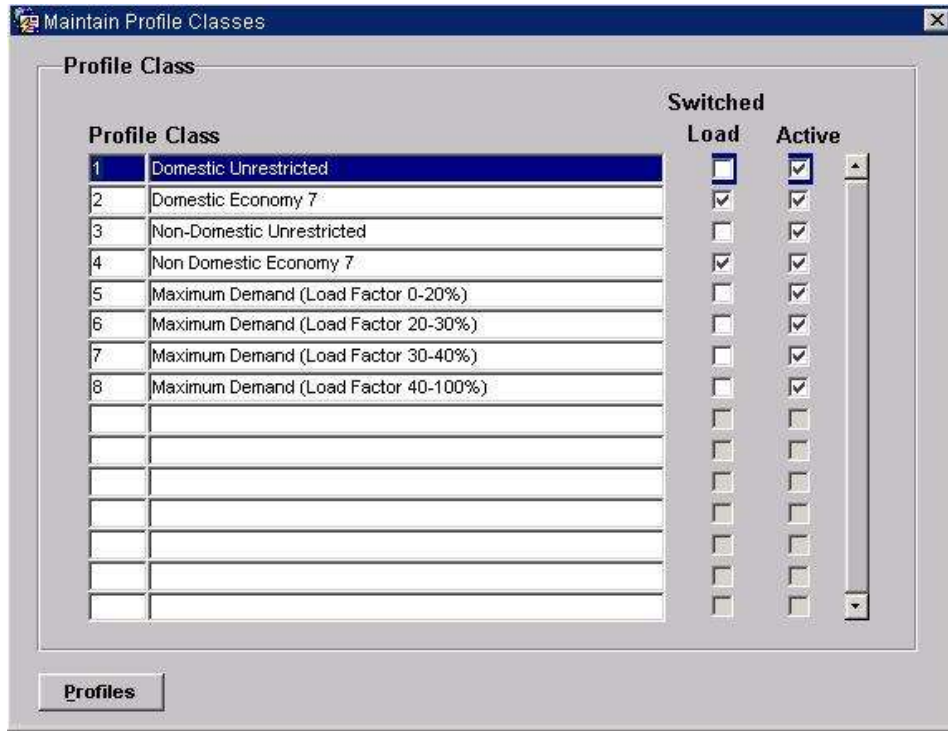
Figure 50: Maintain Profile Classes – Profile Class
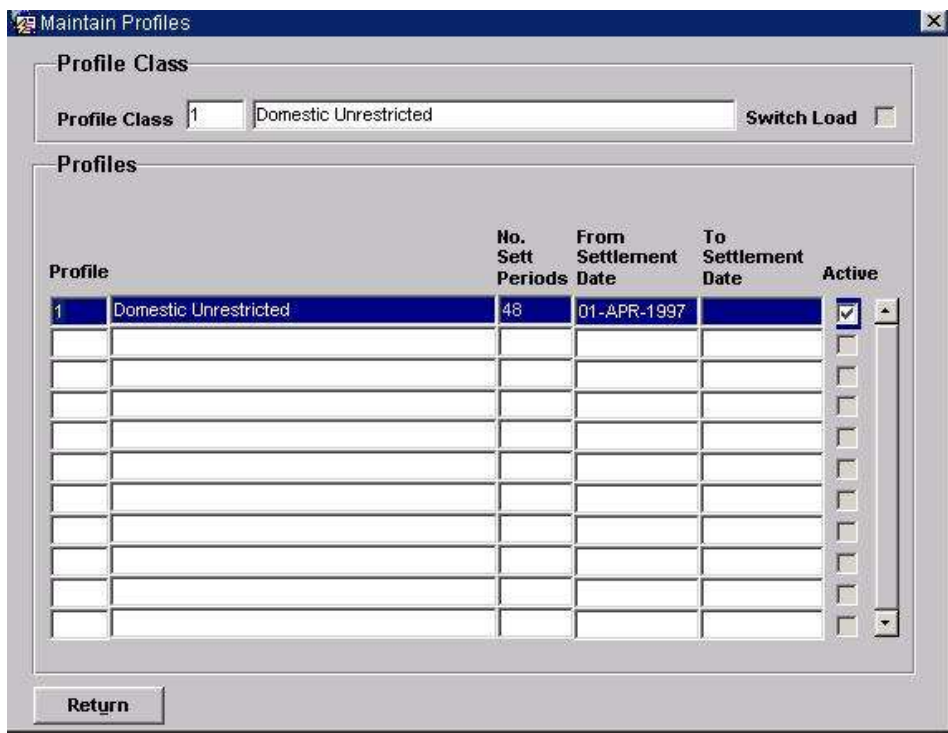
Figure 51: Maintain Profiles

21.1   **Create a Profile Class and Profiles**

1. Enter a Profile Class Id and description;

2. If the Profile Class is for a switched load (by tele-switch or time), check the Switched Load check box. The Active check box defaults to checked;

3. Save the Profile Class details;

4. Click on the Profiles button to add Profiles to the Profile Class. The Profile Class details are displayed at the top of the Profiles form;

5. For each Profile, enter the Profile Id (each one must be unique for the Profile Class), Profile description, number of Settlement Periods within the Profile, Settlement Date from which the Profile is effective, Settlement Date after which the Profile ceases to be effective. If a new profile is entered for a non-switched load profile class, for which there is an open ended profile already in place (and the Effective From Settlement Date of the new profile is later than the Effective From Settlement Date of the old profile), then the old profile's To Settlement Date is defaulted to the day before the From Settlement Date of the new profile. The To Settlement Date must be later than the latest SSR run.

If the Profile Class is for a switched load:

- One Profile must have 48 Settlement Periods – the From Settlement Date and To Settlement Date for this Profile must be contiguous;

- Only one Profile can have 48 Settlement Periods;

- Other Profiles can have a number of Settlement Periods between 1 and 47 inclusive.

If the Profile Class is not for a switched load:

- All Profiles must have 48 Settlement Periods;

- Only one Profile can be active at any one time.

21.2   **Amend a Profile Class and Profiles**

1. Select a Profile Class from the Maintain Profile Classes form;

2. Update the Profile Class description and Switched Load indicator as required. Note that the Switched Load indicator cannot be modified if Profiles have already been assigned to the Profile Class; an error message indicating that the field is protected against update is displayed;

3. To amend Profiles, click on the Profiles button;

4. Update the Profile description, number of Settlement Periods and To Settlement Date as required.

If the From Settlement Date is earlier than the date on which a Final Initial Settlement has been performed, and you are not logged on as Standing Data Manager, an error is displayed. If you are logged on as Standing Data Manager, a Standing Data Audit Report is generated.

21.3 **Delete a Profile Class**

Note that Profile Classes are deactivated rather than deleted.

1. Select a Profile Class from the Maintain Profile Classes form;

2. Uncheck the corresponding Active check box.

The Profile Class cannot be deactivated if Standard Settlement Configurations have been assigned to it.

If the From Settlement Date is earlier than the date on which a Final Initial Settlement has been performed, and you are not logged on as Standing Data Manager, an error is displayed. If you are logged on as Standing Data Manager, a Standing Data Audit Report is generated.

If a Profile Class is deactivated, all Profiles that belong to it are also deactivated and the following associated items are deleted:

- Profile Sets (sets of Profile Data provided by the Profile Administrator);

- Regression Equation data;

- GSP Group Average EACs.

21.4 **Delete a Profile**

1. Select a Profile Class from the Maintain Profile Classes form;

2. Click on the Profiles button;

3. Select the required Profile;

4. Uncheck the corresponding Active check box.

21.5 **Field Summary**

Field	Details
Maintain Profile Classes	
Profile Class	Profile Class Id and description
Switched Load	Indicates whether or not the Profile Class can be used for Metering Systems with switched load
Active	Indicates whether or not the Profile Class is active within the system
Maintain Profiles	
Profile	Profile Id and description
No. Sett Periods	Number of Settlement Periods that the Profile covers
From Settlement Date	Settlement Date from which the Profile is effective
To Settlement Date	Settlement Date after which the Profile ceases to be effective
Active	Indicates whether or not the Profile is active within the system

Table 44: Maintain Profile Classes – Field Summary

22   Maintain Profile Classes and Configuration Combinations

The following forms enable you to maintain Profile Class and Standard Settlement Configuration and Time Pattern Regime combinations.

Refer to section 21 for information on maintaining Profile Classes. Refer to section 20 for further information on maintaining Standard Settlement Configurations.

Figure 52: Specify Profile Class and Configuration Combinations – Profile Class

Figure 53: Specify Profile Class and Configuration Combinations – Context

22.1   Assign SSCs to a Profile Class

1. Select the required Profile Class;

2. Insert a row in the Standard Settlement Configurations table and enter the Standard Settlement Configuration Id or select from a list of values. The description is populated automatically;

3. Enter the inclusive Settlement Date range for which the Standard Settlement Configuration and Profile Class combination is effective;

4. Save the changes;

5. Navigate to the Standard Settlement Configuration for which you want to view the Time Pattern Regimes and click on the Time Patterns button. The Time Pattern Regimes displayed are those that have been linked to the Standard Settlement Configuration via the Maintain Standard Settlement Configuration forms (see section 20);

6. For each Time Pattern Regime, you can specify whether or not it is switched load.

   If the Profile Class is switched load, then at least one of the Time Pattern Regimes must be flagged as switched load. If the Profile Class is not switched load, then none of the Time Pattern Regimes can be switched load.

If the From Date of the Profile Class/Standard Settlement Configuration combination is earlier than the date for which a Final Initial Settlement has been run, and you are not logged on as Standing Data Manager, an error is displayed. If

you are logged on as Standing Data Manager, a Standing Data Audit Report is generated.

22.2 Amend Profile Class and SSCs Combinations

1. Select the required Profile Class;

2. Amend the following as required:

- Delete Standard Settlement Configuration rows that are no longer to be associated with the selected Profile Class (this will cascade delete child Non Half Hourly BM Unit Allocation records);

- Ddd Standard Settlement Configuration rows to link Standard Settlement Configurations to the Profile Class;

- Amend the To Date of the Standard Settlement Configuration/Profile Class combination;

- Flag or unflag Time Pattern Regimes as switched load.

If the From Date of the Profile Class/Standard Settlement Configuration combination is earlier than the date for which a Final Initial Settlement has been run, and you are not logged on as Standing Data Manager, an error is displayed. If you are logged on as Standing Data Manager, a Standing Data Audit Report is generated.

22.3 Field Summary

Field	Details
Profile Class	Profile Class Id and description
Switched Load	Indicates whether or not the Profile Class is used for Metering Systems with switched load
SSC	Standard Settlement Configuration Id
Description	Standard Settlement Configuration description
From Settlement Date	Settlement Date from which the Profile Class/Standard Settlement Configuration combination is effective
To Settlement Date	Settlement Date after which the Profile Class/Standard Settlement Configuration combination ceases to be effective
Profile Class	Profile Class Id and description
Switched Load	Indicates whether or not the Profile Class is used for Metering Systems with switched load
SSC	Standard Settlement Configuration Id and description
TPR	Time Pattern Regime Id
Description	Time Pattern Regime description
Switched Load	Check this if the corresponding Time Pattern Regime is switched load

Table 45: Maintain Profile Classes and Configuration Combinations – Field Summary

23   Maintain System Parameters

The System Parameters shown in the table below can be modified using the form following the table.

Description	Default Value	Format/Units
BUSTEV Report Participant Id The participant id of the organisation to whom the BM Unit Supplier Take Energy Volume Reports are sent	UKDC	4 alpha numeric chars
BUSTEV Role Code The role code of the organisation to which BM Unit Supplier Take Energy Volume Reports are sent	F	1 alpha numeric char
CDCA Participant Id Defines the Central Data Collection Agent Participant for the system	UKDC	4 alpha numeric chars
CFR File Receipt timeout (secs) Retry delay between attempts to receive an incoming file	3600	numeric/seconds
CFS Timeout Retry delay between attempts to send a file	10	numeric/seconds
Closedown Timeout Delay between requesting scheduler closedown and exit	20	numeric/seconds
Data Retention Period The number of months that data must be retained on the system before it can be archived. This parameter should not be set to less than 24 months. This value should be numeric. There is no maximum value.	24	numeric/months
File send Alert timeout (secs) Time after which the File Send daemon wakes up if no new file sends are requested, and hence rechecks for files needing resending	10	numeric/seconds
GSP daily purchases tolerance The tolerance value for GSP Group daily purchase validation during loading of GSP Group Take and Settlement Price data	10	money value, e.g. 1.50
GSP period purchases tolerance The tolerance value for GSP Group period purchase validation during loading of GSP Group Take and Settlement Price data	1	money value, e.g. 1.50
Log Directory The directory in which the Scheduler Logs are generated	/csc_log	path relative to the bin directory of the runtime installation tree
Number of sends The number of times the File Send process attempts to send a file	3	numeric
No. Suppliers batched to DUoS The number of Suppliers sent simultaneously to one DuoS report batch process	20	numeric
Pipe timeout (secs)	5	numeric/seconds

Description	Default Value	Format/Units
Time after which if there is no response from the logger the application assumes that the logger daemon is dead		
Poll frequency (secs) The number of seconds between polling of the incoming file directory by the File Receipt process	10	integer/seconds
Scheduler Alert timeout (secs) Time between successive polls for scheduled activities	5	integer/seconds
TUOS Participant Id The participant id of the organisation operating the Transmission Use of System system, to which TUoS reports are sent	TUOS	4 alpha numeric chars
TUOS Role Code The role code of the organisation operating the Transmission Use of System system, to which TUoS reports are sent	Z	1 alpha numeric char
Warning File Size (bytes) When the size of a report exceeds this value a warning message requesting confirmation before it will be displayed.	2000	numeric/bytes

Table 46: System Parameters
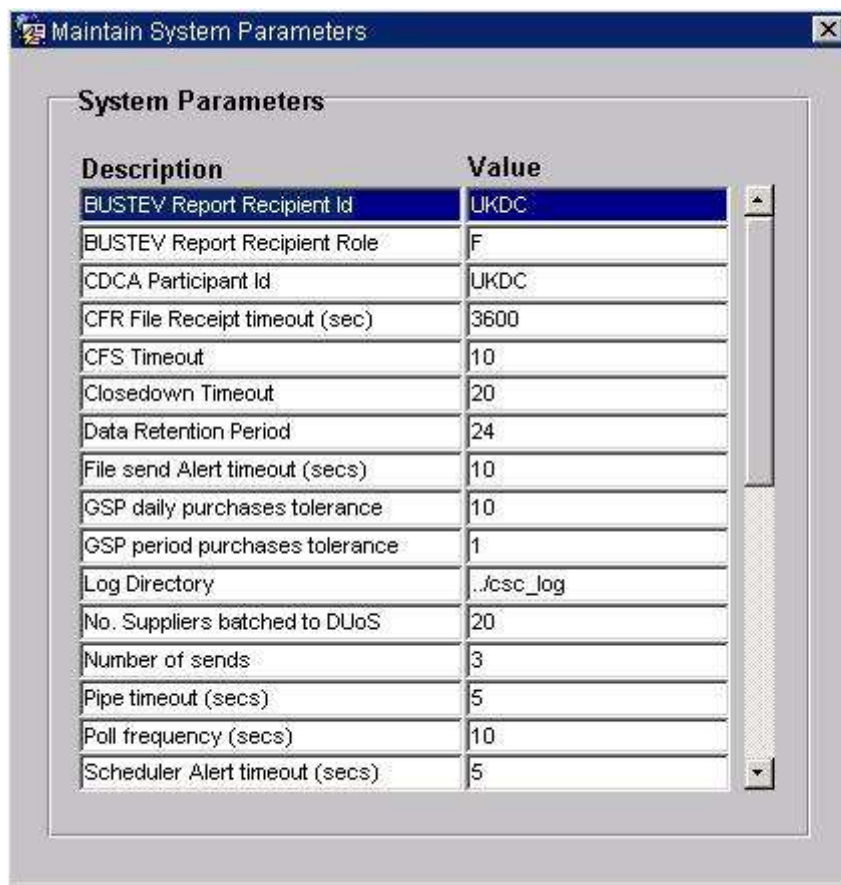
Figure 54: Maintain System Parameters – System Parameters

23.1   Field Summary

Field	Details
Description	The description that uniquely identifies the System Parameter. This cannot be modified.
Value	The value of the System Parameter.

Table 47: System Parameters – Field Summary

24   Maintain Reference Values

Two tables in the ISRA database are used to hold sets of data for which there are pre-defined sets of values:

- cdb_ref_domains holds a record for each domain;
- cdb_ref_values holds a record for each value.

Some domains can be modified via this form, while others can only be browsed. This is indicated by the User Amendable check box. Note that the Domain Description can be modified for all domains.

The domains that can be maintained via this form are as follows. Each of these is defined as a range of values (with a low and a high value), and is used for validation of numeric database fields. The precision of these numeric range values should not be altered to exceed the precision of the underlying database fields; if the precision of a numeric range is set to exceed the precision of the underlying database fields, which correspond to the precision of data loaded from data files, the following message will be included in the data load exception report: 'ORA-01438: value larger than specified precision allows for this column'.

Domain Code	Domain	Description
AFYC	AFYC	Average Fractions of Yearly Consumption
AGSC	Aggregated Supplier Consump	The sum of the Supplier Consumption for a GSP Group before GSP Group Correction is applied
AGSL	Aggregated Supplier LL	Total line and transformer loss incurred transferring energy between the GSPs and customers for a Supplier within a GSP Group
BOOL	Boolean Value	True or False
BPPC	Basic Period Profile Coefficient	Coefficient which when applied to an EAC or AA, supplies an estimate of consumption for a specific Settlement Period
CDCS	CDCS Extract Number	The CDCS extract number used as the basis of the Settlement Run
CPPC	Period profile class coef	Profile coefficient calculated by ISRA for a particular Measurement Requirement
DARN	Data Aggregation Run Number	Number corresponding to a Data Aggregation Run
DAYN	Day Number	Number corresponding to a day, i.e. 1 to 31
DEMC	SPM Default EAC MSID Count	Number of unmetered Metering Systems contributing to the EAC value held in the cell for which default values were used
DGGP	Daily GSP Group Purchases	Daily GSP Group Total Purchases relating to an SSA Run
DPPA	Daily Profile Parameter	Actual Noon Temperature – the arithmetic average of noon temperature as measured at representative weather stations within a GSP Group Area
DUMC	SPM Def Unmetered MSID Count	Number of unmetered Metering Systems contributing to the total consumption value held in a cell of the Supplier Purchase Matrix for which default values were used

Domain Code	Domain	Description
GAAC	GSP Group Av Annual Consump	Estimated average annual consumption for metering systems in a Profile Class for a GSP Group
GCSF	GSP Group Correction Scaling Factor	Factor by which deemed take for each Supplier must be corrected in order to achieve an equitable apportionment of unallocated energy
GGCC	GSP Group correction factor	Factored weighting applied to selected Consumption Component Classes to ensure that GSP Group Deemed Take is the same as Group Take measured at GSP level
GGTA	GSP Group Take	Energy consumption for the GSP Group measured at the Grid Point level by meter
HHMC	Half Hourly MSID Count	Number of Half Hourly Metering Systems
LFCI	Line Loss Factor Class Id	Numeric identifier of a Line Loss Factor Class
LLFC	Line Loss Factor	Factor applied to a customer's consumption to convert it to its estimated original consumption at the GSP level, i.e. before losses
MONN	Month Number	The number corresponding to a month, e.g. January=1, February=2…
PFCI	Profile Class Id	Numeric identifier of a Profile Class
PFID	Profile Id	Numeric identifier of a Profile
PGGP	Period GSP Group Purchases	(GSP Group Take)*(Pool Selling Price)*(1+Transmission Loss Multiplier)*(1+Loss Reconciliation Multiplier)
PLSP	Pool Selling Price	The price Suppliers pay (£/MWh) for energy consumed by their customers during a Settlement Period
PSPD	Profile Settlement Period	The number of Settlement Periods covered by a Profile
REGC	Regression Coefficient	Coefficient or variable specifying how consumption for a Profile varies, and is substituted into a Regression Equation
SPID	Settlement Period Id	The identifier, unique for a particular day, for a half hour trading period
SSAR	SSA Settlement Run Number	The unique number generated for an SSA Settlement run within a Settlement Day
TAAD	SPM Total Annualised Advance	Total AA value held in a cell of the Supplier Purchase Matrix
TAMC	SPM Total AA MSID Count	Number of Metering Systems contributing to the AA value held in the Supplier Purchase Matrix cell
TEAC	SPM Total EAC	Total EAC value held in a cell of the Supplier Purchase Matrix
TEMC	SPM Total EAC MSID Count	Number of Metering Systems contributing to the EAC value held in the Supplier Purchase Matrix cell
TPNS	Total period NPG spill	The sum of all Unadjusted Supplier Deemed Takes that have a negative value for one or more Suppliers
TSGI	Tele-switch Group Id	Id fir one of the groups of tele-switches

Domain Code	Domain	Description
		controlled by a Tele-switch user
TSUI	Tele-switch User Id	Id of a Supplier of the Tele-switch Control Unit
TUMC	SPM Total Unmetered MSID Count	Number of unmetered Metering Systems contributing to the total consumption value held in the Supplier Purchase Matrix cell
TUNC	SPM Total Unmetered Consump	Total unmetered consumption value held in a cell of the Supplier Purchase Matrix
TXLM	Transmission loss multiplier	Multiplication factor that converts MWh into energy actually supplied by the generating companies
TXRM	Transmission loss recon mult	For a Settlement Period in a Transmission Service, the scaling factor used in the determination of Transmission Services Reconciliation Demand

Table 48: Maintain Reference Values – Domains

The following domains can only be browsed:

Domain Code	Domain Description	Domain Code	Domain Description
AAEA	AA / EAC Indicator	MKDA	Data Aggregator Role Codes
ACES	Actual/Estimated Indicator	MONT	Month Indicator
ACTD	Activity Description	MTUN	Metered/Unmetered Indicator
AGTY	Aggregation Type	PFST	Profile Production Run Status
ASDC	Automatic Standing Data Change Reason Codes	RCOT	Regression Coefficient Type
AUDW	Standing Data Audit Warnings	REPT	ISRA Reports
CDAR	Current Day Audit Report	RTCO	Run Type Code
COCO	Consumption Component Ind	RUST	SSR Run Status
DAYT	Day Type	SEAS	Season
DAYW	Day of the Week ID	SSCT	Standard Settlement Configuration Type
FITY	File Types	TPRT	Time Pattern Regime Type
FSTS	File Status Type	TSWC	Tele-switch contact
GMTT	GMT/Local Time Indicator	TSCS	Tele-switch Contact Rule state
MAPR	Market Role	TTLA	Database Table three letter abbreviations
MEQU	Measurement Quantity Indicator	TWIT	Tele-switch Switch Id Type

Table 49: Domains

Figure 55: Reference Values – Domains

24.1 Amend a Domain

1. Enter the Domain Code and execute a query. The associated reference values are displayed;

2. Modify the Domain Description as required. Note that the Domain Code cannot be changed.

24.2 Maintain Domain Values

1. Enter the Domain Code and execute a query. The associated reference values are displayed;

2. Add, update or delete a row as required. Note that when adding a reference value, the High Value field can be left blank if the reference value is not a range.

