

**Code Subsidiary Document
No. 0403:**

**Interface for the provision of
Reports from the Market Operator
to Trading Parties**

September 2015

Change History

Version Number	Date of Issue	Reason For Change	Change Control Reference	Sections Affected

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Definitions

Unless expressly stated otherwise, for the purposes of this CSD:

- (a) terms defined in the Wholesale-Retail Code Part 1 (Objectives, Principles and Definitions) shall apply;
- (b) capitalised terms relating to the titles of Data Items or Data Transactions described in CSD 0301 (Data Catalogue) shall have the meaning attributed therein; and
- (c) capitalised terms relating to definitions set out in CSD 0400 (Common interface technical specifications) shall also apply.

1. Introduction

1.1 Purpose and scope

1.1.1 This CSD describes the Interface that enables Trading Parties to retrieve Reports generated by the Market Operator. It also sets out the responsibilities of the Market Operator and Trading Parties wishing to use the Interface.

1.1.2 Common technical specifications and standards are described in CSD 0400 (Common interface technical specifications).

1.1.3 This CSD should be read in conjunction with:

- (a) CSD 0201 (Settlement Timetable and Reporting);
- (b) CSD 0302 (Standing Reports and Data Extracts); and
- (c) CSD 0400 (Common interface technical specifications).

1.2 Structure of this CSD

1.2.1 The CSD is structured as follows:

- (a) Section 1: Purpose and scope – this section;
- (b) Section 2: Description of the interface – describes the interface in terms of the functions available to Trading Parties; and
- (c) Section 3: Technical specification and standards – describes the technical specifications specific to this interface.

2. Description of the interface

2.1 Overview

- 2.1.1 Trading Parties will be notified by email of the availability of Reports through the interface.
- 2.1.2 The Market Operator Reports that will be available for retrieval by Trading Parties through the interface are as specified in
- (a) CSD 0201 (Settlement Timetable and Reporting); and
 - (b) CSD 0302 (Standing Reports and Data Extracts).
- 2.1.3 The interface will allow Trading Parties to retrieve Reports in the following ways:
- (a) users manually selecting and retrieving available Reports through a screen-based facility; or
 - (b) by automated secure data transfer.
- 2.1.4 The interface will be available to all authorised users.
- 2.1.5 The Reports that will be available to a Trading Party will be subject to access controls which will be based on a combination of Trading Party organisation Digital Certificate, Trading Party unique identifier (and the roles that have been established against that identifier) and if retrieved by a user, the privileges set up by their Administrator.
- 2.1.6 The interface will provide Reports in a CSV format as set out in CSD 0400 (Common interface technical specifications) and will permit users to download for viewing and/or for onward processing within their own systems.
- 2.1.7 Any further Report customisation will be undertaken by Trading Parties within their own systems. The Market Operator will only provide Reports as specified in the relevant CSD.
- 2.1.8 Reports will remain available on the interface for a period of three (3) months. Should a Trading Party require a Report beyond this period, the Trading Party will raise an appropriate service request through the service management interface - CSD 0406 (Service Management Interface).