24.3 Field Summary

Field	Details
Domain	Name of the domain (identified in table cdb_ref_domains)
User Amendable	Whether or not the domain reference values can be amended
Low Value	A minimum value for the reference value
High Value	A maximum value for the reference value
Description	Description of the reference value
From Settlement Date	Settlement Date from which the reference value is effective
To Settlement Date	Settlement Date after which the reference value ceases to be effective

Table 50: Reference Values – Field Summary

25   Run SSR

The Standard Settlements and Reconciliation (SSR) Run within ISRA calculates the Supplier's deemed take and the value of the take for one or more Grid Supply Points (GSP) Groups for a settlement day. The Settlement and Reconciliation Runs are as follows:

- Initial Settlement;

- First Reconciliation;

- Second Reconciliation;

- Third Reconciliation;

- Final Reconciliation;

- Dispute;

- Final Dispute.

The SSR Run take calculations are based on data received from the Data Aggregators, and are subject to a number of different stages which are only concluded when the Final Settlement Run has been successfully processed. This could be up to two years after the take was actually traded.

When you set up an SSR Run, the data files available to the run are validated to ensure that they are all present and that they are for the correct combination of the selected Settlement Date, SSA run no. and GSP Group. Once the validation checks have completed successfully, or missing files have been substituted, the run processes the data in the following sequence:

a. Non-Half Hourly Data

b. Aggregated Half Hourly Data

c. GSP based calculations for GSP correction, Supplier Purchases and Spillage Adjustments

Two forms enable you to set up an SSR Run.

A number of reports are generated from the SSR Run:

- TUoS Report

- BM Unit Supplier Take Energy Volume Report (only produced for Settlement Dates on or after the NETA Start Date)

- BM Unit SVA Gross Demand Report (only produced for Settlement Dates on or after the NETA Start Date)

- DUoS Report

- Half Hourly Demand Report

- Deemed Take Report

- Supplier BM Unit Report (only produced for Settlement Dates on or after the NETA Start Date)

- Supplier Purchase Report

- Supplier Settlement Header Report

- Supplier Purchase Matrix Report

- GSP Group Consumption Totals Report

25.1 SSR Run Identification & GSP Group Selection

From the following form you can select the required SSR Run and the GSP Groups that are to be associated with it. For each Settlement Date for which there are outstanding Settlement or Reconciliation runs, you can select the oldest run.

Figure 56: Run SSR – Settlement Run

1. Enter the Settlement Date for which you want to set up a Settlement or Reconciliation run, and execute a query. Details of the oldest (in terms of types of Settlement and Reconciliation) run yet to be performed successfully for that Settlement Date are displayed.

   Each outstanding Settlement Run may have reached one of the following stages:

   - An Initial Settlement Run waiting to be processed, (i.e. Not yet scheduled);

- A previous Settlement Run that has failed, and needs to be re-run;

- A Reconciliation Run waiting to be processed;

- A Final Settlement Run waiting to be processed.

The SSR Run Type defaults to the Settlement Code, but may be changed to a different value, by entering the value or executing a query to find the required code.

The Settlement Code defaults to the next valid Settlement Code, but may be changed to a different Settlement Code by entering the required code, or executing a query to find the required code.

All GSP Groups are displayed in the bottom half of the screen, and those for which the ISR Agent is responsible are checked.

2. Select the GSP Groups to include in the Settlement or Reconciliation run by checking the corresponding check boxes. Click on the All button to select all GSP Groups (the button changes to None – to uncheck the check boxes, click on the None button);

3. Once the required GSP Groups are selected, click on the Run button, to initiate the validation of the Data Aggregation data.

Note that the Scottish GSP Groups will not be displayed for settlement days before the BETTA Start Date.

25.2   Data Aggregation Data Validation

Before the second form is displayed the following validation is performed on the Data Aggregation data.

1. Check whether any unexpected Data Aggregator files have been received for the Settlement Date and GSP Groups selected for the run. If any files are found a warning message will be displayed and a warning record will be written to a separate exception report giving details of each unexpected file. However, this does not prevent the SSR run from being initiated.

2. For each expected Data Aggregator file which has been received, validate that data has been loaded for the full set of expected Suppliers. If there is any missing Supplier data, an error message will be displayed and the user prevented from initiating the SSR run. An error record will be written to a separate exception report giving the details of each instance of missing Supplier data.

3. For each expected Data Aggregator file which has been received, validate that data has only been loaded for the expected set of Suppliers. If there is any superfluous Supplier data, an error message will be displayed and the user prevented from initiating the SSR run. An error record will be written to a separate exception report giving the details of each instance of superfluous Supplier data.

If the validation at steps two and three is successful the second form will be displayed.

25.3   SSA Run and Data Aggregation File Selection

From the second form you can select the required SSA Run and the associated Data Aggregation Files.

Figure 57: Specify SSA Run/ Data Aggregation Files for SSR Run

The details of the Settlement Run selected on the previous form are shown at the top of the form.

The SSA Settlement Run fields may be populated, depending on the outcome of the following validation that was performed on each selected GSP Group when you clicked on the Run button on the Run SSR form.

A check is made to determine whether or not daily purchase data for each GSP Group is available for the latest SSA Settlement Run number for the Settlement Date. Then the period purchases for each GSP Group are validated against the GSP Group Take supplied by the SSA Run, Pool Selling Price, Transmission Loss Multiplier and Transmission Reconciliation Loss Multiplier.

If *all* of the GSP Groups selected pass the above validation, then the SSA Settlement Run fields are populated automatically, with the Settlement Date, the latest SSA Run number for that Settlement Date and the Run Type.

If *any* of the GSP Groups fail the above validation, then you need to enter the SSA Settlement Run details for a previous Settlement Date by selecting from a list of values.

If the current SSR run is a DF run, then any unexpected files that arrived (unexpected based on the relations defined in DF Standing Data Control Matrix) will not be treated as newer files. Instead the files from RF run will be used as inputs for the SSR run.

For each GSP Group selected, validation is also performed to ensure that a Data Aggregator has been appointed to the Supplier, with the appointment start date being between the effective from and to effective dates of the GSP Group.

If all of the Data Aggregation files required are found, no information is displayed in the Missing Data Aggregation Files part of the form.

If any of the Data Aggregation files for the Settlement Date and Settlement Code, the required GSP Group, Data Aggregator, and Supplier combinations are missing then you need to select files used in previous Settlement Runs. This can be done in one of three ways; either by double-clicking on the Run No field and selecting a Data Aggregation Run Number from the list of values presented, or by direct entry of the Data Aggregation Run Number, or by direct entry of the Settlement Date and Settlement Code of the file to be used.

For DF Settlement Runs, missing file details are automatically selected/populated in the 'Missing Data Aggregation Files' block using data from the previous RF Settlement Run. If multiple files are available with different aggregation run numbers, then the file with the latest aggregation run number will be selected for defaulting. The user can override this and manually specify the use of previous Data Aggregator files for the missing records.

Once all missing files have been dealt with, click on the Run button, which submits the SSR Run for processing by the scheduler. Alternatively, you may select Return, to return to the first screen, or Cancel to cancel the program and return to the menu.

25.4   Field Summary

Field	Details
SSR Run Identification & GSP Group Selection	
Settlement Date	Settlement Date for which to perform the Settlement Run
Settlement Code	Settlement Code for which to perform the Settlement Run
SSR Run Type	Defaults to Settlement Code, may be changed to an alternative
GSP Group	Id and name of each GSP Group to be included in the Settlement Run
Select	Checked if the GSP Group is included in the Settlement Run
SSA Run and Data Aggregation File Selection	
Settlement Date	Settlement Date for which to perform the Settlement Run
Settlement Code	Settlement Code for which to perform the Settlement Run
SSR Run Type	Defaults to Settlement Code, may be changed to an alternative valid Settlement Code
Settlement Date	Settlement Date for which to perform the Settlement Run
SSA Run No	Unique sequential number allocated to SSA Runs
Run Type	Run type for the SSA Run
Data Aggregator	Id and name of the Data Aggregator
Aggregation Type	Type to which the Data Aggregator belongs
GSP Group	Id and name of each GSP Group to be included in the Settlement Run
Run No	Data Aggregation Run number for the data files from a Previous Settlement Day to be used in this Settlement Run
Settlement Date	Settlement Date for the data files from a previous Settlement Run to be used in this Settlement Run
Settlement Code	Settlement Code for the data files from a previous Settlement Run to be used in this Settlement Run

Table 51: Run SSR – Field Summary

26   View SSR Run Status

The following form can be used to view the status of SSR Runs that have yet to be run, and those that have taken place.

Figure 58: View SSR Run Status

1. Enter the Settlement Date for the SSR Runs that you want to view or select from a list of values.

2. Position the cursor in the Settlement Run Details part of the form. Details of any Settlement Runs for the Settlement Date entered are displayed.

26.1   Field Summary

Field	Details
Settlement Date	Settlement Date for the Settlement Run(s)
Settlement Code	Settlement Code for the Settlement Run
Run Date	Date and time at which the Settlement Run was initiated via the Run SSR form
Run No.	Number automatically allocated to the Settlement Run when initiated via the Run SSR form
Run Status	Status of the SSR Run

Table 52: View SSR Run Status – Field Summary

27 View Missing Data Aggregator Files

The following form can be used to view the status of SSR Runs that have yet to be run, and view the status of SSR Runs that have taken place and those runs for which Data Aggregator or Supplier data is either missing or unexpected (where applicable).

Figure 59: Browse Missing Data Aggregator Files

1. Enter the Run Date – the start date from which you want to view missing & unexpected data aggregator files.

2. Select to filter the data aggregator based on four criteria: HH files; NHH files; Final Dispute runs only; data for all runs up to Final Dispute. The default selection will display data for: HH files; NHH files and Final Dispute runs only.

3. Position the cursor in any of the four data blocks. Details of any missing and/or unexpected data aggregator files starting from the entered run date are displayed.

27.1 Field Summary

Field	Details
From Date	Run date from which the file details are to be displayed
Check Boxes	Select the appropriate check box and navigate to the corresponding block to filter the output display to the required file type/run type.
Display fields (Missing Data Aggregator Files block and Received Not Expected Data Aggregator Files block)	Planned SSR Run Date, Settlement Code, Settlement Date, Data Aggregator ID, Description & Type, GSP Group Id & Name

Field	Details
Display fields (Missing Supplier Data block and Unexpected Supplier Data block)	Planned SSR Run Date, Settlement Code, Settlement Date, Data Aggregator ID &Description, Supplier Id & Description, Aggregation Type, GSP Group Id & Name

Table 53: Viewing Missing Data Aggregator Files – Field Summary

28   Daily Profile Production Run

The Daily Profile Production Run (PPR) calculates the Daily Profile Coefficients which are used by the EAC/AA system to generate EAC/AA values for each of the specified GSP groups on that day. You will need to produce the Daily Profile Coefficients for each GSP group every day.

Daily Profile Coefficients are also used by the SSR to calculate settlement and reconciliation figures for non-half hourly metered supplies.

Note that the Daily Profile Coefficients may be required by Data Collectors if consumption data from half hourly meters is not available at the time the PPR is to be performed (The unavailability of half hourly data may be due to a communications failure or late arrival of the data for some other reason.)

When the PPR is complete, a number of reports are generated. These are:

- Standard Settlement Configuration Report (see appendix B.21 for an example);

- Standing Profile Data Report (see appendix B.23 for an example);

- Daily Profile Data Report (see appendix B.2 for an example);

- Tele-switch Contact Interval Data Report (see appendix B.27 for an example);

- Daily Profile Coefficient Extraction Report (see section 29).

Note that on successful completion of the PPR, copies of these reports must be sent to the relevant authorities, such as Distributors and Suppliers.

In the event of any problems, an Exception Report may be produced, depending on the nature of the error (refer to Appendix B.6 for an example).

28.1   Overview

The following diagram shows the inputs to the PPR function (to the left of the PPR function) and the expected outputs (to the right).
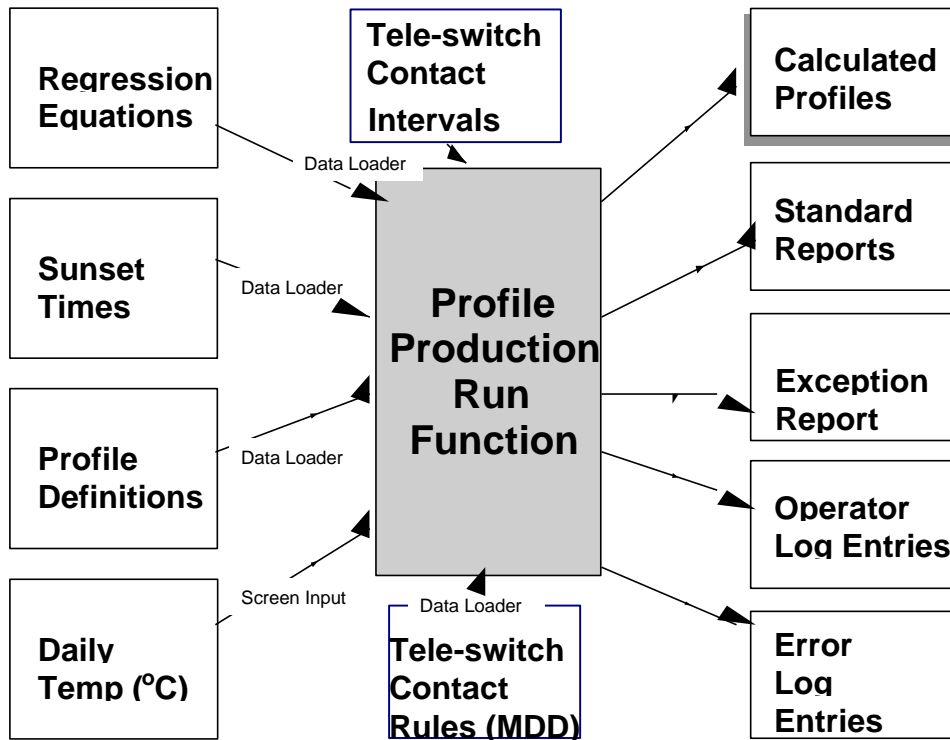
Figure 60: Profile Production Process

Note that the Standard Reports and Exception Report are effectively statements of input data.

You must ensure that the most up to date information is available before performing the PPR. The following table shows the frequency with which each category of information will normally be updated:

Input Information Category	Approximate Frequency of Updating
Tele-switch Contact Intervals	Daily
Tele-switch Contact Rules (in Tele-switch Pool Market Domain Data)	Low frequency
Regression Equations Coefficients	Three or four times annually
Scottish Regression Coefficients	Never
Sunset Times for the year	Annually
Profile Definitions	Annually
Daily Temperature	Daily, from the Authorised Temperature Provider

Table 54: Daily Profile Production Run

A mail will be sent from the UNIX server to the SVA O&H team if the Tele-Switch Contact Intervals Data file does not exist in the expected location or when there is a ftp failure in moving the file.

A mail will be sent to Energy Network Association (ENA) acknowledging the receipt of the Tele-Switch Contact Switching Times Data file.

To load any of the information listed above, refer to the following sections:

- Tele-switch Pool Market Domain Data (see section 5.7);

- Tele-switch Contact Interval Data (see section 5.10);

- Regression Equations (see section 5.5);

- Sunset Times (see section 5.6);

- Profile Definitions (see section 5.8);

- Scottish Regression Coefficients (see section 5.17);

- Actual and Noon Effective Temperatures. Note that whist this information is provided from an authorised source (originating from the Met Office) you have to enter the Actual Noon Temperature information yourself on a daily basis (see section 6). The Noon Effective Temperature is derived from Actual Noon Temperatures on the current date and the previous two settlement dates.

28.2   Reports

On completion of the run, the following standard reports are produced by a Profile Production Run:

- Standard Settlement Configuration Report;

- Daily Profile Data Report;

- Standing Data Profile Report;

- Tele-switch Contact Interval Data Report.

28.3   Exception Handling

If exceptions are encountered in a PPR, an exception report is generated. An appropriate error log entry (or entries) will also be generated. In such cases, you must take remedial action appropriate to the log entry and resubmit the PPR. You can repeat this procedure as many times as is necessary until the PPR is successful.

To view the exception reports, use the 'Reports for Viewing' form, which is described in section 33.8. Examples of Exception Reports are included in Appendix B.

Error Messages, which may appear in the exception reports, are given in Appendix A.

28.4   Scheduling the PPR

Note that while the PPR is in progress, most of the standing data edit functions will be unavailable and the interactive performance of the system may be impaired.

28.5   Initiating the PPR

On selecting the Profile Production Run function, the following form is displayed:

Figure 61: Calculate Daily Profiles

28.6 Field Summary

Field	Details
Settlement Date	The settlement date applicable to this PPR.
Tele-switch Data Date	The creation date of the tele-switch data which is being used to perform this PPR. This defaults to the value of a valid Settlement Date entered in the Settlement Date field.
GSP Group	The GSP Group ID code is displayed in this field. A unique code has been allocated to identify each GSP Group. To select ALL GSP Groups, click on the All button which is at the foot of the screen. A GSP Group which is currently selected for inclusion in the PPR has a tick displayed in the Selected checkbox.
Select	Click on the checkbox to select a GSP Group for inclusion in the PPR (a tick appears in the box); click on the checkbox again to exclude the GSP Group from the PPR (the tick disappears).

Table 55: Calculate Daily Profiles – Field Summary

1. Enter the Settlement Date and Tele-switch Data Date. Note that when a valid Settlement Date is entered, the Tele-switch Data Date defaults to the same date, but it can be modified to an earlier date if required. If a different valid Settlement Date is entered in the Settlement Date field, the Tele-switch Data Date changes to match it. Also note that a Daily Profile Production Run may not be requested for a day on which a Final Initial Settlement Run has already completed successfully.

2. All of the GSP Groups are displayed on the form, and the Select checkbox is checked for those for which the ISR Agent is responsible on the current

date. You can exclude individual GSP Groups from the PPR by clicking on the Selected checkbox adjacent to the GSP Group you wish to exclude. At this stage, the All button in the above diagram reads None. To deselect all of the GSP Groups, from the PPR, click on the None button. If you do this, all of the Selected checkboxes are unchecked and the None button toggles to All. You can now select individual GSP Groups to include, by clicking on the appropriate Selected checkbox. Alternatively reselect all of the groups by clicking on the All button; The Scottish GSP Groups will only be displayed for settlement days on or after the BETTA Start Date.

3. You can view a list of the GSP Groups for which the PPR have already been completed successfully. To do this, click on the Profile Runs button. The form below is displayed. Click on the Return button to return to the Calculate Daily Profiles form.

4. Once you have selected the GSP Groups for which you wish to perform a PPR, click on the Run button at the foot of the screen to perform the PPR;

5. When the PPR has completed, view the logs for potential action in the following order: Operator Log, Error Log, Exception Report Messages.

Figure 62: Completed Profile Production Runs

Note on the screen above that 'Run Number' is generated by the PPR process and uniquely identifies the PPR for each GSP on a given day.

29 DF Standing Data Control Matrix

Use this form to create and maintain the standing data control matrix for DF settlement run for selected GSP groups and their market participants. This matrix is used for DF Settlement Runs to specify which Data Aggregators are expected to send in data for each GSP Group.

Figure 63: DF Standing Data Control Matrix

1. Define the Settlement date criteria for the required standing data control matrix by entering the Start Settlement Date and End Settlement Date.

2. Enter the required GSP groups and their DA roles (Half Hourly/Non Half Hourly) in standing data block either manually or using the list of values.

3. Press the Save button.

4. For each of the Standing Data block records:

   a. Press the Select Market Participants button to open the Files Sent by Market Participants window.

   b. From the list of market participants displayed select the required market participants using the check box provided on the right hand side. There is an additional check box "Select All" for selecting and deselecting all the market participants. By default all Market Participants will be in selected state for Non Half Hourly Data Aggregator records.

   c. Press Save button.

   d. Press Close button.

29.1 Field Summary

Field	Details
DF Standing Data Control Matrix	
Start Sett Date	Start Settlement Date for standing data settlement date criteria
End Sett Date	End Settlement Date for standing data settlement date criteria
GSP	Unique GSP Group Id for the defined settlement date range
Name	Name of the GSP Group
Role	Role of the market participant (Half Hourly/ Non Half Hourly)
Files Sent by Market Participants	
Id	Unique Market participant id
Name	Name of the Market participant
Checkboxes	Ticked for the market participants selected.

Table 56: DF Standing Data Control Matrix – Field Summary

30 Extract Daily Profiles

Use this form to generate a Daily Profile Coefficient Extraction Report containing Daily Profile Coefficients with their Standard Settlement Configuration, Profile Class and GSP Group details.

Figure 64: Extract Daily Profile Data – Report Request

1. Enter the Settlement Date for which the report is required;

2. On entry to the Profile Production Run Number field, the latest Run Number is displayed;

3. Click on the Extract button to schedule the report.

A message is displayed to indicate whether or not the report has been successfully submitted for processing.

The data is extracted from files contained in the ISRA file store that have been created during Profile Production Runs, and is in machine-readable format. There is no equivalent human-readable format. To view the contents of the data extract, you should inspect or print the file directly in the directory in which it is created (You cannot use the View Reports form).

30.1 Field Summary

Field	Details
Settlement Date	Settlement Date for which the report is required
Profile Production Run Number	Latest Profile Production Run Number for the entered Settlement Date

Table 57: Extract Daily Profile Data – Field Summary

31   Extract EAC Data

This form enables you to extract a data file containing Daily Profile Coefficients with their Standard Settlement Configurations, Profile Class and GSP Group.

Figure 65: Extract Selected EAC Data

1. Enter the Data Collector or select from a list of values. The Data Collector name is populated automatically;

2. Enter the GSP Group or select from a list of values. The GSP Group name is populated automatically;

3. Enter the Start Settlement Date from which you want the report to begin. If you do not enter the End Settlement Date, it defaults to the Start Settlement Date;

4. Click on the Extract button.

The data is extracted from files contained in the ISRA file store that have been created during Profile Production Runs, and is in machine-readable format. There is no equivalent human-readable format. To view the contents of the data extract, you should inspect or print the file directly in the directory in which it is created (You cannot use the View Reports form).

31.1   Field Summary

Field	Details
Data Collector	Data Collector Id and name for which you want to extract EAC data
GSP Group	GSP Group Id and name for which you want to extract EAC data
Start Date	Start of Settlement period for which you want to extract EAC data
End Date	End of Settlement period for which you want to extract EAC data
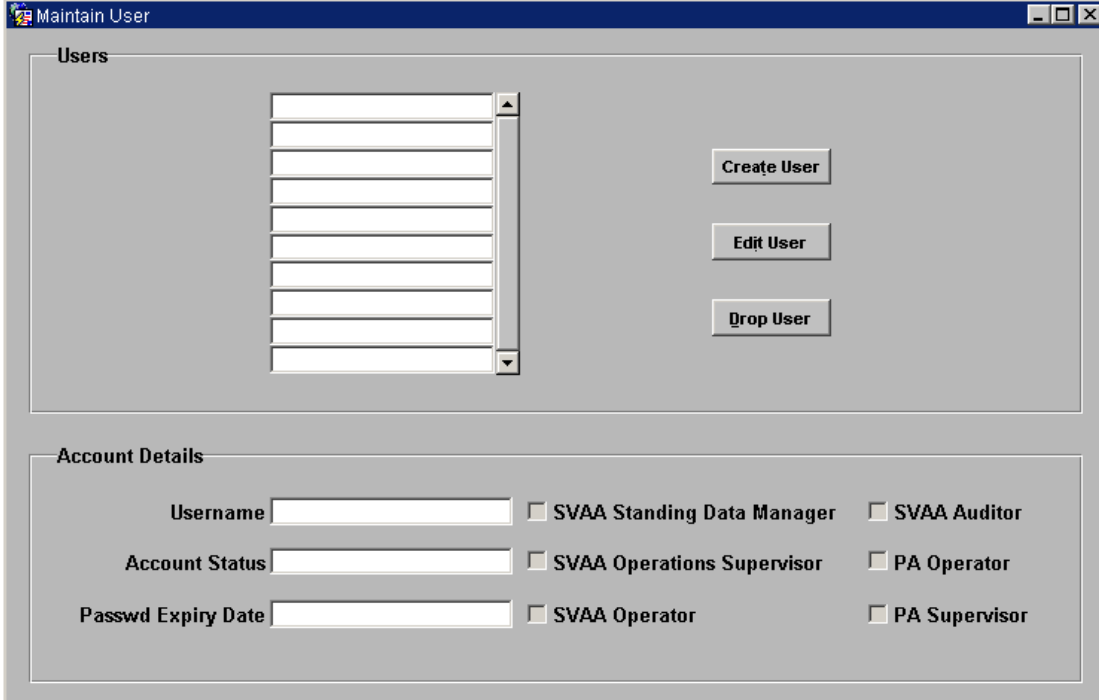
Table 58: Extract Selected EAC Data – Field Summary

32 Maintain User

This section provides information on maintaining user accounts and password change for both the System Manager who has control over all accounts and for the system user who may change only their own password.

32.1 Manage User Accounts

This form is available to users with the user role of system manager only. It allows the user to view user account details for a selected user and to make changes to the user's account where required. The form also allows the user to add users to the system, or to drop a selected user.

Figure 66: Maintain User – View User Details

Upon opening the Maintain User form, the System Manager is presented with a list of existing users as well as the details of the first user listed displayed in the Account Details section. To select a different user and display their details, move the cursor to any of the listed users.

Figure 67: Maintain User - Create/Edit User details

Create a New User

Press the Create User button on the Maintain User - View User Details form. A blank Maintain User – Create/Edit User Details form is displayed. Enter your password to confirm your System Manager role, and then enter the user's details and initial password, together with the user roles required for that user. Press the Save button and the new user will be created.

Note: You may wish to create new users with expired passwords, so that they are forced to change their passwords on first logon.

Edit an Existing User

Select the user to edit by placing the cursor in the user's username on the Maintain User - View User Details form and then press the Edit User button on that form. The Maintain User – Create/Edit User Details form is displayed, populated with the chosen user's details. Enter your password to confirm your System Manager role. After this, these details can then be edited. When the edit has been completed, press the Save button and the amended user details will be saved.

An account may be locked, either by the System Manager setting the Account Locked checkbox, or by a user exceeding the allowed number of failed login attempts. The System Manager may unlock the account by clearing the Account Locked checkbox.

Drop an Existing User

Select the user to be dropped in the Maintain User – View User Details form and press the Drop User button. After a confirmation, the user will be dropped. Note that a System Manager cannot drop his own user account. The Sys, System and other standard Oracle users cannot be dropped.

32.2   Change of Password

A user can change their password at any time by using the change password form. If a password has expired either by becoming stale dated or by being marked as expired by a System Manager, the user will be asked to change their password at login before being allowed to continue. At login the form used will be the standard Oracle Change User Password dialog box, however if the user has an expired password, and presses the Cancel button, then the user will be logged out and the application closed. User initiated password changes use a password form modelled on the Oracle Change User Password dialog box shown in Figure 68 Change User Password.

Figure 68: Change User Password

When this form is displayed the user is required to enter their old password to confirm their identity and then is required to type in a new password. This password must be six or more characters long. The user is then required to confirm the new password by entering it into the Retype New Password field. Pressing the Change Password button will then change the user's password. The user may abort the process at any time prior to its completion by pressing the cancel button.

32.3   Field Summary

Field	Details
Users	
User	Existing users set up on the system.
Account Details (View User Details)	
Username	Read only. The username for which Account Details are being displayed.
Account Status	Read only. The Account Status for the Username displayed.
Password Expiry Date	Read only. The Password Expiry Date for the Username displayed.
Checkboxes	Read only. Ticked for the roles applied to the username displayed. See Roles section of this table.

Field	Details
System Manager	
Your Password	The password of the System Manager using the form. Concealed with asterisks, must be entered to be able to save any changed made on the form.
Account Details (Create/Edit User details)	
Username	The username for which Account Details are being changed. Note this field is blank and enterable only when a new user is being added.
New Password	Used to provide an existing or new user with a new password
Retype New Password	Required to check the password entry in the New Password field.
Account Status	
Account Locked	Ticked when an account is locked. Used to lock and unlock an account.
Password Expired	Checked for an expired password. Can be used to expire a password early and force a user to change their password.
Roles	
SVAA Standing Data Manager	Tick this checkbox to grant this role to the selected user.
SVAA Operations Supervisor	Tick this checkbox to grant this role to the selected user.
SVAA Operator	Tick this checkbox to grant this role to the selected user.
SVAA Auditor	Tick this checkbox to grant this role to the selected user.
PA Operator	Tick this checkbox to grant this role to the selected user.
PA Supervisor	Tick this checkbox to grant this role to the selected user.
Change Password	
Old Password	The user's current password
New Password	The user's new password to replace the current password
Retype New Password	Required to check the password entry in the New Password field.

Table 59: Maintain User – Field Summary

33   ISRA Reports

Reports can be requested, displayed and printed from the user interface for Profile Production, Supplier Settlement and Reconciliation, and Auditing of Standing Data. An example of each report is given in Appendix B.

Additionally, exception reports are generated by the Data Loading, Profile Production and SSR batch processes. Further details of these reports are contained in section 33.7.

The reports that you can view depend on the ISRA user role with which you are logged on. All ISRA user roles have access to the following reports:

- Audit Report

- Daily Profile Coefficient File

- Daily Profile Data Report

- Data Loading Exception Report

- DUoS Report

- GSP Group Consumption Totals Report

- HH Demand Report

- Profile Run Exception Report

- SSR Exception Report

- Standard Settlement Configuration Report

- Standing Data Audit Report

- Standing Data Profile Report

- Standing Data Update Report

- Supplier Purchase Matrix Report

- Supplier Settlement Header Report

- Supplier BM Unit Report

- Tele-switch Contact Interval Report

- TUoS Report

- LLF Confirmation Report

Additionally, the Operations Supervisor, Standing Data Manager and Auditor have access to the following reports:

- BM Unit Supplier Take Energy Volume Report

- BM Unit SVA Gross Demand Report

- Deemed Take Report

- Supplier Purchase Report

Once the Reports have been generated, you can display them and print them using the Reports for Viewing form. See section 30.7 for further information.

33.1 Profile Production Reports

From the following form, you can request various reports on Profile Production Runs.

Figure 69: Request Profile Reports

Once the Reports have been generated, you display them and print them using the View Reports form. See section 33.8 for further information.

33.1.1 Field Summary

Field	Details
Daily Profile Data	Check this check box to select this report
Standing Profile Data	Check this check box to select this report
Standard Settlement Configuration	Check this check box to select this report
Tele-switch Contact Interval Data	Check this check box to select this report
Settlement Date	Settlement Date for the Profile Production Run for which you want

Field	Details
	to generate the selected reports
Run Number	Profile Production Run Number for which you want to generate the selected reports
GSP Group	GSP Group Id and name
Select	Check this check box to report on all GSP Groups in the selected reports for the selected Settlement Date and Run Number

Table 60: Request Profile Reports – Field Summary

33.2 Supplier Settlement and Reconciliation Reports

From the following form, you can request various reports on Supplier Settlement and Reconciliation Runs.

Figure 70: Supplier Settlement and Reconciliation Reports

1. Enter the Settlement Date for which the SSR Run was performed;

2. Enter a Settlement Code or select from a list of values. Only those Settlement Codes for which a SSR Run has completed for the Settlement Date are displayed;

3. Select the SSR Run number from the drop-down list;

4. Check the check boxes for the required reports;

5. Click on the Report button to schedule the reports.

Note the BM Unit Supplier Take Energy Volume report, BM Unit SVA Gross Demand Report and Supplier BM Unit report are only available for Settlement Dates on or after the NETA Start Date.

Once the Reports have been generated, you display them and print them using the View Reports form. See section 33.8 for further information.

33.2.1   Field Summary

Field	Details
Settlement Date	Settlement Date for which you want to generate SSR Reports
Settlement Code	Settlement Code for which you want to generate SSR Reports
Run Number	SSR run number for which you want to generate SSR Reports
HH Demand	Check this to generate an HH Demand Report
Deemed Take	Check this to generate a Deemed Take Report
Supplier Purchase	Check this to generate a Supplier Purchase Report
Supplier Matrix Report	Check this to generate a Supplier Purchase Matrix Report
TUoS Report (HH/NHH Split)	Check this to generate a TUoS Report
DuoS	Check this to generate a DuoS Report
GSP Group Consumption Totals	Check this to generate a GSP Group Consumption Totals Report.
BM Unit Supplier Take Energy Volume	Check this to generate a BM Unit Supplier Take Energy Volume Report.
BM Unit SVA Gross Demand	Check this to generate a BM Unit SVA Gross Demand Report
Supplier BM Unit Report	Check this to generate a Supplier BM Unit Report

Table 61: Supplier Settlement and Reconciliation Reports – Field Summary

33.3   Standing Data Update Report

The Standing Data Update Report can be requested from the following form.
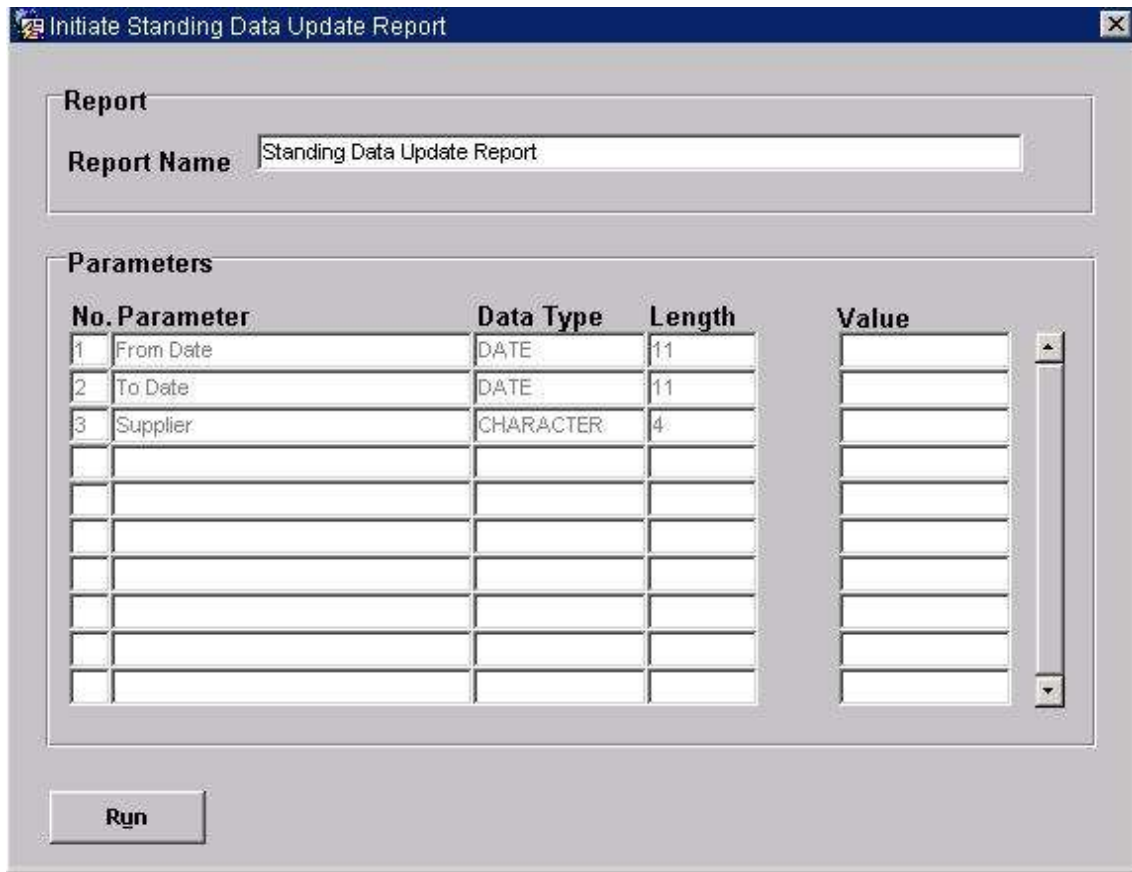
Figure 71: Initiate Standing Data Update Report

1. The parameters that can be specified for the report are displayed. A value can be specified for each value.

2. Click on the Run button to schedule the report.

33.3.1   Field Summary

Field	Details
Report Name	Name of the report
From Date	Earliest loaded date to be included in the report
To Date	Latest loaded date to be included in the report
Supplier	Optionally the report can be run for a single supplier

Table 62: Initiating Standing Data Update Report – Field Summary

33.4   AFYC Recalculation Report

The AFYC Recalculation Report is requested from this form:
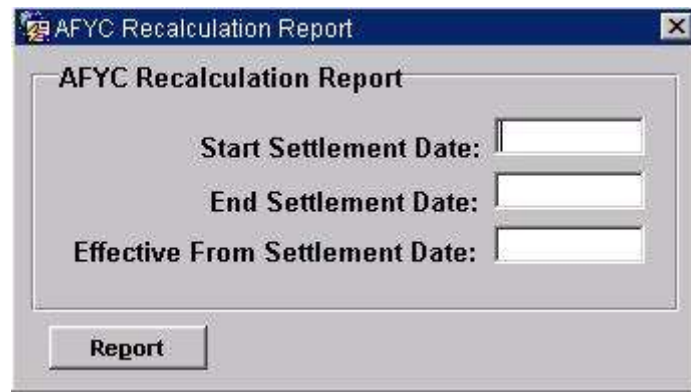
Figure 72: AFYC Recalculation Report

33.4.1   Field Summary

Field	Details
Start Settlement Date	First Settlement Date in range to be used as input to the calculation
End Settlement Date	Last Settlement Date in range to be used as input to the calculation
Effective From Settlement Date	The Settlement Date from which the recalculated values are deemed to apply

Table 63: AFYC Recalculation Report – Field Summary

33.5   LLF Confirmation Report

This report is used after the annual LLF loads, to confirm that LLF values have been loaded for all the expected LLFCs. It mainly contains LLF File Id, LLFC and LLF. The report is generated based on the input parameters Distributor, Settlement Date, Settlement Period and LLF File Id.

The LLF Confirmation Report can be requested from the following form:

Figure 73: LLF Confirmation Report

1. The parameters that can be specified for the report are displayed. A value can be specified for each one of them.

2. Click on the Report button to schedule the report.

33.5.1   Field Summary

Field	Details
Distributor	Distributor ID and Name (Distributor Name is read only)
Settlement Date	Settlement Date for which the report is required
Settlement Period	Settlement Period for which the report is required
Latest LLF File ID	This will be automatically populated once all the other input parameters are available. This is a read only field.

Table 64: LLF Confirmation Report – Field Summary

33.6   Audit Reports

You can request Audit Reports on Standing Data from the following form:

Figure 74: Initiate Audit

1. Select the required report from a list of values.

2. The parameters that can be specified for the report are displayed. For each parameter shown, you can specify its value.

3. Click on the Run button to schedule the report.

If the Current Day Audit Report has been requested then the following warning message is displayed: "Audit Report submitted is for Current Day Activity, and therefore may not be complete."

33.6.1 Field Summary

Field	Details
Report Name	Name of the report
No.	Sequence number of the parameter for the report
Parameter	Parameter name
Data Type	Data type of the parameter
Length	Length of the parameter
Value	Required value of the parameter

Table 65: Initiate Audit – Field Summary

33.7 Exception Reports

Exception reports are automatically generated by the following batch processes if errors are encountered:

- Profile Production Run;

- Data File Loading;

- SSR.

If errors are encountered in a Profile Production Run, a set of exception reports is generated; one for the main Production Run and one for each GSP Group.

These exception reports can be viewed using the Reports for Viewing form, described in section 33.8. Examples of the exception reports are included in Appendix B.

33.8 Viewing Reports

You can use the following form to select a report, which has been generated on the ISRA server, for viewing on-line at your PC or for printing to your default printer. This form is available from the Reports|View Reports menu option. When you click on the Display button, the report is displayed using a viewer that has been configured at installation, e.g. WordPad. If the size of the report exceeds the size defined in the system parameter "Warning File Size", confirmation is required before the report is displayed. The form will allow more than one report to be opened for viewing at the same time. If you want to print the report, you should use the Print button from the Reports for Viewing form; printing from within the viewer, e.g. WordPad, is not supported and will result in an incorrectly formatted printed report.

Note that you can only view and print reports to which your user role has been authorised.

Only reports that have a status of 'Completed' are displayed.

Figure 75: Viewing Reports

All reports that can be displayed and printed via this form are accessible to all ISRA User Roles, with the exception of the following reports, which are only available to the ISRA Operations Supervisor, Standing Data Manager and Auditor:

- BM Unit Supplier Take Energy Volume Report;

- BM Unit SVA Gross Demand Report

- Deemed Take Report;

- Supplier Purchase Report.

The Creation Time is the date and time at which the file was created on the server.

The Additional Information field will contain details to help identify the contents of a report. To maximise the information displayed a set of short codes have been used to annotate the values displayed, e.g. "SD:14-JAN-2005 RN:5" represents settlement day 14-JAN-2005 and run number 5. The following are the short codes used:

- AC for the action

- EF for the effective from settlement date

- EN for the end settlement date

- FP for the from participant

- GP for the GSP group id

- RC for the run code

- RN for the run number

- SC for the settlement code

- SD for the settlement date

- SP for the supplier

- ST for the start settlement date

- TN for the table name

- UN for the username

The User is the user who submitted the activity that generated the report on the server.

The Size is the relative indication of the size of the report, based on the number of records in the machine-readable file.