2.1.9 The interface will not allow Trading Party users to directly search or access archived Reports.

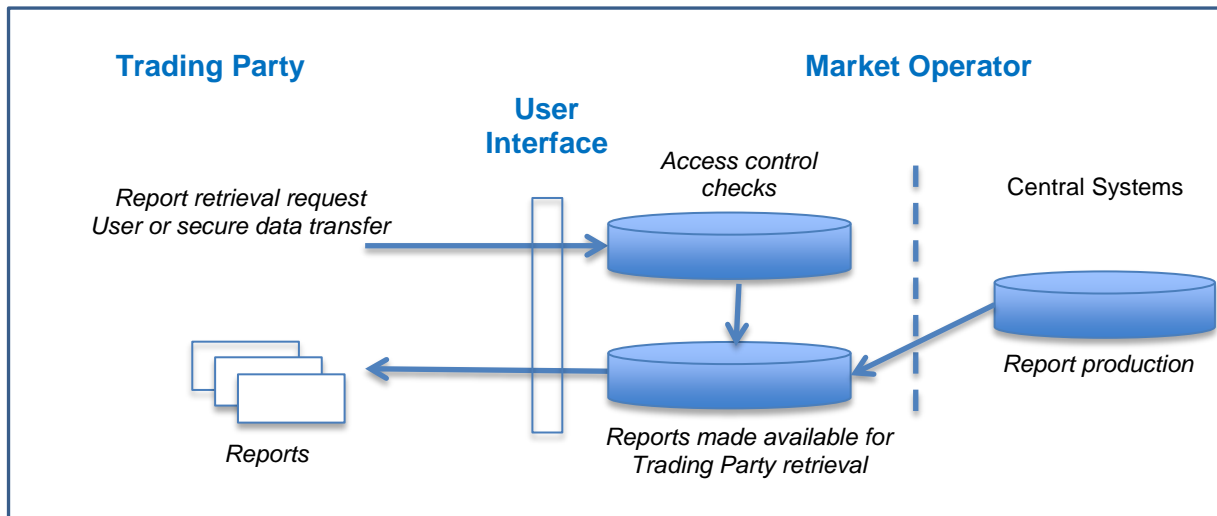


Figure 1: Interface operation concept

2.2 User interface

2.2.1 Trading Party user access privileges will enable permissions to be set enabling different users access to different Report types through the interface. It will be the responsibility of Trading Parties' Administrators to manage all user access within their organisation as set out in CSD 0006 (Trading Party Administration and Notification Processes).

2.2.2 Trading Party user access to the interface will be based on:

- (a) their specific user role; and
- (b) the Trading Party that they represent.

2.2.3 Any attempts to access the interface and/or obtain Reports using either invalid user or Trading Party credentials will result in the Session being terminated by the Market Operator.

2.2.4 The Interface will allow users to view a list of all available Reports, and to sort and filter the list of Reports based on the following parameters:

- (a) Report name;
- (b) Report type; and

(c) date or range of dates of Report publication.

2.2.5 The interface will allow users to select:

- (a) from the available or filtered Reports and download those selected; and
- (b) either single or multiple Reports.

2.2.6 The interface will provide users with a prompt to download selected Reports prior to terminating their interface Session.

2.3 Automated Report retrieval

2.3.1 The interface will allow Trading Parties to retrieve Reports using an automated secure data transfer mechanism. This enables automated collection of Reports made available through the interface by the Market Operator.

2.3.2 To avoid the potential for Market Operator processing exceptions, Trading Parties will ensure that any automated retrieval of Reports through the interface remains in full alignment with:

- (a) the Market Operator's published Report timetable; and
- (b) Notifications received from the Market Operator confirming Report availability.

2.3.3 Trading Parties will respond accordingly to any non-transactional notifications issued by the Market Operator that relate to the non-availability of Reports. If necessary Trading Parties will amend their automated Report retrieval schedules to align with any revised Report timetable that the Market Operator publishes.

2.3.4 Should a Trading Party require a Report that has been archived, an archived report service request must be raised through the service management interface, CSD 0406 (Service Management Interface).

2.4 Report availability

2.4.1 Reports will remain available through the interface for a minimum of three (3) months after the date of issue.

2.4.2 Trading Parties that require access to Reports which are no longer accessible through the interface will submit a service request through the service management interface as set out in CSD 0406 (Service Management Interface). The archived Reports will:

- (a) only be made available to the Trading Party that submitted the service request;
- (b) only be accessible through the interface described in this CSD;
- (c) remain available for a period of one (1) month from the date of re-publication; and
- (d) once again be removed from the interface at the end of a one (1) month period referred to in (c) above.

2.5 Interface logging

2.5.1 General interface logging requirements are set out in CSD 0400 (Common interface technical specifications).

2.5.2 Trading Party Administrators will, upon request through the service management interface CSD 0406 (Service Management Interface), be able to obtain a log of all Reports that have been requested by their Trading Party within a previous twenty-four (24) month period.

3. Technical specification and standards

3.1 Common requirements

3.1.1 Trading Parties must configure access and ensure correct use of the interface in accordance with the requirements set out in:

- (a) CSD 0201 (Settlements Timetable and Reporting);
- (b) CSD 0302 (Standing Reports and Data Extracts); and
- (c) CSD 0400 (Common interface technical specifications).