Please note:- Should a report being viewed inadvertently have spurious characters saved to its content, there is a possibility that these changes could appear to persist. This is caused by the Internet Browser redisplaying a local copy of the displayed report. This can be rectified by adding sufficient additional change to the report to trigger the browser into refreshing the report file from the application server after which the report will appear in its correct state.

Appendix A Error and Status Messages

This appendix gives a list of error and status messages that may be generated by the ISRA application software. Note that most error messages for underlying products, such as Oracle, are not shown.

Messages listed below are grouped under the process in which they could occur. Each warning or error message states why the process has not proceeded normally. The cause of the exception and the remedial action required should be self-explanatory in the context of the operation or process that produces the message.

In some cases, explanatory text has been given to support the message.

Further help in diagnosing messages can be sought from the System Manager.

A.1   User Interface Messages

Messages displayed via the forms user interface can be categorised as "Information", "Warning" or "Error".

Most messages are self-explanatory. Those which require additional interpretation are marked with an asterisk; these should normally be reported to the Support Desk.

Information Messages

New GSP Group is for England and Wales only.

No Changes to Save

Operation completed Successfully.

Password changed successfully

Profile Production Run initiated.

Report(s) Submitted.

Selected file(s) submitted for loading.

SR Run Initiated.

Temperature data for all the GSP Groups not present in the Input file, Please load the data manually for missing values in GSP Groups

User Created Successfully

User Dropped Successfully

User Modified Successfully

Username must be entered

Valid Measurement Requirement Profile Classes created successfully.

Warning Messages

A SSR Run has taken place for this Date Range.

At least one non zero Correction Factor must exist for every settlement day.

Field must be of form DD-MON-YYYY.

Field must be of form HHMM.

No description found for Settlement Code.

No description found for Time Pattern Regime.

No name found for Market Participant.

Not All GSP Groups selected. The Standard Settlement Configuration report does not vary by GSP Group.

One or more unexpected Data Aggregation files exist on the system which will not be used in the SSR Run. See exception report for details.

Please enter a Start or End Date before proceeding.

Settlement Period Line Loss Factors will exist outside of new Date Range.

Tele-switch Data Date changed from default.

There are no Average Fraction of Yearly Consumption records to view.

There are no Tele-switch Intervals for this Date.

There are no Valid Measurement Requirement Profile Class records to view.

This TPR is not linked to any Standard Settlement Configurations.

Unable to initiate Standing Data Manager Report. *

You cannot create records here.

Audit Report submitted is for Current Day Activity, and therefore may not be complete.

There is a gap between AFYC Sets.

Deleting this record will leave a Non Half Hourly BM Unit Allocation without complete AFYC coverage. Continue?

SSC Type has changed, this will affect results of future SSR runs or any reruns that are required - Continue?

Error Messages

A Data Collector, GSP Group and Start Date must be entered.

A GSP Group Id is required. Please specify a valid GSP Group Id

A Final Initial SSR Run has already taken place for this date.

A later Profile Production Run has been carried out for this date.

The report may contain inaccurate Period Time Pattern State Indicators

Continue?

A Pool Member Id must be entered for a Supplier.

A Role is required. Please specify a Role

A Run Date is required. Please specify a Run Date

A Tele-switch Time Pattern must have Tele-switch Associated Information entered.

All GSP Groups must have a Default BM Unit

Actual Noon Temperature must be within specified range.

Actual Noon Temperature must be within specified range.

At least one file must be selected.

At least one FILE TYPE criteria must be specified. Defaulting to NHH and HH

At least one SETTLEMENT CODE criteria must be specified. Defaulting to DF

At least one user role must be selected per user

At least one record must be of Switched Load type.

BM Unit ID and Effective From Date must be unique.

BM Unit ID must be entered for this Default BM Unit.

BM Unit Ids must be unique

Both the Settlement Date and the Profile Production Run No. must exist first.

Both values in a range must be numeric.

C_ERR_FORMAT_FAILED *

C_ERR_NO_DEL_CMD *

C_ERR_NO_FILENAME *

C_ERR_NO_PLACEHOLDER *

C_ERR_NO_PRINT_CMD *

C_ERR_NO_REPORT – No report selected. *

C_ERR_NO_TEMP_DIR *

C_ERR_NO_VIEW_CMD *

C_ERR_OPEN_FAILED *

C_ERR_WAIT_FAILED *

Calling the Profile Batch routine failed. *

Cannot change as there are associated Measurement Requirements.

Cannot count the Domain Codes. *

Cannot create a new TPR Set unless an existing Set is present.

Cannot create a new TPR Set unless you are in the Average Fractions block.

Cannot Create a new TPR Set while in Browse mode.

Cannot create new AFYC Set – Effective From Date Overlaps existing set.

Cannot deactivate whilst active Line Loss Factor Classes exist.

Cannot delete – an SSA Run has been performed for this date.

Cannot delete – an SSR Run of this type has been performed for this date.

Cannot Delete – associated Market Roles exist.

Cannot delete as Data Aggregation data has been loaded for this run.

Cannot delete if related Data Collectors In GSP Groups exist.

Cannot delete this record. A link to a Time Pattern exists for it.

> Data cannot be deleted as it is referenced elsewhere.

Cannot delete this record. Link exists to a profile class.

Cannot delete this record. SSC already assigned to a profile class.

Cannot delete this record. It is used in the Average Fraction of Yearly Consumption table.

> Data cannot be deleted as it is referenced elsewhere.

Cannot delete this record. It is used in the Daily Profile Parameter table.

> Data cannot be deleted as it is referenced elsewhere.

Cannot delete this record. It is used in the GSP Group Take table.

> Data cannot be deleted as it is referenced elsewhere.

Cannot delete this record. It is used in the Market Participant Role GSP Group table.

> Data cannot be deleted as it is referenced elsewhere.

Cannot delete this record. It is used in the Profile Production Run table.

> Data cannot be deleted as it is referenced elsewhere.

Cannot delete this record. It is used in the SSA Settlement GSP Group table.

> Data cannot be deleted as it is referenced elsewhere.

Cannot drop a user who is currently connected

Cannot enter a Clock Change with > 1 hour difference from the previous Change.

Cannot find description for the File Type. *

Cannot modify data that has been used in a SSR Run.

Cannot navigate from a null record.

Cannot assign multiple distributors to a GSP group before Multiple Distrib Start Date *

Cannot determine Multiple Distrib Start Date *

Cannot perform this function while in Browse Mode.

Cannot un-tick the Password Expired without entering the New Password

Contact Intervals not contiguous

Correction Scaling Factor must be within specified range.

Dates must fit within the parents Supplier In GSP Group date range.

Default BM Unit overlaps an existing BM Unit with the same ID.

Default Oracle user accounts cannot be dropped

Distributor/LLFC already effective on this Settlement Date Range.

Effective From Date for Scottish GSP group must be after BETTA Start date.

Effective From Date is less than Effective From Date of parent BM Unit record.

Effective From Settlement Date must be entered for this Default BM Unit.

Effective To Date is greater than Effective To Date of parent BM Unit record.

Effective periods for distributor in GSP group overlap *

Effective To Dates for each TPR within an AFYC Set must match

Either a Start Date or an End Date must be entered.

Encountered an Error while updating the idb_daily_pfl_parameters table

End Settlement Date must be greater than/equal to Start Settlement Date

End time must be after Start time

Enter a GSP Group first.

Enter a Settlement Date before proceeding.

Enter all details before moving to the Maintain Tele-switch screen.

Failed to create new Season records correctly.

Failed to Delete data from idb_gsp_temp_load table

Failed to Load the Temperature data from the input text file

Failed to write Aggregation Data discrepancies to Exception Report.

Field must be of form HH24:MM:SS

First Contact Interval must start at 00:00:00

From Date must be less than or equal to To Date.

GSP Group already assigned to a Distributor for this date range.

GSP Group already assigned to this Data Collector for this date range.

GSP Group already assigned to this Supplier for this date range.

GSP Group ID must be entered for this Default BM Unit.

GSP Group, and Supplier already effective on all of this date range.

GSP Group, and Supplier already effective on some of this date range.

GSP Group does not exist in GSP Groups for Data Aggregators.

GSP Group, Supplier and VSCPC combination may only be assigned to one BM Unit on a given Settlement Day.

Incorrect current Password entered

Insufficient Temperature data in the input file

Invalid Activity Type. *

Invalid AFYC Set – Effective To Date overlaps existing set.

Invalid GSP Group Id. Please enter a valid GSP Group Id (or use LoV)

Invalid Return Code from Package. Contact Support Desk. *

Invalid Settlement Date. Please re-enter Settlement Date

Invalid SSA Settlement Run – use List Of Values.

Invalid SSC Type, MUST BE "E" or "I"'

Invalid value for this Parameter.

Last Contact Interval must end at 00:00:00

Line Loss Factor Class must be within specified range.

Market Participant Id must be unique.

Market Participant Role must be unique for a Market Participant.

Minimum length of Password should be 6

Minimum length of Username should be 4

Must create TPR links to the SSC/Profile Class combination first

Must enter a TPR before proceeding.

Must enter all fields before proceeding

Must enter the Time Pattern Regime.

New Password must be entered

No AFYCs defined with effective date range covering every settlement day for this NHHBMUA.

No contact intervals retrieved for specified criteria

No description found for Standard Settlement Configuration.

No idb_vmr_pfl_classes records are available. No Fractions created. *

No LLF files have been loaded for this Settlement Date, Settlement Period and Distributor Id

No LLFs for this Distributor/Settlement Date/Settlement Period/File Id Combination

No name found for GSP Group.

No overlaps permitted for a Settlement Period of 48.

No Profile Production Runs have been performed on this date.

No records created. Please create Measurement Requirement records

first.

No records may be of Switched Load type.

No settlement runs have been performed for this date – use List of Values.

No such settlement code.

No value found for Domain MAPR. *

No values found in domain. Contact ISR system manager.

Not authorised to change Effective To date because aggregation data has been loaded for Supplier/Data Aggregator/GSP Group.

Not authorised to delete Supplier/Data Aggregator/GSP Group association(s) because aggregation data has been loaded.

Not authorised to delete this record because aggregation data has been loaded for Supplier/Data Aggregator/GSP Group

One or more Data Aggregation files required for the SSR Run contain missing / superfluous Supplier data – cannot proceed with SSR Run. See exception report for details.

Only the latest Clock Change may be amended.

Operation would leave child records with no parent. *

Overlaps existing contact interval

Password cannot be reused

Planned SSR Run date must be <= payment date.

Please Commit or Cancel outstanding changes before proceeding.

Please ensure that both the Start and End dates, and the Season are entered.

Please enter a Settlement Date before proceeding.

Please enter either both Time fields, or leave both Null.

Please select at least 1 GSP Group before proceeding.

Pool Member Id should only be entered for a Supplier.

Problem occurred while appending changes to audit log file

Profile Class already exists.

Profile must be unique for a given Profile Class.

Profile Production Run data does not exist for all selected GSP Groups.

Reactivating a Supplier requires new Default BM Units to be entered

Record is not unique, check SSC value and Dates.

Related Valid Settlement Configuration Profile Classes exist.

Repeat Password is only allowed when New Password is entered

Repeat Password should be same as New Password

Select or enter a Market Participant before proceeding.

SSA data invalid for latest settlement run or does not exist for this date.

SSC and TPR combination must be unique.

Standard Settlement Configuration must be unique.

Start and End Date must be set to Current Date for Current Day Audit Report.

Start Date must be less than or equal to End Date

Start Settlement Date must be less than/equal to End Settlement Date

Sunset Data has not been loaded for this Settlement Date.

Supplier cannot be changed when Default BM Units exist

Tele-switch date must be less than or equal to the Settlement Date.

Tele-switch Interval Block Id must be between 0 and 3 inclusive.

Tele-switch User, Group and Date must be specified

Tele-switch User, Group, Contact Code and Start Date Time must be unique

The Effective From Settlement Date must be unique.

The form is running in QUERY ONLY mode. The current selection will be re-set

The Fractions of Yearly Consumption values must sum to a value of 1.

The new Settlement Date must be greater than the previous Set.

The number of minutes may not be > 59.

The Settlement From Date must be the same for each record.

The specified date will violate existing Standing Data. Please specify an alternative Settlement Date

The SSC is assigned to a Profile Class. Cannot Insert or Delete.

The Start and End Times may not overlap existing Times.

The Start Day/Start Month must be earlier than, or the same as, the End Day/End Month.

The Start Time must be less than the End Time.

The Time fields must be on the hour.

The Time fields must correspond to a half-hourly boundary.

The Time Patterns screen cannot be accessed until an SSC has been selected.

The upper value in the range must be >= the lower value.

There are no Production Runs for this Settlement Date.

There are no Supplier Default BM Unit records to view

There can be only one Default BM Unit for a GSP Group/Supplier

combination on a given Settlement Date.

There must be at least one active profile with 48 settlement periods.

There must be at least one active record that is = 48 and one that is <= 48.

This action will delete child Non Half Hourly BM Unit Allocation Records. Continue?

This domain code already exists – duplicates not permitted.

This domain is a discrete set. No High Value is allowed.

This domain is a range. High Value must be supplied.

This End Time falls within a Forward Clock Change.

This function is not available here.

This range overlaps with one which already exists for this domain.

This settlement code is already defined for this date.

This Settlement Date already exists.

This Settlement Date does not exist.

This Start Time falls within a Forward Clock Change.

This value is already defined for this set.

To Settlement Date must be after From Settlement Date

Unable to count SSA settlement runs. *

Unable to count SSR settlement runs. *

Unable to fetch Parameter Details. *

Unable to fetch Distributor Name *

Unable to fetch Report Name. *

Unable to fetch User Role. *

Unable to initiate a SSR Run – contact support. *

Unable to Initiate Report – contact support. *

Unable to insert idb_ssr_run_gsp_groups *

User details have been changed by another user. Cancel and refresh the details before re-applying the changes

Username cannot have space(s)

Username must be entered

Value is outside existing allowable Range.

You are not authorised to load files of this type.

You cannot Drop the currently logged-in user

You cannot enter/view details for an Inactive record.

You must commit changes before proceeding.

You Must enter a Parameter Value.

You must enter a Settlement Date and a Run Number.

You must enter a Settlement Date and Run Number.

You must enter a unique start date in order for no overlaps to occur.

You must enter at least one Report Type.

You must select a SSA Settlement Run.

You must select at least one GSP Group before proceeding.

You must select at least one GSP Group.

You must select at least one Report Type.

You must specify a substitute for missing Non Half Hourly DA Files.

Your Password must be entered

Duplicate SPM found in File %.0f GSP %s DA %s Sett Date %s Sett Code %s Supp %s LLFC %d Dist %s SSC %s TPR %s PC %d

Note that in addition to these error messages, in the event that the ISRA database is shut down and restarted, unusual error messages may be displayed via the user interface, e.g. FRM-40735: WHEN-BUTTON-PRESSED trigger raised unhandled exception ORA-04068. If such messages are displayed, you should check with your System Administrator; if the database has been shut down, you should log off from the ISRA application on your PC and log on again once the database has been restarted.

A.2   Operator Log Messages

In the message descriptions, the "%" symbol is used to indicate that the text at that point is inserted when the message is generated (to give more information about the cause of the condition being reported). "%d" indicates that an integer is inserted (e.g. Aggregation Run Number), while %s indicates that text will be inserted (e.g. a filename) (See a definition of the printf C function for a complete list on the meaning of the characters after the "%" symbol).

Messages displayed in the operator logs are preceded by a timestamp in the following format:

```
DD-Mon-YYYY HH:MM:SS
```

The messages listed below are grouped under the process in which they could occur.

A.2.1   Profile Production

Daily Profile Production Run %s completed at %s with exceptions

Daily Profile Production calculation for GSP group %s completed successfully at %s

Daily Profile Production calculation for GSP group %s failed at %s

Daily Profile Production calculation for GSP group %s started at %s

IDP_PR_DPR Daily Profile Report for production run %d completed successfully at %s

IDP_PR_DPR Daily Profile Report for production run %d failed at %s

IDP_PR_DPR Daily Profile Report for production run %d started at %s

IDP_PR_SPD for date %s, profile production run %d completed successfully at %s

IDP_PR_SPD for date %s, profile production run %d failed at %s

IDP_PR_SPD for date %s, profile production run %d started at %s

IDP_PROF_EXTRACT for date %s, mkt_ppt_id %s, gsp_groups %s completed successfully at %s

IDP_PROF_EXTRACT for date %s, mkt_ppt_id %s, gsp_groups %s failed at %s

IDP_PROF_EXTRACT for date %s, mkt_ppt_id %s, gsp_groups %s started at %s

A.2.2 Data Loading

The following message is recorded in the Operator Log if a file does not contain a footer record:

File footer record missing.

A.2.2.1 Load Aggregated Half Hourly Data

Load Aggregated Half Hourly Data: Load failed with status %d.

Load Aggregated Half Hourly Data: Load of %s failed with status %d.

Load Aggregated Half Hourly Data: Load of %s started.

Load Aggregated Half Hourly Data: Load of %s successfully completed.

Load Aggregated Half Hourly Data: Load of %s successfully completed with exceptions.

Load Aggregated Half Hourly Data: Load started.

Load Aggregated Half Hourly Data: Load successfully completed with exceptions.

Load Aggregated Half Hourly Data: Load successfully completed.

A.2.2.2 Load BM Unit Aggregated Half Hour Data

Load BM Unit Aggregated Half Hourly Data: Load failed with status %d.

Load BM Unit Aggregated Half Hourly Data: Load of %s failed with status %d.

Load BM Unit Aggregated Half Hourly Data: Load of %s started.

Load BM Unit Aggregated Half Hourly Data: Load of %s successfully completed.

Load BM Unit Aggregated Half Hourly Data: Load of %s successfully completed with exceptions.

Load BM Unit Aggregated Half Hourly Data: Load started.

Load BM Unit Aggregated Half Hourly Data: Load successfully completed

with exceptions.

Load BM Unit Aggregated Half Hourly Data: Load successfully completed.

A.2.2.3   Load GSP Group Take Data

Load GSP Group Take Data: Load failed with status %d.

Load GSP Group Take Data: Load of %s failed with status %d.

Load GSP Group Take Data: Load of %s started.

Load GSP Group Take Data: Load of %s successfully completed with exceptions.

Load GSP Group Take Data: Load of %s successfully completed.

Load GSP Group Take Data: Load started.

Load GSP Group Take Data: Load successfully completed with exceptions.

Load GSP Group Take Data: Load successfully completed.

A.2.2.4   Load Line Loss Factor Class Data

%s: Invalid file footer record.

%s: Invalid file header record.

%s: Line Loss Factor Data missing for Class %ld.

%s: Load failed with status %d.

%s: Load of %s failed with status %d.

%s: Load of %s started

%s: Load of %s successfully completed with exceptions.

%s: Load of %s successfully completed.

%s: Load successfully completed with exceptions.

%s: Load successfully completed.

%s: No of period expected %d does not match no found %d.

%s: Unable to open file id %ld

%s: Class %ld not active.

%s: Class %ld not active.

%s: Class %ld not effective for settlement date or not found.

A.2.2.5   Load Profiles

Load of %s successfully completed with exceptions.

Load Profile Data: Load of %s failed with status %d.

Load Profile Data: Load of %s started.

Load Profile Data: Load of %s successfully completed.

A.2.2.6   Load Domain Data

Load Teleswitch Pool Market Domain data: Load failed with status %d.

Load Teleswitch Pool Market Domain data: Load of %s failed with status %d.

Load Teleswitch Pool Market Domain Data: Load of %s started.

Load Teleswitch Pool Market Domain data: Load of %s successfully completed with exceptions.

Load Teleswitch Pool Market Domain data: Load of %s successfully completed.

Load Teleswitch Pool Market Domain Data: Load started.

Load Teleswitch Pool Market Domain data: Load successfully completed with exceptions.

Load Teleswitch Pool Market Domain data: Load successfully completed.

A.2.2.7   Load Regression Equation Data

Load of %s successfully completed.

Load Regression Equation Data: Load of %s failed with status %d.

Load Regression Equation Data: Load of %s started.

Load Regression Equation Data: Load of %s successfully completed with exceptions.

Load Regression Equation Data: Load of %s successfully completed.

A.2.2.8   Load Settlement Price Data

Load Settlement Price Data: Load failed with status %d.

Load Settlement Price Data: Load of %s failed with status %d.

Load Settlement Price Data: Load of %s started.

Load Settlement Price Data: Load of %s successfully completed with exceptions.

Load Settlement Price Data: Load of %s successfully completed.

Load Settlement Price Data: Load started.

Load Settlement Price Data: Load successfully completed with exceptions.

Load Settlement Price Data: Load successfully completed.

A.2.2.9   Load Sunset Data

Load Sunset Data: Load of %s failed with status %d.

Load Sunset Data: Load of %s started.

Load Sunset Data: Load of %s successfully completed with exceptions.

Load Sunset Data: Load of %s successfully completed.

A.2.2.10   Load Supplier Purchase Matrix Data

Load Supplier Purchase Matrix Data: Load failed with status %d.

Load Supplier Purchase Matrix Data: Load of %s failed with status %d.

Load Supplier Purchase Matrix Data: Load of %s started.

Load Supplier Purchase Matrix Data: Load of %s successfully completed.

Load Supplier Purchase Matrix Data: Load of %s successfully completed with exceptions.

Load Supplier Purchase Matrix Data: Load started.

Load Supplier Purchase Matrix Data: Load successfully completed with exceptions.

Load Supplier Purchase Matrix Data: Load successfully completed.

Record %d, SCC Type changed for SSC id: %s. This may cause any SSR re-runs to produce different results.

A.2.2.11   Load Tele-switch Contact Switching Times

Load Tele-switch Contact Switching Times Data: Load of %s completed with status %d.

Load Tele-switch Contact Switching Times Data: Load of %s started.

Tele-switch Contact Interval Data file Collection: Collected %s successfully.

Tele-switch Contact Interval Data file Collection: Collecting %s

Tele-switch Contact Interval Data file Collection: Error: bad date format

Tele-switch Contact Interval Data file Collection: Error: Cannot find an appropriate input directory (from db: "") to receive %s.

Tele-switch Contact Interval Data file Collection: Error: Format error in file %s.

Tele-switch Contact Interval Data file Collection: Error: FTP failed, see e-mail sent to SVAA 2nd line %s

Tele-switch Contact Interval Data file Collection: Error: timeout of FTP get for %s after 60 seconds.

Tele-switch Contact Interval Data file Collection: Error: %s already awaiting receipt in /home/users/svaport/runtime/in/new.

Tele-switch Contact Interval Data file Polling: Error: FTP failed, see e-mail sent to SVAA 2nd line %s.

Tele-switch Contact Interval Data file Polling: Error: timeout of FTP directory listing after 60 seconds.

A.2.2.12   Load Settlement Calendar Data

Load of settlement Calendar: Load of %d started

Load of settlement Calendar: Load of %d completed with status %s

A.2.2.13   Load Market Domain Data Complete Set

Load of Market Domain Data Complete Set: Load of %d started

Load Market Domain Data Complete Set: Load of %d completed with status %s

A.2.2.14   Load BM Unit Registration Data

Load BM Unit Registration Data: Load started.

Load BM Unit Registration Data: Load of %s started.

Load BM Unit Registration Data: Load successfully completed.

Load BM Unit Registration Data: Load successfully completed with exceptions

Load BM Unit Registration Data: Load failed with status %d.

Load BM Unit Registration Data: Load of %s successfully completed.

Load BM Unit Registration Data: Load of %s successfully completed with exceptions

Load BM Unit Registration Data: Load of %s failed with status %d.

A.2.2.15   Load Line Loss Factor/Standard Settlement Mapping Data

Load LLF/SSC Mapping Data: Load failed with status %d.

Load LLF/SSC Mapping Data: Load of %s failed with status %d.

Load LLF/SSC Mapping Data: Load of %s started.

Load LLF/SSC Mapping Data: Load of %s successfully completed.

Load LLF/SSC Mapping Data: Load of %s successfully completed with exceptions.

Load LLF/SSC Mapping Data: Load started.

Load LLF/SSC Mapping Data: Load successfully completed with exceptions.

Load LLF/SSC Mapping Data: Load successfully completed.

A2.2.16   Load Disconnection Purchase Matrix Data

Load Disconnection Purchase Matrix Data: Load failed with status %d.

Load Disconnection Purchase Matrix Data: Load of %s failed with status %d.

Load Disconnection Purchase Matrix Data: Load of %s started.

Load Disconnection Purchase Matrix Data: Load of %s successfully completed.

Load Disconnection Purchase Matrix Data: Load of %s successfully completed with exceptions.

Load Disconnection Purchase Matrix Data: Load started.

Load Disconnection Purchase Matrix Data: Load successfully completed with exceptions.

Load Disconnection Purchase Matrix Data: Load successfully completed.

Record %d, SCC Type changed for SSC id: %s. This may cause any SSR re-runs to produce different results.

A2.2.17   Load Aggregated Half Hourly Disconnection Data

Load Aggregated Half Hourly Disconnection Data: Load failed with status %d.

Load Aggregated Half Hourly Disconnection Data: Load of %s failed with status %d.

Load Aggregated Half Hourly Disconnection Data: Load of %s started.

Load Aggregated Half Hourly Disconnection Data: Load of %s successfully completed.

Load Aggregated Half Hourly Disconnection Data: Load of %s successfully completed with exceptions.

Load Aggregated Half Hourly Disconnection Data: Load started.

Load Aggregated Half Hourly Disconnection Data: Load successfully completed with exceptions.

Load Aggregated Half Hourly Disconnection Data: Load successfully completed.

A.2.2.18   Load BM Unit Aggregated Half Hour Disconnection Data

Load BM Unit Aggregated Half Hourly Disconnection Data: Load failed with status %d.

Load BM Unit Aggregated Half Hourly Disconnection Data: Load of %s failed with status %d.

Load BM Unit Aggregated Half Hourly Disconnection Data: Load of %s started.

Load BM Unit Aggregated Half Hourly Disconnection Data: Load of %s successfully completed.

Load BM Unit Aggregated Half Hourly Disconnection Data: Load of %s successfully completed with exceptions.

Load BM Unit Aggregated Half Hourly Disconnection Data: Load started.

Load BM Unit Aggregated Half Hourly Disconnection Data: Load successfully completed with exceptions.

Load BM Unit Aggregated Half Hourly Disconnection Data: Load successfully completed.

A.2.2.19   Load Demand Control Event Data

Load Demand Control Event Data: Load failed with status %d.

Load Demand Control Event Data: Load of %s failed with status %d.

Load Demand Control Event Data: Load of %s started.

Load Demand Control Event Data: Load of %s successfully completed.

Load Demand Control Event Data: Load of %s successfully completed with exceptions.

Load Demand Control Event Data: Load started.

Load Demand Control Event Data: Load successfully completed with exceptions.

Load Demand Control Event Data: Load successfully completed.

A.2.2.20   Load Demand Control Instructions Data

Load Demand Control Instructions Data: Load failed with status %d.

Load Demand Control Instructions Data: Load of %s failed with status %d.

Load Demand Control Instructions Data: Load of %s started.

Load Demand Control Instructions Data: Load of %s successfully completed.

Load Demand Control Instructions Data: Load of %s successfully completed with exceptions.

Load Demand Control Instructions Data: Load started.

Load Demand Control Instructions Data: Load successfully completed with exceptions.

Load Demand Control Instructions Data: Load successfully completed.

A.2.2.21   Load Disconnected MSIDs and Estimated Half Hourly Demand Disconnection Volumes Data

Load Disconnected MSIDs and Estimated Half Hourly Demand Disconnection Volumes Data: Load failed with status %d.

Load Disconnected MSIDs and Estimated Half Hourly Demand Disconnection Volumes Data: Load of %s failed with status %d.

Load Disconnected MSIDs and Estimated Half Hourly Demand

Disconnection Volumes Data: Load of %s started.

Load Disconnected MSIDs and Estimated Half Hourly Demand Disconnection Volumes Data: Load of %s successfully completed.

Load Disconnected MSIDs and Estimated Half Hourly Demand Disconnection Volumes Data: Load of %s successfully completed with exceptions.

Load Disconnected MSIDs and Estimated Half Hourly Demand Disconnection Volumes Data: Load started.

Load Disconnected MSIDs and Estimated Half Hourly Demand Disconnection Volumes Data: Load successfully completed with exceptions.

Load Disconnected MSIDs and Estimated Half Hourly Demand Disconnection Volumes Data: Load successfully completed.

A.2.3   Reports

%s: %s, SQLCODE %ld, %s.

%s: Produce Audit Report %s completed with status %d.

%s: Produce Audit Report %s started

%s: Produce Audit Report completed with status %d.

%s: Produce Standing Data Audit Report %s completed successfully

%s: Produce Standing Data Audit Report %s failed with status %d

%s: Produce Standing Data Audit Report %s started

%s: Produce Standing Data Audit Report completed successfully

%s: Produce Standing Data Audit Report failed with status %d

%s: Unable to close file id %ld *

%s: Unable to create Audit Report File. *

%s: Unable to create Standing Data Audit Report File *

%s: Unable to open file id %ld *

IRP_PROF_EXTRACT for dates %s -> %s, mkt_ppt_id %s, gsp_group %s started at %s

IRP_PROF_EXTRACT for dates %s -> %s, mkt_ppt_id %s, gsp_group %s completed successfully at %s

IRP_PROF_EXTRACT for dates %s -> %s, mkt_ppt_id %s, gsp_group %s failed at %s

A.2.4   SSR Run

SSR Run for Settlement Date %s, Code %s started by %s.

SSR Run for Settlement Date %s, Code %s completed with status of %s

A.2.5   Archive and Restore

Archive started by %s.

From settlement date: %s

To settlement date: %s

ISRA version: %s

Oracle version: %s

Operating System version: %s

Restore started by %s.

From settlement date: %s

To settlement date: %s

Archiving not initiated.

The Data Retention Period system parameter is set to an illegal value (a period of less than 24 months).

Archive aborted due to an error condition. See Error Log for details.

Archive completed successfully.

The corresponding archive exception report is %s.

Restore aborted due to an error condition. See Error Log for details.

Restore aborted: Invalid tape drive %s entered.

Restore completed.

A.3   Exception Report Messages

Unless otherwise stated, these are errors where appropriate further explanation and possible corrective actions are specified under the message.

A.3.1   SSR Run Data Aggregation Data Validation

Unexpected %s data file from DA(%s) for Settlement Date(%s), GSP Group(%s)

> Warning – run continues

No data for Supplier(%s) in %s data file from DA(%s) for Settlement Date(%s), Settlement Code(%s), GSP Group(%s), Aggregation Run(%d)

> Error – request new Data Aggregator file or amend Standing Data

Unexpected data for Supplier(%s) in %s data file from DA(%s) for Settlement Date(%s), Settlement Code(%s), GSP Group(%s), Aggregation Run(%d)

> Error – request new Data Aggregator file or amend Standing Data

A.3.2   SSR Run

An error has occurred during SSR Run – see Error Log for details

Failure to submit SSR Run Gsp Group process *

GSP Group %s: Allocation of spillage to Supplier %s within period %s has led to Supplier having a negative Period Supplier Deemed Take. Deemed Take:%.9lf, Total Spill:%.9lf, Weighted Consumption(TGT):%.9lf.

GSP Group %s: An error has occurred during SSR Run- see Error Log for details

GSP Group %s: An Oracle error has occurred – see Error Log for details *

GSP Group %s: Cannot profile data for supplier %s due to missing period profile class coefficients

GSP Group %s: Cannot resolve spillage as total spill of %.4lf exceeds total weighted consumption of %.4lf

GSP Group %s: Cannot resolve spillage for Supplier %s within settlement period %s as total weighted consumption is zero. Unadjusted Supplier Deemed Take:%.9lf, Total Spillage:%.9lf.

GSP Group %s Distributor %s: Default line loss factor of %d used for settlement period %s of class %d

> Warning – run continues.

GSP Group %s: Discrepancy in daily GSP Group purchases of %.2lf and SSA daily GSP Group purchases of %.2lf

> Warning – shown at end of run.

GSP Group %s: Failed to generate GSP Group Correction Factor in period %s. All consumption component classes for which non-zero values have been registered have a GSP Group Correction Scaling Factor of zero.

> Error – amend GSP Group Correction Scaling Factor using ISRA form and re-run.

GSP Group %s: Failed to generate GSP Group Correction Factor in period %s, because Non Half-Hourly Consumption is zero.

> Error – Check supplied SPM data.

GSP Group %s: GSP Group correction factor of %f for settlement period %s is outside the range of %f and %f

> Error – amend GSP Group Correction Scaling Factor or range using ISRA forms.

GSP Group %s: Half-hourly data from data aggregator %s excluded from SSR run

> Warning – run continues.

GSP Group %s: Line loss factors used for line loss factor class %d which is inactive

GSP Group %s Distributor %s: Line loss factors used for line loss factor class %d which is no longer effective

> Warning – run continues.

GSP Group %s: Missing period profile class coefficient for profile class

%d, SSC %s, TPR %s; non half-hourly data with Distributor/LLFC %s/%d for supplier %s discarded

> Warning – run continues.

GSP Group %s: Substitute half-hourly data from data aggregator %s, aggregation run number %d, for settlement date %s, code %s being used for SSR Run

> Warning.

GSP Group %s: Substitute non half-hourly data from data aggregator %s, aggregation run number %d, for settlement date %s, code %s being used for SSR Run

> Warning.

GSP Group %s: Total NPG spill of %f for settlement period %s is outside the range of %f and %f

> Error – amend data or range using ISRA forms.

More than one single Default BM Unit defined for Supplier / GSP Group combination of %s/%s on Settlement Date %s.

> Error – delete incorrect Default BM Unit.

No data for Supplier(%s) in default %s data file from DA(%s) for Settlement Date(%s), Settlement Code(%s), GSP Group(%s), Aggregation Run(%d)

> Warning

SSR Run aborted due to invalid run status *

Unable to find a Default BM Unit defined for Supplier / GSP Group combination of %s/%s on Settlement Date %s. Energy values excluded from SSR Run.

> Warning

Unexpected data for Supplier(%s) in default %s data file from DA(%s) for Settlement Date(%s), Settlement Code(%s), GSP Group(%s), Aggregation Run(%d)

> Warning

Unexpected %s data file from DA(%s) for Settlement Date(%s), GSP Group(%s) will not be used in SSR Run

> Warning

BM Unit %s not defined for Supplier/GSP Group %s/%s or any Supplier/GSP Group combination on any Settlement Date, energy values allocated to Default BM Unit.

> Warning

BM Unit %s only defined for Supplier/GSP Group combination of %s/%s on a date other than Settlement Date %s, energy values allocated to Default BM Unit.

Warning

BM Unit %s only defined for a Supplier/GSP Group combination other than %s/%s on Settlement Date %s, energy values allocated to Default BM Unit.

Warning

BM Unit %s not defined for Supplier/GSP Group %s/%s or any Supplier/GSP Group combination on any Settlement Date. No Default BM Unit found, energy values excluded from SSR Run.

Warning

BM Unit %s only defined for Supplier/GSP Group combination of %s/%s on a date other than Settlement Date %s. No Default BM Unit found, energy values excluded from SSR Run.

Warning

BM Unit %s only defined for a Supplier/GSP Group combination other than %s/%s on Settlement Date %s. No Default BM Unit found, energy values excluded from SSR Run.

Warning

Multiple ISRA flat file roots defined for Settlement Date %s, using default system parameter instead.

Warning

Invalid GSP Group/Distributor relationship detected: GSP Group %s Distributor %s: Default Line loss factor of %d used for settlement period %s of class %d.

Warning

A.3.3 Profile Production

Array boundary for array %s exceeded. Attempted accessing %d, maximum permitted is %d. Possible database data integrity violation.

(Date %s Mkt_ppt %s GSP %s) No %s => no %s record written

(Date %s Mkt_ppt %s GSP %s) No matching pfl_production_run in database

(GSP group %s) A %s Coefficient value has been calculated as %.13f and is out of range. It should be between %.13f and %.13f.

(GSP group %s) Could not chunk this vmrpc

(GSP group %s) Could not count number of on-periods

System Parameter value not found, or value is out of 1-50 range.

(GSP group %s) Could not find any regression coefficients for pfl_class_id %d, pfl_id %d

Load Regression Equations for appropriate Profile Class/Profiles combination.

(GSP group %s) Could not find basic period profile coefficients for a

profile with %d periods in Profile Class %d

> Insert a Profile with the correct number of Periods, and ensure that GSP Group Average EACs and Regression Equations exist on the Settlement Date.

(GSP group %s) Could not find basic period profile coefficients for the base-load profile in non-switched-load Profile Class %d

> Insert a base load Profile and ensure that Period Profile Coefficients and GSP Group Average EACs exist.

(GSP group %s) No GSP group average EAC could be found for %s

> Load Regression Equation data.

(GSP group %s) No non-switched-load profile coefficients found

> Insert some non-switched load profiles using the ISRA forms or load Profile data.

(GSP group %s) No off-periods for pfl_class_id %d, ssc_id %s in day. Ignoring this VSCPC

> Amend clock or tele-switch intervals using ISRA forms.

(GSP group %s) No Regression Equations / GSP Group Average EAC loaded for Sett_ds loaded for Settlement Date %s

> Load Regression Equation data.

(GSP group %s) No sunset data has been loaded for Settlement Date %s. Cannot continue

> Load Sunset data.

(GSP group %s) No time-pattern states in file

> Insert some active Time Pattern Regimes.

(GSP group %s) None of the Time Pattern Regimes associated with the switched-load Measurement Requirements for Profile Class %d, SSC %s are "on" during this settlement day

> Amend clock or tele-switch intervals using ISRA forms.

(GSP group %s) Old %s file has now been removed.

> Warning.

(GSP group %s) Oracle error selecting periods around midnight from cdb_system_parameter. Error %d

(GSP group %s) The Noon Effective Temperature for date %s is blank. Cannot continue

> Use the Maintain Temperatures form to generate a Noon Effective Temperature for the specified date.

(GSP group %s) The periods around midnight value of %ld defined in cdb_system_parameter is not in the range 0 to 50

> Amend the value using the Maintain System Parameters form.

(Date %s Mkt_ppt %s GSP %s) %s file not found *

(Date %s Mkt_ppt %s GSP %s) Could not create %s file *

(Date %s Mkt_ppt %s GSP %s) Could not delete %s file *

(Date %s Mkt_ppt %s GSP %s) Could not write a field to %s file *

(Date %s Mkt_ppt %s GSP %s) Error in reading file %s *

(Date %s Mkt_ppt %s GSP %s) Header of file %s could not be extracted *

(Date %s Mkt_ppt %s GSP %s) Oracle error selecting from %s. Error %d *

(Date %s Mkt_ppt %s GSP %s) Unable to allocate memory for %s *

(Date %s Mkt_ppt %s GSP %s) Could not write footer to %s file *

(Date %s Mkt_ppt %s GSP %s) Could not write header to %s file *

(Date %s Mkt_ppt %s GSP %s) Error in closing file %s *

(Date %s Mkt_ppt %s GSP %s) Error in exporting file id %f *

(Date %s Mkt_ppt %s GSP %s) Error in opening file %s *

(GSP group %s) Basic Period Profile Coefficient for Profile Class %d, Profile %d, Settlement Date %s, Settlement Period %d has been calculated as %.13f. Setting it to 0

(GSP group %s) Cannot calculate basic period profile coefficients *

(GSP group %s) Cannot calculate switched-load profile *

(GSP group %s) Could not calculate combined pd pfl coeffs *

(GSP group %s) Could not create %s file *

(GSP group %s) Could not delete %s file *

(GSP group %s) Could not find number of records for file, id %d. Oracle error %d *

(GSP group %s) Could not find switched-load profile with pfl_sett_pds %d *

(GSP group %s) Could not find time-pattern state with tpr_id %s *

(GSP group %s) Could not write a field to %s file *

(GSP group %s) Could not write a new record to %s file *

(GSP group %s) Could not write a record to %s file *

(GSP group %s) Could not write header to %s file *

(GSP group %s) Error in closing file %s *

(GSP group %s) Error in opening file %s *

(GSP group %s) Error in reading file %s *

(GSP group %s) Header of file %s could not be extracted *

(GSP group %s) Oracle error closing cursor %s. Error %d *

(GSP group %s) Oracle error fetching cursor %s. Error %d *

(GSP group %s) Oracle error in selecting %s from %s. Error %d *

(GSP group %s) Oracle error opening cursor %s. Error %d *

(GSP group %s) Oracle error selecting from %s. %s. Error %d *

(GSP group %s) Oracle error selecting from %s. Error %d *

(GSP group %s) Oracle error selecting periods around midnight from cdb_system_parameter. Error %d *

(GSP group %s) Oracle error selecting record for %s from idb_daily_pfl_parameters. Error %d *

(GSP group %s) Oracle error selecting record for %s from idb_settlement_days. Error %d *

(GSP group %s) Unable to allocate memory for %s *

(GSP group %s) Unable to convert 1800GMT to local time *

(GSP group %s) Unable to initialise settlement day info *

(GSP Group %s) Unknown GSP Group.

(Pfl prod run %d) %s file not found *

(Pfl prod run %d) A maximum of 20 gsp groups are allowed per mkt_ppt_id *

(Pfl prod run %d) Could not create %s file *

(Pfl prod run %d) Could not delete %s file *

(Pfl prod run %d) Could not write a field to %s file *

(Pfl prod run %d) Could not write footer to %s file *

(Pfl prod run %d) Could not write header to %s file *

(Pfl prod run %d) Error in closing file %s *

(Pfl prod run %d) Error in exporting file id %f *

(Pfl prod run %d) Error in opening file %s *

(Pfl prod run %d) Error in reading file %s *

(Pfl prod run %d) Header of file %s could not be extracted *

(Pfl prod run %d) Ignoring mkt_ppt_id %s as not responsible for any selected GSP groups *

(Pfl prod run %d) No %s => no %s record written *

(Pfl prod run %d) No pd_pfl_class_coeff record found with pfl_class_id %d, ssc_id %s, tpr_id %s *

(Pfl prod run %d) No pd_time_pattern_state record found with tpr_id %s

(Pfl prod run %d) Oracle error closing cursor %s. Error %d *

(Pfl prod run %d) Oracle error fetching cursor %s. Error %d *

(Pfl prod run %d) Oracle error opening cursor %s. Error %d *

(Pfl prod run %d) Oracle error selecting from %s. Error %d *

(Pfl prod run %d) Unable to allocate memory for %s *

(Pfl prod run %d) Unable to find basic_pd_pfl_coeff record with pfl_class_id %d, pfl_id %d *

Multiple ISRA flat file roots defined for Settlement Date %s, using default system parameter instead.

Scottish Regression Coefficients for Scottish GSP Group %s is being used.

A.3.4 Data Loading

A.3.4.1 Load Aggregated HH Data / Load BM Unit Aggregated HH Data

No data provided for Supplier %s in data file from Data Aggregator %s for GSP group %s, standing data update not allowed

Record %d, Aggregation data from Data Aggregator %s with Aggregation Run Number %d has either been loaded for a different Settlement Date/Code to %s/%s, or for this Settlement Date/Code and GSP Group %s combination.

Aggregated Half Hourly data file received from unexpected Data Aggregator %s for GSP Group %s, standing data update not allowed

Record %d, No Data Aggregator/GSP Group association for Supplier %s, Data Aggregator %s and GSP Group %s, standing data update not allowed

Record %d, An SSR run has been completed for Settlement Date %s, Settlement Code %s

Record %d, Duplicate aggregate supplier data for period %d

Record %d, Incorrect number of Settlement Periods %d

> File problem or clock change missing.

Record %d, Invalid Consumption Component Class, ccc id %d

Record %d, Invalid Line Loss Factor Class, dist id %s

Record %d, Invalid combination of dist id %s

> File problem.

Record %d, Invalid Consumption Component Class measurement quantity id value %s instead of AI or AE.

Record %d, %s value %d out of range %d to %d[7]

Record %d, No settlement calendar entry can be found for Settlement Date %s, Settlement Code %s

> Set up the Settlement Calendar entry and repeat the load (as the Settlement Calendar is set up well in advance, this message is

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[7] Note that a NULL value will be reported as '-1'.

unlikely to occur)

Record %d: Error in record type. Expected record type: %s.

BM Unit Aggregated Half-Hour data cannot be loaded for Settlement Day %s, which is before the start of NETA.

Record %d, No Default BM Unit defined for combination of GSP Group %s and Supplier %s for Settlement Day %s.

Record %d, More than 1 Default BM Unit defined for combination of GSP Group %s and Supplier %s for Settlement Day %s.

Record %d, BM Unit %s is not valid for GSP Group %s and Supplier %s on Settlement Day %s - GSP Group %s and Supplier %s expected.

Record %d, BM Unit %s is not valid for any combinations of GSP Group and Supplier on Settlement Day %s.

Record %d, BM Unit %s has multiple GSP Group and Supplier combinations defined for Settlement Day %s - only 1 allowed.

Multiple ISRA flat file roots defined for Settlement Date %s, using default system parameter instead.

Record %d, Cannot load Scottish GSP Group %s for Settlement Date %s before BETTA.

A.3.4.2   Load Line Loss Factor Class Data

Distributor %s in ZHD field does not match Distributor %s in DIS field.

> Error - file not loaded.

Line Loss Factor Class %ld missing for Settlement Date %s from data file.

> Warning - file still loaded.

Line Loss Factor for Class %ld, Settlement Date %s, period %d missing from data file.

> Warning - file still loaded.

Record %d, Line Loss Factor Class NOT active.

> Warning - data in file loaded excluding records associated with the Class.

Record %d, Line Loss Factor Class %d, Distributor %s is not effective for the Settlement Date %s

Record %d, Line Loss Factor Class not valid for this Distributor or Factor outside of Class effective date range.

> Warning - file still loaded excluding records associated with warning.

Record %d, Line Loss Factor data is same or earlier version than that previously loaded

> File cannot be loaded due to file creation timestamp.

Record %d, Line Loss Factor value of %.3f for Class %d, date %s, period %d is outside range %.3f to %.3f

Error - file not loaded.

Record %d, Distributor %s not known.

Error - request new file from originator or set up Distributor using Market Participants form.

A.3.4.3   Load Tele-switch Pool Market Domain Data

Record %d, AFYC value %.6f is outside the range %.6f to %.6f

Record %d, Average Fractions of Yearly Consumption for VSCPC: Profile Class %d, SSC %s, GSP Group %s, Effective From Date %s do not sum to 1

Record %d, Clock Interval dates %d/%d - %d/%d are invalid

Record %d, Clock Interval Day of Week field has value %d. This is invalid

Record %d, Effective d Effective To Date of new AFYCS data for Profile Class %d SSC %s

TPR %s GSP Group %s Effective Date %s is either earlier than existing data or it overlaps an existing set.

Record %d, Effective To date is before the Effective From date

Record %d, Final initial settlement Initial Settlement Run has already taken place for VSCPC %s / %d.

Record %d, Final Initial Settlement Run has already taken place for SSC %s.

Record %d, Final Initial Settlement Run has already taken place for Measurement Requirement - SSC %s TPR %s.

Record %d, Final Initial Settlement Run has already taken place for VMR Profile Class - SSC %s Profile Class %d TPR %s

Record %d, Final Initial Settlement Run has already taken place for AFYC Details - Profile Class %d SSC %s; GSP Group % TPR %s

Record %d, Final Initial Settlement Run has already taken place for Time Pattern Regime details %s

Record %d, Final Initial Settlement Run has already taken place for Tele-switch Contact Rule - Register Rule %s, Contact Code %s, Contact Rule %s

Record %d, Final Initial Settlement Run has already taken place for Clock Interval - day of week %s, start day %s, start month %s, start time %s, end day %s, end month %s, end time %

Record %d, Invalid record sequence in data file.

Record %d, cannot change Tele-switch User/Group for SSC %s as MR requires Tele-switch User/Group for TPR %s to have same combination.

Record %d, Profile Class %d unknown.

Record %d, Switched Load Indicator is not set for any Measurement Requirement for Switched Load VSCPC: Profile Class %d SSC %s

Record %d, Switched Load Indicator is set for one or more Measurement Requirements for non-Switched Load VSCPC: Profile Class %d SSC %s

Record %d, Time Pattern Regime %s has an invalid GMT/Local Time indicator.

Record %d, Time Pattern Regime %s is not in the file or in the ISRA system database

Record %d, Tele-switch Switch Id Time Pattern Regime Type field has value %s. This is invalid

Record %d, There are no Contact-Register switching rules defined for Time Pattern Regime %s.

Record %d, Time Pattern Regimes for SSC %s have inconsistent GMT/ local time indicators.

Record %d, Tele-switch User Id %d and Tele-switch Group Id %d for TPR %s do not match those for SSC %s with Tele-switch User Id %d and Tele-switch Group Id %d.

Record %d, Tele-switch User Id value %.6f is outside the range %.6f to %.6f

Record %d, Tele-switch Group Id value %.6f is outside the range %.6f to %.6f

Record %d, Duplicate Register Rule Id %d and Tele-switch Contact code %s combinations exist for TPR %s

File does not contain a Valid Measurement Requirement Profile Class for every TPR associated with SSC %s.

File does not contain a valid set of AFYCs for Valid Settlement Configuration Profile Class - SSC %s Profile Class %d Effective From Date %s.

Record %d, TPR type update is prohibited for TPR %s

Record %d, Duplicate record type %s details found in file

Record %d, Tele-switch Register Rule must be in the range 1-9.

Exception Report Warnings:

Record %d, Unrecognised record type %s found.

Record %d, AFYC value %.6f being updated to %.6f for AFYC Set - SSC %s Profile Class %d TPR %s, GSP Group %s, Effective From Date %s.

Record %d, Switched Load Indicator %s being updated to %s for Valid Measurement Requirement Profile Class - Profile Class %d SSC %s TPR %s

Record %d, Effective To Date %s being updated to %s for Valid

Settlement Configuration Profile Class - Profile Class %d SSC %s Effective From Date %s

Record %d, Teleswitch User Id %d and Group %d being updated to Tele-switch User Id %d and Group %d for SSC %s

Record %d, Teleswitch User Id %d and Group %d being updated to Tele-switch User Id %d and Group %d for TPR %s

Record %d, GMT Indicator %s being updated to %s for TPR %s

Record %d, Tele-switch Contact Rule %s being updated to %s for TPR %s, Tele-switch Register Rule %s, Contact Code %s

Record %d, SSC %s Description %s being updated to %s

AFYC Details: %d rows inserted, %d rows updated

Switched Load Measurement Requirement Details: %d rows inserted, %d rows updated

VSCPC Details: %d rows inserted, %d rows updated

Measurement Requirements: %d rows inserted

Standard Settlement Configuration Details: %d rows inserted, %d rows updated

Time Pattern Regime Details: %d rows inserted, %d rows updated

Tele-switch Contact Rule: %d rows inserted, %d rows updated

Clock Interval: %d rows inserted

Record %d, AFYC Set Effective To Date %s being updated to %s for AFYC set - SSC %s, Profile Class %d, GSP Group %s, Effective From Date %s.

Average Fraction of Yearly Consumption Details for Profile Class %d SSC %s TPR %s GSP Group %s Effective Date %s exists in the ISRA system database but is missing from file.

Clock Interval details day of week %s, start day %s, start month %s, start time %s, end day %s, end month %s, end time %s for TPR %s exist in the ISRA system database but are missing from the file

Measurement Requirement - SSC %s TPR %s exists on the ISRA system database but is missing from file.

Standard Settlement Configuration %s exists in ISRA system database but is missing from file.

Time Pattern Regime details for TPR %s exist in ISRA system database but do not appear in file.

Record %d,VMR Profile Class entity pfl_class: %d, ssc: %s, tpr: %s does not exist.

exists in the ISRA system database but is missing from file.

VSCPC - SSC %s, Profile Class %d, Effective From Settlement Date %s exists in the ISRA system database but is missing from file

Tele-switch Contact Rule details - Register Rule %d Contact Code %s for TPR %s exist on the ISRA system database but are missing from file.

Record %d, Average Fraction of Yearly Consumption Details for Profile Class %d SSC %s GSP Group %s Effective Date %s may produce a gap between effective dates for AFYCs

Record %d, Average Fraction of Yearly Consumption Details for Profile Class %d SSC %s GSP Group %s Effective Date %s has left a Non-Half Hourly BM Unit Allocation without complete AFYC coverage.

A.3.4.4   Load Profile Data

Record %d, attempted to load Switched Load Profile Class Indicator with %s - rather than Y or N

    Request new file from originator.

Record %d, File Creation Timestamp of this file is earlier than the latest successfully loaded file

Record %d, Profile %d for non-Switched Load Profile Class %d - existing Profile has 48 Settlement Periods

    Request new file from originator or amend data using ISRA forms.

Record %d, Profile %d for non-Switched Load Profile Class %d has %d Settlement Periods, not 48

    Request new file from originator.

Record %d, Profile %d for Switched Load Profile Class %d - existing Profile already has 48 Settlement Periods

    Request new file from originator or amend data using ISRA forms.

Record %d, Profile %ld for Switched Load Profile Class already exists

    From date of existing Profile contradicts one on database. Request new file from originator or amend data using ISRA forms.

Record %d, Profile %ld, Profile Class %ld has %d Settlement Periods which should be in the range 1 - 48

    Request new file from originator.

Record %d, Profile Class Id field too big. Should be a maximum of 2 characters

Record %d, Profile Class %ld unknown

    Request new file from originator or amend data using ISRA forms.

Record %d, Settlement Period Number %d is invalid for Profile %d Profile Class %d. It must be between 1 and %d

Record %d, update of Switched Load Profile Class Indicator not possible - Profile already exist for Profile Class %ld

    Request new file from originator.

Switched Profile Class %ld is missing a profile with 48 periods.

Create a Profile Class, using ISRA forms, or load Profiles, with both 48 and one non-48 profiles.

Switched Profile Class %ld only has a profile with 48 periods

Create a Profile Class, using ISRA forms, or load Profiles, with both 48 and one non-48 profiles.

A.3.4.5   Load Regression Equation Data

File creation Timestamp of this file is earlier than the latest successfully loaded file

Record %d, Day Type %s unknown

Request new file from originator

Record %d, Effective Date %s of Profile Set falls outside of Effective Period %s - %s for Profile Class %d Profile %d

Amend date using ISRA forms or request new file from originator.

Record %d, Profile Class %d Profile %d unknown

Request new file from originator or amend data using ISRA forms.

Record %d, Profile Class %d unknown

Request new file from originator or amend data using ISRA forms.

Record %d, Regression Coefficient Type %d unknown

Request new file from originator.

Record %d, Regression Coefficients for Profile %d, Profile Class %d, Effective From Date %s do not include data for every Settlement Period

Request new file from originator.

Record %d, Regression Coefficients for Profile %d, Profile Class %d, Effective From Date %s are not included for every coefficient type

Request new file from originator.

A.3.4.6   Load Settlement Price Data

Record %d, Settlement Price Data is same or earlier version than previously loaded

File cannot be loaded as data from a later run has already been loaded.

Unable to process file for Settlement Date %s as this file type is not valid after the NETA Start Date.

A.3.4.7   Load Sunset Data

Record %d, error reading GSP Group id %s

File contains data in wrong format - request new file from originator.

Record %d, error reading Settlement date %4d%02d%02d

File contains data in wrong format - request new file from originator.

Record %d, error reading time of Sunset %02d%02d

> File contains data in wrong format - request new file from originator.

Record %d, failure to INSERT INTO idb_daily_pfl_parameters Oracle error code %d %.*s *

Record %d, failure to update idb_daily_pfl_parameters Oracle error code %d %.*s *

A.3.4.8   Load Supplier Purchase Matrix Data

No data provided for Supplier %s in data file from Data Aggregator %s for GSP group %s, standing data update not allowed.

Record %d, Aggregation data from Data Aggregator %s with Aggregation Run Number %d has either been loaded for a different Settlement Date/Code to %s/%s, or for this Settlement Date/Code and GSP Group %s combination.[8]

Supplier Purchase Matrix data file received from unexpected Data Aggregator %s for GSP Group %s, standing data update not allowed

Record %d, No Data Aggregator/GSP Group association for Supplier %s, Data Aggregator %s and GSP Group %s, standing data update not allowed.

Record %d, No Data Aggregator/GSP Group association for Supplier %s, Data Aggregator %s and GSP Group %s, existing association extended to settlement day.

Record %d, An SSR run has been completed for Settlement Date %s, Settlement Code %s

Record %d, Distributor id %s is not assigned to GSP Group.

Request new file from originator or amend data using ISRA forms.

Record %d, Distributor/LLFC %s/%d unknown.

Request new file from originator or amend data using ISRA forms.

Record %d, Distributor %s Missing Settlement Period Line Loss Factor for LLFC %d.

Warning - file still loaded.

Record %d, No Data Aggregator/GSP Group association for GSP Group %s.

Record %d, No Supplier/GSP Group association for Supplier %s and GSP Group %s, existing association extended to settlement day

Record %d, No Supplier/GSP Group association for Supplier %s and GSP Group %s, association added on settlement day

Record %d, No settlement calendar entry can be found for Settlement

---

[8] This error may arise in the event of duplicate entries in a file. In this situation, the run number refers to that for the file being loaded.

Date %s, Settlement Code %s

Set up the Settlement Calendar entry and repeat the load (as the Settlement Calendar is set up well in advance, this message is unlikely to occur)

Record %d, Profile Class %d, SSC %s, TPR %s is an unknown Profile Class/Measurement Requirement combination.

Request new file from originator or amend data using ISRA forms.

Record %d, No Default BM Unit defined for combination of GSP Group %s and Supplier %s for Settlement Day %s.

Record %d, More than 1 Default BM Unit defined for combination of GSP Group %s and Supplier %s for Settlement Day %s.

Multiple ISRA flat file roots defined for Settlement Date %s, using default system parameter instead.

Record %d, Cannot load Scottish GSP Group %s for Settlement Date %s before BETTA.

Duplicate SPM records found for Supplier %s, LLFC %d, Distributor %s, SSC %s, TPR %s and PC %d

A.3.4.9   Load Tele-switch Contact Switching Times

There are no contact intervals defined for User %d, Group %d, data file rejected

Record %d, Final Initial Settlement has already taken place for date %s

Record %d, Interval %s overlaps existing interval for group %d contact %s

Record %d, Duplicate start time of HHMMSS for teleswitch date YYYYMMDD, user XX, group yyyy, contact code z.

Record %d, Tele-switch Contact Intervals defined for Group %d with no SSC linked

Record %d, Tele-switch Group Id value %.6f is outside range %.6f to %.6f

Record %d, Tele-switch User Id value %.6f is outside range %.6f to %.6f

A.3.4.10   Load Settlement Calendar Data

Record %d, Planned SSR Run Date %s is later than Payment Date %s for Settlement Date %s Settlement Code %s. Record rejected.

Record %d, Cannot update Settlement for Settlement Date %s Settlement Code %s as a corresponding SSR Run has already been performed. Record rejected.

Record %d, Cannot update Settlement for Settlement Date %s Settlement Code %s as corresponding SSA Data has already been loaded. Record rejected.

Record %d, Invalid Settlement Code %s for Settlement Date %s. Record

rejected.

Record %d, Payment Date %s outside range specified for file (%s - %s) for Settlement Date %s Settlement Code %s. Record rejected.

Record %d, Payment Date updated from %s to %s for Settlement Date %s Settlement Code %s.

Record %d, Planned SSR Run Date. updated from %s to %s for Settlement Date %s Settlement Code %s.

Total Number of Settlement records inserted: %d

Total Number of Settlement records updated: %d

A.3.4.11   Load Market Domain Data Complete Set

Record %d, Season Id %d being updated with value %d for Settlement Day %s

> Warning

Record %d, Day Type %s being updated with value %s for Settlement Day %s[9]

> Warning

Record %d, No GSP Group is assigned to Distributor %s for LLF Class %d

> Warning

Record %d, Effective To date %s being updated to value %s for LLF Class Id %d, Distributor %s, Effective From Date %s.

> Warning

Record %d, existing Settlement Period LLF falls outside effective period of LLF Class on update to Effective To date

> Warning

Record %d, LLF Class has a MS Specific Indicator %s and will not be loaded.

> Warning

Settlement Day records: %d rows inserted,

> %d rows updated.

> Warning

Line Loss Factor Class records: %d rows inserted, %d rows updated.

> Warning

Settlement Day Details for %s exist on the ISRA system database but are missing from file

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[9] Day Type updates are only applicable to E&W Day Types.

Warning

Line Loss Factor Class details for LLF Class id %d, Distributor id %s, Effective From Date %s exist on the ISRA system database but are missing from file

Warning

Record %d, Distributor Id %s does not exist on the system database

Warning

Record %d, LLF Class %d and Distributor Id %s Effective From Date %s combination in file overlaps existing combination in ISRA system database for Effective From date %s.

Error

Record %d, Market Participant Role Code %s is not a valid Distributor Role Code

Error

Record %d, Line Loss Factor Class Id %d is invalid.

Error

Record %d, MS Specific LLF Class Indicator %s is invalid.

Error

Record %d, Effective To date of LLF Class is before Effective From date

Error

Final Initial Settlement run has already taken place for LLF Class %d.

Error

Final Initial Settlement run has already taken place on %s for Season type %d and day type %s.

Error

Duplicate Record type %s found in file.

Error

A.3.4.12   BM Unit Registration Data

Record %d, Unable to perform update as a Non-Half Hourly BM Unit Allocation child record exists.

Error

BM Unit %s, GSP Group %s, Supplier %s, Effective From Settlement Date %s overlaps another instance of this BM Unit.

Error

BM Unit %s, GSP Group %s, Supplier %s, Effective From Settlement Date %s has a child Non-Half Hourly BM Unit Allocation with a greater effective date range.

Error

More than 1 Default BM Unit defined for combination of Supplier %s and GSP Group %s for Settlement Day %s.

>   Error

GSP Group %s has BM Units on database, but GSP Group is not in file.

>   Warning

GSP Group %s, Supplier %s has BM Units on database but combination is not in file.

>   Warning

BM Unit %s, GSP Group %s, Supplier %s, Effective From Settlement Date %s on database but not in file.

>   Warning

Record %d, Cannot load Scottish GSP Group %s for Settlement Date %s before BETTA.

>   Error

A.3.4.13   Load GSP Group Take

Unable to process file for Settlement Date %s as sending Market Participant defined as %s when %s was expected.

Dummy Settlement Period Price data has been inserted for Settlement Date %s as this date is after the NETA Start Date.

Record %d, Load Data is same or earlier version than that previously loaded.

Record %d, CDCS Number in file different to table value %d.

Record %d, Run Type Id in file different to table value of %s.

Record %d, incorrect number of Settlement Periods %d.

Record %d, Cannot load Scottish GSP Group %s for Settlement Date %s before BETTA.

A.3.4.14   Various Data Loads

Discrepancy in Period Purchase for GSP Group %s, Period %d. Calculated value %.3lf. Expected value %.3lf.

>   Warning - data still loaded.

ISRA Data Load Failed.

ISRA Data Load Validation Failed.

ISRA Settlement Prices Data load failed.*

Load affects Final Initial Settlement Run. Standing Data Audit Report produced detailing changes.[10]

---

[10] If this Warning is followed by an error message then Standing Data Audit Report will not be generated.

Warning.

ORA-01438: value larger than specified precision allows for this column

On data loads with numeric fields a range check is applied by the software. This message is shown if the range check is set larger than the extent of the field e.g. -9999 to 9999 for a field which can only support 3 digits.

Period Purchase validation failed for GSP GSP %s, Period %d. Discrepancy exceeded value of %.3lf.

Settlement Price/GSP Group Take inconsistent - request new file from originator.

Record %d, %s value %d out of range %.*f to %.*f

Record %d, %s value %d out of range %d to %d[11]

Record %d, CDCS Number in file different to table value %d.

Record %d, checksum invalid

Record %d, Discrepancy in Daily GSP Group Purchases for GSP Group %s. Calculated value %.3lf, Expected value %.3lf.

GSP Group Take/Settlement Prices exceeded system parameter threshold, so data cannot be used - request new file from originator.

Record %d, Discrepancy in Period Purchase for GSP Group %s, Period %d. Calculated value %.3lf. Expected value %.3lf.

GSP Group Take/Settlement Prices exceeded system parameter threshold, so data cannot be used - request new file from originator.

Error found in file format. Field: %s.

Record %d, failure to INSERT INTO %s, Oracle error code %d %s. *

Record %d, failure to update %s, Oracle error code %d %s. *

Record %d, File Creation Timestamp of this file is earlier than the latest successfully loaded file.

Record %d, GSP Group %s unknown

Request new file from originator or amend data using ISRA forms.

Record %d, incorrect number of Settlement Periods %d.

Request new file from originator or amend data using ISRA forms.

Record %d, Incorrect record ordering

Record %d, Load Data is same or earlier version than that previously loaded.

Request new file from originator.

Record %d, No Data Aggregator/GSP Group association for Supplier %s

---

[11] Note that a NULL value will be reported as '-1'.

Data Aggregator %s and GSP Group %s.

Request new file from originator or amend data using ISRA forms.

Record %d, Oracle Error %d %s. *

Record %d, Record type %s unknown

Request new file from originator.

Record %d, Run Type Id in file different to table value of %s.

Request new file from originator.

Record %d, Unable to authorise modification of standing data.

User has insufficient authorisation - log on as Standing Data Manager and repeat load.

Record %d, Unable to validate file header. Further information may appear in the error log.

Record %d, Value of %d for %s is outside valid range %d to %d.

Request new file from originator or amend data using ISRA forms.

Record %d,%s Oracle error %d %.*s *

Unable to determine number of periods for Settlement Date %s. The entry has not been set up in the calendar

Record %d, Duplicate start time of HHMMSS for teleswitch date YYYYMMDD, user XX, group yyyy, contact code z.

A.3.4.15   Load Scottish Regression Coefficient File[2]

File creation Timestamp of this file is earlier than the latest successfully loaded file

Record %d, Day Type %s unknown

Request new file from originator

Record %d, Effective Date %s of Profile Set falls outside of Effective Period %s - %s for Profile Class %d Profile %d

Amend date using ISRA forms or request new file from originator.

Record %d, Profile Class %d Profile %d unknown

Request new file from originator or amend data using ISRA forms.

Record %d, Profile Class %d unknown

Request new file from originator or amend data using ISRA forms.

Record %d, Regression Coefficient Type %d unknown

Request new file from originator.

Record %d, Regression Coefficients for Profile %d, Profile Class %d, Effective From Date %s do not include data for every Settlement Period

Request new file from originator.

Record %d, Regression Coefficients for Profile %d, Profile Class %d,

Effective From Date %s are not included for every coefficient type

> Request new file from originator.

Record %d, Attempt to load non-Scottish GSP Group %s in Scottish Flow.

A.3.4.16   Load Line Loss Factor/Standard Settlement Mapping Data

Record %d, Invalid Standard Settlement record found %s

> File problem.

Record %d: Error in record type. Expected record type: %s.

A.3.5   AFYC Recalculation Report

Error opening ppcc file for GSP Group %s Settlement Date %s

Error reading PPCC file for GSP Group %s Settlement Date %s

Error opening SPM file for GSP Group %s Settlement Date %s

Error reading SPM file for GSP Group %s Settlement Date %s

Missing record in PPCC file for GSP Group Id %s Settlement Date %s Settlement Code %s Data Aggregator Id %s Data Aggregation Run Number %d Profile Class %d SSC %s TPR %s

Data not present for every day in range for GSP Group %s Profile Class %d SSC %s TPR %s - number of days with data %d, number of days in range %d

DPC Zero for more than 75 per cent of days in range for GSP Group %s Profile Class %d SSC %s TPR %s - number of days with zero DPC %d, number of days in range with data %d

A.3.6   Archive

Archiving performed for settlement days %s to %s inclusive

File deleted : %s/%s (database id number: %.0f)

The table %s had %ld rows deleted from it during archiving

During archiving a total of %ld rows were deleted from the database

A.3.7   General Messages

An Oracle error has occurred - see Error Log for details*

Appendix B Report Directory

This appendix gives an example of each report that can be generated from the ISRA system. User initiated and automatically generated reports are shown.

B.1   Audit Report

```
Audit Report                                    ISR Agent                          17/10/1997 09:26


User:   PENDERI


Report Parameters:      User:                   PENDERI


                        Entity:                 *



                        Current Day Activity:   N
                        Date Range Start:       16-OCT-1997
                        Date Range End:         17-OCT-1997


User      Date/Time        Entity                         Online Oprtn   Change Details
                                                          /Batch

========  ================ =============================  ====== ======================
PENDERI   16/10/1997 17:08 IDB_MKT_PPT_ROLES              O      Insert  M701,Z,NULL,Y
PENDERI   16/10/1997 17:08 IDB_MKT_PPT_ROLES              O      Insert  M701,P,NULL,Y
PENDERI   16/10/1997 17:11 IDB_MKT_PPT_ROLES              O      Insert  M701,G,NULL,Y
PENDERI   16/10/1997 17:11 IDB_MKT_PPT_ROLES              O      Insert  M701,K,NULL,Y
PENDERI   16/10/1997 17:11 IDB_MKT_PPT_ROLES              O      Insert  M701,U,NULL,Y


(Repeated for all changes made to selected Entity, by User, on days in selected Date  Range)
                        ---- End of Report ----
```

B.2 BM Unit Supplier Take Energy Volume Report

NB: This report is not produced for Settlement Dates before the NETA Start Date.

```
BM Unit Supplier Take Energy Volume Report          SVA Agent                    16/10/1997 10:12


Settlement Date:      01/03/2001  Settlement Code:     SF
SSR Run Type:         SF          SSR Run Number:      25301



User:                 FAT2OPSU
Report Parameters:    SSR Run No           25301



SSR Run Date:         13/04/2000  CDCA Run Number:      3  CDCA Settlement Date: 01/03/2001




GSP Group:                            G1
(Repeated for all GSP Groups in SSR Run)


Supplier:                             M101
(Repeated for all Suppliers that trade in GSP Group, ordered by Supplier Id)


BM Unit Id:                           1234567890


Sett       Allocated
Prd          Volume
             (MWh)
====  ===============
  1        506.9311
```

```
     2          506.9311
```
(Repeated for all Settlement Periods within the Settlement Day)

B.3   BM Unit SVA Gross Demand Report

NB: This report is not produced for Settlement Dates before the NETA Start Date.

```
BMU SVA Gross Demand Report          ISR Agent                    09/03/2014 09:05


Settlement Date:     05/01/2014  Settlement Code:     SF
SSR Run Type:        SF          SSR Run Number:      181626




User:                FAT1STAN
Report Parameters:   SSR Run No           181626




SSR Run Date:        07/03/2014  CDCA Run Number:     3   CDCA Settlement Date: 05/01/2014




GSP Group:           G1




Supplier:            M102




BM Unit ID:          DBMG1M102




 Sett             Allocated
```

```
    Prd           Volume (MWh)

===== =====================

      1             1511.6685

      2             1511.6685

    (Repeated for all Settlement Periods within the Settlement Day)
```

B.4   Daily Profile Data Report

```
Daily Profile Data Report           ISR Agent                    15/10/1997  14:30


User Name:          PENDERI


Report Parameters:  Sett Date           30/03/1997
                    Prof Run Number     9102
                    GSP Groups          G1



Production Run Date/Time: 15/10/1997 15:28:00


 GSP Group:                                  G1
GSP Group Measured Temperature (degrees F):  16.0
Noon Effective Temperature (degrees F):      15.0
Time of Sunset:                              19:35:00
Sunset Variable (minutes):                   +35


 Profile Class:          2


 Profile:                1


Basic Period Profile Coefficients
0.0000151119610 0.0000151119610 0.0000151119610 0.0000151119610 0.0000151119610
0.0000151119610 0.0000151119610 0.0000151119610 0.0000151119610 0.0000151119610
0.0000151119610 0.0000151119610 0.0000151119610 0.0000151119610 0.0000151119610
0.0000151119610 0.0000151119610 0.0000151119610 0.0000151119610 0.0000151119610
0.0000151119610 0.0000151119610 0.0000151119610 0.0000151119610 0.0000151119610
0.0000151119610 0.0000151119610 0.0000151119610 0.0000151119610 0.0000151119610
0.0000151119610 0.0000151119610 0.0000151119610 0.0000151119610 0.0000151119610
```

```
0.0000151119610 0.0000151119610 0.0000151119610 0.0000151119610 0.0000151119610
0.0000151119610 0.0000151119610 0.0000151119610 0.0000151119610 0.0000151119610
0.0000151119610


Profile:                2


 Basic Period Profile Coefficients
0.0000151119610 0.0000151119610 0.0000151119610 0.0000151119610 0.0000151119610
0.0000151119610 0.0000151119610 0.0000151119610 0.0000151119610 0.0000151119610
0.0000151119610 0.0000151119610 0.0000151119610 0.0000151119610 0.0000151119610
0.0000151119610 0.0000151119610 0.0000151119610 0.0000151119610 0.0000151119610
0.0000151119610 0.0000151119610


 Repeat for each Profile associated with Profile Class.


Standard Settlement Configuration: SC02


Low Register           Normal
       Profile         Register
    Coefficient        Profile
                       Coefficient
=============== ===============
0.0000000000000 0.0000162813468
0.0000000000000 0.0000162813468
…
0.0000000000000 0.0000157823463


Time Pattern Regime: TP101


 Period Profile Period Time
```

```
          Class Pattern State
     Coefficient Indicator
=============== =============
0.0000266907324 T

0.0000266907324 T

  …

0.0000258726989 T



Time Pattern Regime: TP102


 Period Profile Period Time
          Class Pattern State
     Coefficient Indicator
=============== =============
0.0000266907324 F

0.0000266907324 F

  …

0.0000258726989 F
```

B.5   Deemed Take Report

```
Deemed Take Report                                      ISR Agent                                    16/10/1997 10:12


User:               FAT2OPSU
Report Parameters:  SSR Run No         25301



Settlement Date:    01/03/1997  Settlement Code:    SF Final Initial Settlement
SSR Run Date:       16/10/1997  SSR Run Number:     25301 SSR Run Type:          SF
Supplier:           M101 Supplier 1 / NHHDA 1


GSP Group:          G1 SSR GSP Group 1
```

Sett Prd	End Time	Supplier Deemed Take (MWh)	Unadjusted Supplier Deemed Take (MWh)	Supplier Pre-Spill Adjusted Take (MWh)	Non Pooled Generation Spill (MWh)	Total Period Weighted Consumption (MWh)	GSP Group Correction Factor	Half Hourly Consumption (Non-Losses) (MWh)	Half Hourly Consumption (Losses) (MWh)	Corrected Component (Non-Losses) (MWh)	Corrected Component (Losses) (MWh)
1	00:30	2023.484	2023.484	0.000	0.000	0.000	2.789713831	698.959	75.404	1921.927	101.557
2	01:00	2023.484	2023.484	0.000	0.000	0.000	2.789713831	698.959	75.404	1921.927	101.557
…											
48	00:00	2023.484	2023.484	0.000	0.000	0.000	2.728392591	710.175	85.347	1910.287	113.197
Dly Tot:		97127.222	97127.222	0.000				33523.970	3788.145	92042.633	5084.587

(Repeated for all GSP Groups that Supplier trades in)

B.6   DUoS Report

```
DUoS Report                    ISR Agent                    16/10/1997 10:12


User:              FAT2OPSU

Report Parameters:  SSR Run No         25301



Settlement Date:    01/03/1997  Settlement Code:    SF Final Initial Settlement

SSR Run Date:       16/10/1997  SSR Run Number:     25301 SSR Run Type:   SF



Supplier:          M101 Supplier 1 / NHHDA 1              Pool Member:        PM01


Distributor:       M401 Distributor 1


GSP Group:         G1 SSR GSP Group 1


Profile Class:                 2

Standard Settlement Configuration:  SC02

Distributor/Line Loss Factor Class: M401 /   1

Time Pattern Regime:           TP101


Total Estimated Consumption (MWh):       2496345.3491

Total Actual Consumption (MWh):           496981.349

Total Estimated  MSID Count:                 245567

Total Actual MSID Count:                        990

Default Estimated MSID Count:                   162


Profiled Consumption (MWh):

1234567890.123  1234567890.123  1234567890.123  1234567890.123  1234567890.123

1234567890.123  1234567890.123  1234567890.123  1234567890.123  1234567890.123

1234567890.123  1234567890.123  1234567890.123  1234567890.123  1234567890.123

1234567890.123  1234567890.123  1234567890.123  1234567890.123  1234567890.123
```

```
1234567890.123  1234567890.123  1234567890.123  1234567890.123  1234567890.123

1234567890.123  1234567890.123  1234567890.123  1234567890.123  1234567890.123

1234567890.123  1234567890.123  1234567890.123  1234567890.123  1234567890.123

1234567890.123  1234567890.123  1234567890.123  1234567890.123  1234567890.123

1234567890.123  1234567890.123  1234567890.123  1234567890.123  1234567890.123

1234567890.123  1234567890.123  1234567890.123


Total Profiled Estimated Consumption (MWh):   1234567890.123

Total Profiled Actual Consumption (MWh):      1234567890.123
```

(Repeated for all Settlement Classes relevant to Supplier, and for all GSP Groups the Supplier trades in… For the Distributor version, repeated for all the Suppliers in the GSP groups (used in the SSR Run) that the distributor is active in.)

```
DUoS Report : Domain Data


Settlement Date:     01/03/1997  Settlement Code:     SF Final Initial Settlement

SSR Run Date:        16/10/1997  SSR Run Number:      25301 SSR Run Type:       SF


Supplier:      LEB       London Electricity Board
```
(This line only for Supplier version)
```
Supplier:        M101 Supplier 1 / NHHDA 1                    Pool Member:        PM01
```
(This line only for Distributor version)

```
 Consp  AA/  Actual/ Data   Metrd/ Consmp Measur GSP Group

 Compnt EAC/ Estimt Aggr    Unmtrd Comp   Qty    Corrc

  Class            Type                          Scaling Wgt

 ====== ==== ====== ====== ====== ====== ====== =======

     1    A     H     M      C      AI     1.00

     2    A     H     U      C      AI     0.00

     3    A     H     M      M      AI     1.00

     4    A     H     M      L      AI     0.00

     .

     .

    22 E        N     U      L      AI     0.60
```

(For the Supplier version of this report, only details for Consumption Component Classes relevant to Supplier are reported. For the Distributor version of this report, details for Consumption Component Classes are reported, for all active Suppliers in the GSP Groups (used in the SSR Run), in which the Distributor is active.)

```
GSP Group                      Sett End        GSP Group

                               Prd Time        Correction

                                                 Factor

== ============================ ==== ====== ================

G1 GSP Group 1                    1 00:30    2.789713831

G1 GSP Group 1                    2 01:00    2.789713831

G1 GSP Group 1                    3 01:30    2.789713831

G1 GSP Group 1                    4 02:00    2.789713831

    .

    .

G1 GSP Group 1                   48 00:00    2.728392591

G2 GSP Group 2                    1 00:30    2.789713831

G2 GSP Group 2                    2 01:00    2.789713831

G2 GSP Group 2                    3 01:30    2.789713831

G2 GSP Group 2                    4 02:00    2.789713831

    .

    .

G2 GSP Group 2                   48 00:00    2.728392591

.

.
```

(For the Supplier version of the report, this is repeated for all GSP Groups relevant to Supplier.   For the Distributor version of this report, this is repeated for all GSP Groups (used in the SSR Run), in which the Distributor is active.)

B.7   Exception Reports

Exception reports may be generated by the following batch processes:

- ☐ Archiving
- ☐ Data Loading
- ☐ Profile Production
- ☐ SSR Run

Warnings are denoted with 'W', errors with 'E'.

```
Exception Report                                ISR Agent                                17/10/1997 09:29
Function Id:             IRSSSR
Function Name:          SSR Run
File Id:                19533
File Name:              GM001000019533
User Id:                PENDERI


Settlement Date:        03/03/1997
Settlement Code:        R1
Run Type Code:          R1
Run Number:             18889


Exception Type/Text

=====================================================================

W   GSP Group G1: Half-hourly data from data aggregator M301 excluded from SSR run

W   GSP Group G2: Half-hourly data from data aggregator M301 excluded from SSR run
```

-- End of Report –

B.8 Supplier purchase matrix duplicate validation Exception Reports

```
Exception Report                                ISR Agent                                10/12/2014 05:18

Function Id:            idl_spm

Function Name:         Load Supplier Purchases Matrix Data File id:145764

File Id:               145767

File Name:             GM001000145767

User Id:               SVAA55

File Type:             D0041001

From Role Code:        B

From Participant Id:    M101

To Role Code:          G

To Participant Id:     M001

Creation Time:         02/06/1998 00:00

Settlement Date:       01/01/2000

Settlement Code:       SF

Run Type Code:         D

Run Number:            12

GSP Group:             G1

Exception Type/Text

== =========================================================================

E  Duplicate SPM records found for Supplier M101, LLFC 2, Distributor M403, SSC SC03, TPR TP111 and PC 2.

E  Duplicate SPM records found for Supplier M101, LLFC 2, Distributor M403, SSC SC03, TPR TP112 and PC 2.

E  Duplicate SPM records found for Supplier M101, LLFC 3, Distributor M403, SSC SC01, TPR TP001 and PC 1.
```
                                    -- End of Report –

B.9 GSP Group Consumption Totals Report

```
GSP Group Consum Totals Report      ISR Agent                   16/10/1997 10:24


Settlement Date:      01/03/1997  Settlement Code:     SF Final Initial Settlement

SSR Run Date:         17/10/1997  SSR Run Number:      25321 SSR Run Type:        SF

Supplier:         M101 SSA Administrator




GSP Group:            G1 SSR GSP Group 1




Consumption Component Class:           1

GSP Group Correction Scaling Factor:   1.00

AA/EAC:

Actual/Estimated:                      A

Data Aggregation Type:                 H

Metered/Unmetered:                     M

Consumption Component:                 C

Measurement Quantity:                  AI


Sett End      Half Hourly     Half Hourly      Corrected       Corrected       MSID
 Prd Time     Consumption     Consumption      Component       Component       Count
              (Non-Losses)     (Losses)       (Non-Losses)      (Losses)
                 (MWh)           (MWh)            (MWh)           (MWh)
==== ===== =============== =============== =============== =============== ===============
   1 00:30       2.476                           6.907                           27822
   2 01:00       2.476                           6.907                           27822
   3 01:30       2.476                           6.907                           27822
```

```
 4 02:00          2.476                    6.907                    27822
 5 02:30          2.476                    7.046                    27822
 6 03:00          2.476                    7.046                    27822
 7 03:30          2.476                    7.046                    27822
 .
 .
47 23:30          2.567                    7.004                    27822
48 00:00          2.567                    7.004                    27822
```

B.10 HH Demand Report

```
HH Demand Report                    ISR Agent                    17/10/1997 10:07


User:               FAT2OPSU

Report Parameters:  SSR Run No         25321




HH Demand Report - Supplier Totals by Consumption Component Class



Settlement Date:     01/03/1997  Settlement Code:     SF Final Initial Settlement

SSR Run Date:        17/10/1997  SSR Run Number:      25321 SSR Run Type:         SF

Supplier:            M101 SSA Administrator




GSP Group:           G1 SSR GSP Group 1




Consumption Component Class:          1

GSP Group Correction Scaling Factor:  1.00

AA/EAC:

Actual/Estimated:                     A

Data Aggregation Type:                H

Metered/Unmetered:                    M

Consumption Component:                C

Measurement Quantity:                 AI


Sett End      Half Hourly     Half Hourly       Corrected       Corrected
 Prd Time     Consumption     Consumption       Component       Component
```

```
                   (Non-Losses)      (Losses)     (Non-Losses)      (Losses)

                        (MWh)          (MWh)           (MWh)           (MWh)

==== ===== ================ ================ ================ ================

   1 00:30          2.476                            6.907

   2 01:00          2.476                            6.907

   3 01:30          2.476                            6.907

   4 02:00          2.476                            6.907

   5 02:30          2.476                            7.046

   6 03:00          2.476                            7.046

   7 03:30          2.476                            7.046

   .

   .

  47 23:30          2.567                            7.004

  48 00:00          2.567                            7.004


Dly Tot:          121.032                          337.119
```

```
Consumption Component Class:            3

GSP Group Correction Scaling Factor:    1.00

AA/EAC:

Actual/Estimated:                       A

Data Aggregation Type:                  H

Metered/Unmetered:                      M

Consumption Component:                  M

Measurement Quantity:                   AI
```

```
Sett End      Half Hourly      Half Hourly       Corrected        Corrected
 Prd Time     Consumption      Consumption       Component        Component
              (Non-Losses)      (Losses)       (Non-Losses)       (Losses)
                 (MWh)            (MWh)            (MWh)            (MWh)
==== ===== ================ ================ ================ ================
```

```
 1 00:30                        2.476                    6.907
 2 01:00                        2.476                    6.907
 3 01:30                        2.476                    6.907
 4 02:00                        2.476                    6.907
 5 02:30                        2.476                    7.046
 6 03:00                        2.476                    7.046
   .
   .
48 00:00                        2.476                    6.755


Dly Tot:                        118.838                  331.106
```

(Repeated for all CCCs relevant to Supplier, and for all GSP Groups Supplier trades in)


```
HH Demand Report - Supplier Totals by Data Aggregator



Settlement Date:     01/03/1997  Settlement Code:     SF Final Initial Settlement
SSR Run Date:        17/10/1997  SSR Run Number:      25321 SSR Run Type:         SF
Supplier:            M101 SSA Administrator



GSP Group:           G1 SSR GSP Group 1



Data Aggregator:     M301 Eastern Electricity



AA/EAC:
Actual/Estimated:                    A
Consumption Component Class:         1
Consumption Component:               C
```

```
Data Aggregation Type:                H

Measurement Quantity:                 AI

Metered/Unmetered:                    M



Sett End         Suppliers        Suppliers         Data
Prd Time          Metered          Metered        Aggregator
                Consumption      Consumption       HH MSID
                (Non-Losses)       (Losses)         Count
                    (MWh)           (MWh)
==== =====  ================ ================ ================
  1 00:30         2.476                             3456
  2 01:00         2.476                             3456
  .
  .
 48 00:00         2.567                             3456


Daily Totals:       121.032
```

(Repeated for all CCCs relevant to Supplier, for all Data Aggregators Supplier is associated with, for all GSP Groups Supplier trades in)

B.20 Standard Settlement Configuration Report

```
SSC Report                              ISR Agent                 15/10/1997  14:28


User Name:           PENDERI

Report Parameters:   Sett Date            30/03/1997

                     Prof Run Number      9102




Profile Production Run Date/Time:        15/10/1997 15:28:00




Profile Class:                           1  domestic unrestricted


Switched Load Profile Class:             F


Standard Settlement Configuration:       SC01 Domestic unrestricted std c/s  meter




Time Pattern Regime:                     TP001

Switched Load:                           F

GMT/Local (Y/N):                         Y




GSP Group  Average Fraction of Yearly Consumption
========== ======================================
G1                                       1.000000
```

```
G2                                          1.000000
G3                                          1.000000
G4                                          1.000000



Clock Interval Details

     Day of      Start      Start Start            End      End End
      Week        Day      Month Time             Day      Month Time
========== ========== ========== ======== ========== ========== ========
         7          1          1 00:00:00        31         12 24:00:00


Profile Class:                       2  domestic economy 7

Switched Load Profile Class:         T

Standard Settlement Configuration:   SC02 10-hour E7 (2 TPRs) c/s




Time Pattern Regime:                 TP101
Switched Load:                       F
GMT/Local (Y/N):                     Y




GSP Group  Average Fraction of Yearly Consumption
========== =======================================
G1                                   0.610000
G2                                   0.380000
```

```
Clock Interval Details


      Day of        Start       Start Start          End         End End
       Week          Day        Month Time           Day         Month Time

     ========== ========== ========== ======== ========== ========== ========
              7          1          1 00:10:00         31         12 01:40:00
              7          1          1 08:35:00         31         12 11:25:00
              7          1          1 12:45:00         31         12 14:55:00
              7          1          1 16:35:00         31         12 24:00:00


Time Pattern Regime:                    TP102
Switched Load:                          T
GMT/Local (Y/N):                        Y




GSP Group   Average Fraction of Yearly Consumption
========== =======================================
G1                              0.390000
G2                              0.620000



Clock Interval Details


      Day of        Start       Start Start          End         End End
       Week          Day        Month Time           Day         Month Time

     ========== ========== ========== ======== ========== ========== ========
              7          1          1 01:40:00         31         12 08:35:00
```

```
         7            1            1 11:25:00        31          12 12:45:00

         7            1            1 14:55:00        31          12 16:35:00


Profile Class:                            2  domestic economy 7


Switched Load Profile Class:              T


Standard Settlement Configuration:        SC51 12 hour tele-switched (2 regs)  - GMT
```

Repeat for all valid combinations of Profile Class, SSC, and TPR

                              -- End of Report --

B.21 Standing Data Audit Report

```
Standing Data Audit Report                          ISR Agent                          17/10/1997 15:26


User:   FAT1STAN


User      Date/Time        Entity                    Online Oprtn   Change Details
                                                     Batch
                                                     Update

======== ================ ======================== ====== ======= ==================
FAT1STAN 17/10/1997 16:24 IDB_LLF_CLASSES            O      Update  2,M401,R,01-JAN-
1997,02-FEB-1997,Y


                         -- End of Report --
```

Note that if changes to certain items of data, (identified in the Entity column of the report), impacts a Profile Production Run, the following warning message is displayed:

"Warning: This change MAY invalidate one or more sets of Period Profile Class Coefficients & Daily Profile Coefficients".

B.22 Standing Profile Data Report

```
Standing Profile Data Report                              ISR Agent                              15/10/1997 14:28


User Name:          PENDERI
Report Parameters:  Sett Date           30/03/1997
                    Prof Run Number     9102
                    GSP Groups          G1



Season:    1 Day Type:  SA Production Run Date/Time: 15/10/1997 15:28:22



Profile Class:        1 domestic unrestricted


Switched Load Profile Class: F



Profile:    1 standard profile         Number of Settlement Periods:  48



GSP Group       Group Average Annual Consumption (MWh)
=============== =======================================
G1                                     231101.000
```

Settlement Period	Time of Sunset	(Time of Sunset)2	Noon Eff Temp	Day of Week 1	Day of Week 2	Day of Week 3	Day of Week 4	Constant
1	56.250000000	1.350000000	412.500000000	600.375000000	600.000000000	450.000000000	600.000000000	712.503750000
2	56.250000000	1.350000000	412.500000000	600.375000000	600.000000000	450.000000000	600.000000000	712.503750000

```
          ..
        48  60.000000000    1.500000000 375.000000000 525.375000000 600.000000000 412.500000000 600.000000000 637.503750000
```

Profile Class: 2 domestic economy 7

Switched Load Profile Class: T

Profile: 1 std consumption   Number of Settlement Periods: 48

GSP Group   Group Average Annual Consumption (MWh)
=============== =======================================
G1   278521.200

Settlement Period	Time of Sunset	(Time of Sunset)2	Noon Eff Temp	Day of Week 1	Day of Week 2	Day of Week 3	Day of Week 4	Constant
1	45.000000000	1.080000000	330.000000000	480.300000000	480.000000000	360.000000000	480.000000000	570.003000000
2	45.000000000	1.080000000	330.000000000	480.300000000	480.000000000	360.000000000	480.000000000	570.003000000
..								
48	48.000000000	1.200000000	300.000000000	420.300000000	480.000000000	330.000000000	480.000000000	510.003000000

Profile: 2 11 hour switched load   Number of Settlement Periods: 22

GSP Group   Group Average Annual Consumption (MWh)
=============== =======================================
G1   232201.000

```
Settlement      Time of     (Time of     Noon Eff      Day of        Day of        Day of        Day of       Constant
  Period        Sunset      Sunset)2       Temp        Week 1        Week 2        Week 3        Week 4

========== ============= ============= ============= ============= ============= ============= ============= =============
         1 61.500000000   1.425000000 390.000000000 570.000000000 375.000000000 487.500000000 375.000000000 712.500000000

         2 61.500000000   1.425000000 390.000000000 570.000000000 375.000000000 487.500000000 375.000000000 712.500000000

        ..

        22 61.500000000   1.425000000 390.000000000 570.000000000 375.000000000 487.500000000 375.000000000 712.500000000
```

Only Settlement Periods included in the Profile are included. Repeat for all Profile Sets valid on the Settlement Date

B.23 Supplier BM Unit Report

```
Supplier BM Unit Report                ISR Agent                    03/07/2000 12:46


User:              FAT1STAN

Report Parameters:  SSR Run No   71683



Settlement Date:     01/01/2000   Settlement Code:      SF Final Initial Settlement

SSR Run Date:        03/07/2000   SSR Run Number:   71683 SSR Run Type:        SF

Supplier:           M101    Supplier 1


Supplier BM Unit Report - GSP Group
===================================


GSP Group:         G1      SSR GSP Group 1



Supplier BM Unit Report - BM Unit Details



BM Unit Id: A003        Default BM:  F


Profile Class:      1


SSC
=====
SC01
```
  (Repeated for all Profile Classes that have allocations for the BM Unit)

```
BM Unit Id: DBMG1M101    Default BM:  T
```

(Repeated for all BM Units- with and without Non-Half Hourly Allocations)

```
Supplier BM Unit Report - BM Unit Energy Volumes by CCC


BM Unit ID:          A003        Default BM:  F


Consumption Component Class:              1
GSP Group Correction Scaling Factor:    0.90
AA/EAC:
Actual/Estimated:                    A
Data Aggregation Type:               H
Metered/Unmetered:                   M
Consumption Component:               C
Measurement Quantity:                AI


Sett End      Aggregated      Aggregated       Corrected       Corrected
 Prd Time    BM Unit Energy  BM Unit Energy  BM Unit Energy  BM Unit Energy
              (Non-Losses)       (Losses)     (Non-Losses)       (Losses)
                  (MWh)           (MWh)           (MWh)           (MWh)
==== ===== =============== =============== =============== ===============
   1 00:30      2.5000                          3.3261
```
(Repeated for all settlement periods)
```
  48 00:00      2.5000                          3.0045


Daily Tot:    120.0000                        159.5082
```

(Repeated for all CCCs & BM Units for the Supplier in GSP Group which have recorded consumption)

```
Supplier BM Unit Report - Total BM Unit Energy Volumes


BM Unit ID:          A003        Default BM:  F
```

```
Sett End      Uncorrected        Corrected
Prd Time   Total Allocated  Total Allocated
                    Volume           Volume
                     (MWh)            (MWh)
==== =====  ===============  ===============
   1 00:30        136.3214         182.1831
```
(Repeated for all settlement periods)
```
  48 00:00        136.3114         164.3176


Daily Tot:       6543.0472        8736.2647
```

(Repeated for all BM Units for the Supplier in GSP Group which have recorded consumption)

```
Supplier BM Unit Report - BM Unit Energy Volumes by Half Hourly Data Aggregator



Data Aggregator:     M301 HHDA 1


BM Unit ID:              A003
SSR Run BM Unit ID:      A003
Default BM Reason Code:


AA/EAC:
Actual/Estimated:                 A
Consumption Component Class:      1
Consumption Component:            C
Data Aggregation Type:            H
Measurement Quantity:             AI
Metered/Unmetered:                M


Sett End          BM Unit        BM Unit             Data
 Prd Time          Energy      Line Losses       Aggregator
```

```
                        (MWh)           (MWh)   HH MSID Count

==== ===== =============== =============== ===============

   1 00:30       2.5000                    3456
```

(Repeated for all settlement periods)

```
  48 00:00       2.5000                    3456


Daily Tot:     120.0000                  165888
```

(Repeated for all CCCs and then all BM Units for the Supplier in GSP Group which have recorded consumption from Half Hourly Data Aggregators))

```
                              Page 95

_Supplier BM Unit Report            ISR Agent                      03/07/2000 12:46


                       -- End of Report --
```

B.24 Supplier Purchase Report

```
Supplier Purchase Report                              ISR Agent                          16/10/1997 10:12


User:            FAT2OPSU

Report Parameters:  SSR Run No        25301




Settlement Date:     01/03/1997  Settlement Code:    SF Final Initial Settlement

SSR Run Date:        16/10/1997 SSR Run Number:      25301 SSR Run Type:        SF

Supplier:            M101 Supplier 1 / NHHDA 1

Pool Member:         PM01




GSP Group:           G1 SSR GSP Group 1
```

Sett Prd	End Time	GSP Group Take (MWh)	Supplier Deemed Take (MWh)	Supplier GSP Group Purchase (£)	Pool Selling Price (£/MWh)	Transmission Loss Multiplier	Transmission Losses Reconciliation Multiplier
1	00:30	2023.484	2023.484	52114.83	25.000000	0.010000000	0.020000
2	01:00	2023.484	2023.484	52114.83	25.000000	0.010000000	0.020000
3	01:30	2023.484	2023.484	52114.83	25.000000	0.010000000	0.020000
…							
48	00:00	2023.484	2023.484	52114.83	25.000000	0.010000000	0.020000

```
Dly Tot:        97127.222      97127.222    2501511.60
```

(Repeated for all GSP Groups that Supplier trades in)

B.25 Supplier Purchase Matrix Report

```
Supplier Purchase Matrix Rprt                          ISR Agent                                    16/10/1997 10:12


User:              FAT2OPSU
Report Parameters:  SSR Run No        25301




Settlement Date:    01/03/1997  Settlement Code:    SF Final Initial Settlement
SSR Run Date:       16/10/1997  SSR Run Number:     25301 SSR Run Type:   SF



Supplier:          M101 Supplier 1 / NHHDA 1


GSP Group:         G1 SSR GSP Group 1



Data Aggregator:   M101 Supplier 1 / NHHDA 1 Data Aggregation Type: N Data Aggregation Run Number:      2
```

Pfl Class	SSC	LLFC	Dist	TPR Id	Total EAC (MWh)	Total EAC MSID Count	Total AA (MWh)	Total AA MSID Count	Total Unmetered (MWh)	Total Unmetered MSID Count	Default EAC MSID Count	Default Unmetered MSID Count
1	SC01	1	M401	TP001	2496594.349	245671	496594.349	987	6594.765	165	159	173
1	SC01	2	M401	TP001	2495349.349	245154	498529.349	1002	6504.884	175	174	158
1	SC01	3	M401	TP001	2494104.349	244637	500464.349	1017	6415.419	185	189	143
2	SC02	1	M401	TP101	2496345.349	245567	496981.349	990	6576.456	167	162	170
2	SC02	1	M401	TP102	2496096.349	245464	497368.349	993	6558.563	169	165	167
2	SC02	2	M401	TP101	2495100.349	245050	498916.349	1005	6486.991	177	177	155

```
      2 SC02   2 M401 TP102     2494851.349      244947      499303.349      1008      6469.098      179      180      152

      2 SC03   1 M401 TP111     2495847.349      245361      497755.349       996      6540.670      171      168      164

      2 SC03   1 M401 TP112     2495598.349      245257      498142.349       999      6522.777      173      171      161

      2 SC03   2 M401 TP111     2494602.349      244844      499690.349      1011      6451.205      181      183      149

      2 SC03   2 M401 TP112     2494353.349      244740      500077.349      1014      6433.312      183      186      146
```

(Repeated for all Settlement Classes relevant to Supplier)

(Repeated for all Data Aggregators associated with Supplier)

B.26 Supplier Settlement Header Report

```
Supplier Report Header            ISR Agent                  16/10/1997 10:12


User:              FAT2OPSU

Report Parameters:  SSR Run No          25301




Supplier:          M101 Supplier 1 / NHHDA 1 Pool Member:          PM01

Settlement Date:    01/03/1997  Settlement Code:     SF Final Initial Settlement




SSR Settlement Run Details


SSR Run Number:     25301

SSR Run Date:       16/10/1997

SSR Run Type:       SF Final Initial Settlement

SSR Run Status:     X Job Completed with Exceptions


GSP Group Included:  G1




Input Data Details



Profile Production Run Details
```

```
ISR Agent:                           M001

Profile Production Run Number:       1

Profile Production Run Date:         12/03/1997

Profile Production Run Time:         00:00:00


GSP Groups Included: G1


(Repeated for each Profile Production Run used in SSR Run)



Data Aggregation Run Details


Data Aggregator:                     M101 Supplier 1 / NHHDA 1

Data Aggregation Run Type:           B

Data Aggregation Run Number:         2

Settlement Date:                     01/03/1997


GSP Groups Included: G1



Data Aggregation Run Details


Data Aggregator:                     M301 HHDA 1

Data Aggregation Run Type:           A

Data Aggregation Run Number:         2

Settlement Date:                     01/03/1997


GSP Groups Included: G1


(Repeated for each Data Aggregation Run used in SSR Run, and for each Data Aggregator)
```

```
SSA Settlement Run Details


SSA Settlement Run Number:          3

SSA Settlement Date:                01/03/1997

SSA Settlement Run Type:            A

CDCS Extract Number:                24
```

B.27 Tele-switch Contact Interval Data Report

```
TSW Contact Interval Report      ISR Agent                      15/10/1997 14:28


User Name:          PENDERI

Report Parameters:  Sett Date          30/03/1997

                    Prof Run Number    9102




Profile Production Run Date/Time:      15/10/1997 15:28:00




Tele-switch User:        12


Tele-switch Group:       1234


Tele-switch Contact:     A


Tele-switch Contact Intervals:
===============================================================================
Start Date-Time         End Date-Time           Tele-switch Contact State
===============         =============           ========================
01/01/1998 03:00        01/01/1998 04:00        T
01/01/1998 05:00        01/01/1998 06:00        F
01/01/1998 07:00        01/01/1998 08:00        T


Tele-switch Contact:        B


Tele-switch Contact Intervals:
```

```
================================================================
Start Date-Time        End Date-Time           Tele-switch Contact State

==============         ============            ========================

01/01/1998 03:00       01/01/1998 04:00        T

01/01/1998 07:00       01/01/1998 08:00        F


Tele-switch Contact:        D


Tele-switch Contact Intervals:
================================================================
Start Date-Time        End Date-Time           Tele-switch Contact State

==============         ============            ========================

01/01/1998 01:00       01/01/1998 04:00        F

01/01/1998 05:00       01/01/1998 08:00        T
```

Repeat for all Tele-switch Groups within Tele-switch User

Repeat for all Tele-switch Users

-- End of Report --

B.28 TUoS Report

```
TUoS Report (HH/NHH Split)                    ISR Agent                16/10/1997 10:12


User:              FAT2OPSU

Report Parameters:  SSR Run No          25301




Settlement Date:    01/03/1997  Settlement Code:    SF Final Initial Settlement

SSR Run Date:       16/10/1997  SSR Run Number:     25301 SSR Run Type:        SF




GSP Group:          G1 SSR GSP Group 1




Supplier:           M101 Supplier 1 / NHHDA 1


 Sett   End        GSP Group Supplier Deemed  Corrected Supplier        Non-corrected Supplier
 Prd   Time        Take (MWh)     Take (MWh)    Deemed Take (MWh)           Deemed Take (MWh)
===== ===== =============== =============== =================== =============================
    1 00:30      2023.484        2023.484           503.242                    1520.242
    2 01:00      2023.484        2023.484           503.242                    1520.242
    3 01:30      2023.484        2023.484           503.242                    1520.242
    4 02:00      2023.484        2023.484           503.242                    1520.242
    5 02:30      2023.484        2023.484           503.242                    1520.242
    6 03:00      2023.484        2023.484           503.242                    1520.242
      .
      .
```

```
      48 00:00          2023.484          2023.484              503.242                      1520.242


   Daily Totals:          97127.222          97127.222          24155.616                  72971.616


     BM Unit:    A003          Default Flag: F


   Sett    End       HH Allocated     NHH Allocated
    Prd   Time        Volume           Volume
   ===== =====   ===============   ===============
       1 00:30          506.9311      506.9311
       2 01:00          506.9311              506.9311
       3 01:30          506.9311              506.9311
       4 02:00          506.9311              506.9311
       5 02:30          506.9311              506.9311
       6 03:00          506.9311              506.9311
           .
           .
           .
      48 00:00          506.9311              506.9311


   Daily Totals:          24332.6928          24332.6928


     BM Unit:    A004          Default Flag: F


   Sett    End       HH Allocated     NHH Allocated
    Prd   Time        Volume           Volume
   ===== =====   ===============   ===============
       1 00:30          506.9311      506.9311
       2 01:00          506.9311              506.9311
       3 01:30          506.9311              506.9311
       4 02:00          506.9311              506.9311
       5 02:30          506.9311              506.9311
       6 03:00          506.9311              506.9311
           .
```

```
        .
     48 00:00        506.9311              506.9311


   Daily Totals:       24332.6928      24332.6928
```

(Repeated for all BM Units in BM unit id order for all Suppliers trading in GSP Group in Supplier Id order, and for all GSP Groups)

B.30 AFYC Recalculation Report

```
ARRC Report                ISR Agent                        12/01/2000 16:06


GSP Group:           G1




Profile Class:            2




Standard Settlement Configuration:       S1




Time       AFYC Effective From   Effective To
Pattern          Settlement Date  Settlement Date
Regime
======= ======== ================ ================
TP001   0.332922 01/07/2000
TP002   0.667078 01/07/2000




Researched Average EAC          672084.7952
Effective From Settlement Date 01/07/2000




Standard Settlement Configuration:       S2




Time       AFYC Effective From   Effective To
```

```
Pattern        Settlement Date  Settlement Date
Regime
======= ======== ================ ================
TP001   0.332922 01/07/2000
TP002   0.667078 01/07/2000



Researched Average EAC         672084.7952
Effective From Settlement Date 01/07/2000



Researched Default EAC         672084.7952


AFYC Recalculation Report             ISR Agent                    12/01/2000 16:06
```

(Repeated for all GSP Groups, Profile Classes, Standard Settlement Configurations, Profile Classes)

B.30 Standing Data Update Report

```
Standing Data Update Report          ISR Agent                    13/12/2005 14:27


User: SUPER



Report Parameters:
==================



Supplier:        SEEB
Date Range Start: 13/12/2005
Date Range End:   13/12/2005



GSP Group:
==========


GSP Group Id:     _A
GSP Group Name:   Eastern




Supplier Id:   SEEB - SEEBOARD plc


                      <----------------- Dates -------------------->


Action DA Role DA Id From Sett  To Sett   Earliest Load Latest Load Cleared
====== ======= ===== ========== ========== ============= =========== =======
I      A       HYDE  01/04/2000 04/04/2000 13/12/2005    13/12/2005  N
I      A       HYDE  06/04/2000 10/04/2000 13/12/2005    13/12/2005  N
```

```
I       B       NEEB  01/04/2000 04/04/2000 13/12/2005   13/12/2005  N

D       B       NEEB  01/04/2000 09/04/2000 13/12/2005   13/12/2005  N

I       B       NEEB  06/04/2000 09/04/2000 13/12/2005   13/12/2005  N

I                     01/04/2000 04/04/2000 13/12/2005   13/12/2005  N

I                     06/04/2000 10/04/2000 13/12/2005   13/12/2005  N
```

B.31 LLF Confirmation Report

```
LLF Confirmation Report          ISR Agent                  07/07/2008 10:25


Report Parameters:
==================


Supplier: EMEB

Settlement Date: 01/08/2008

Settlement Period: 22

File Id: 25633785



LLF successfully loaded for:
===========================


LLF Class  LLF
========  ======
0       1.404

1       1.404

2       1.241

3       1.163

4       1.129

5       1.111


(Contains all the LLF details for the selected distributor, settlement date, settlement period and llf file id)
                        -- End of Report --
```