3.2 Report generation

3.2.1 Reports will be generated and made available by the Market Operator in compliance with:

- (a) CSD 0201 (Settlement Timetable and Reporting);
- (b) CSD 0301 (Data Catalogue); and
- (c) CSD 0302 (Standing Reports and Data Extracts).

3.2.2 Data contained within the Reports will reflect the data in the Market Operator Systems up to the end of Extended Hours on the previous Business Day unless otherwise specified.

3.2.3 The Market Operator will ensure that the generation of Reports will not impact the performance of the Market Operator Systems and interfaces.

3.2.4 Reports will include all data that has been successfully processed by the Central Systems at the point at which the generation of Reports by the Market Operator commences. Any transactions that are still subject to further Validation or data that still requires Authorisation will not be included as set out in CSD 0404 (Interface for the provision of non-transactional Data Items from Trading Parties).

3.2.5 Non-availability of Reports will be communicated to Trading Parties by the Market Operator, using the non-transactional notification process set out in CSD 0006 in combination with the service management interface described in CSD 0406 (Service Management Interface).

3.3 Report format

3.3.1 The Market Operator will generate all Reports in a valid CSV format to ensure that all Trading Parties can use them. The CSV format is detailed in CSD 0400 (Common interface Technical Specifications).

3.3.2 Each Report will contain the following fields:

- (a) Report name;
- (b) unique report reference number; and
- (c) date and time stamp.

3.3.3 The unique Report reference number will be used as an identifier for any subsequent Interactions between a Trading Party and the Market Operator relating to the reports.

3.4 Report logging

3.4.1 Each Report request (where a Trading Party attempts to retrieve Reports through the interface) will generate a unique reference number which will be logged by the Market Operator.

3.4.2 Against each unique Report request reference number, the Market Operator will also store the unique Trading Party identification and (where appropriate) the Trading Party user who initiated the request.

3.4.3 The Market Operator will maintain a log of all Trading Party access through the interface. The log will contain the following details:

- (a) unique Trading Party identifier;
- (b) a Trading Party user identification (nil/blank if automated secure file transfer);
- (c) a unique report request number;
- (d) the date and time of Report requests through the interface;

- (e) the method of retrieval e.g. user interface or automated secure file transfer; and
- (f) a list of all Report(s) retrieved by name.

3.5 Report access control

3.5.1 Mandatory Cryptographic Protections include Mutual Authentication. Authentication of a Trading Party's Digital Certificate ensures all Sessions established through the interface are secure.

3.5.2 Robust controls will ensure that Reports are only available to relevant Trading Parties based on the following data access rules:

- (a) Wholesalers will only have access to Market DataSet reports containing data relating to their Area unless otherwise agreed by the Wholesaler's Area (and the Wholesaler is the Data Owner) adjoins the Area of another Wholesaler, as set out in section 3.25 of CSD 0006 (Trading Party Administration and Notification Processes);
- (b) Retailers will have access to Market DataSet reports for all Areas; and
- (c) Settlement Reports will only be made available to the relevant Wholesaler and Retailer.

3.5.3 Report controls are also considered further in CSD 0006 (Trading Party Administration and Notification Processes).

3.6 Interaction summary

3.6.1 The table below summarises the Interactions between Trading Parties and the Market Operator through the interface.

Interaction	From	To	Delivery via interface	Delivery method
Reports made available by the Market Operator to Trading Parties to retrieve through the interface	Central Systems	Market Operator Systems	No	N/A

Interaction	From	To	Delivery via interface	Delivery method
Interface user logs onto the interface using valid credentials	Trading Party	Market Operator	Yes	User interface
Interface user selects Reports	Trading Party	Market Operator	Yes	User interface
Automated secure file transfer Session established	Trading Party	Market Operator	Yes	Automated secure data transfer
Automated request for Reports issued	Trading Party	Market Operator	Yes	Automated secure data transfer
Retrieval of selected Reports	Market Operator Systems	Market Operator	Yes	Via user interface or automated secure data transfer

Table 1: Summary of Interactions

3.7 Error handling

3.7.1 Common error handling requirements are described in CSD 0400 (Common interface technical specifications).

3.7.2 The table below sets out possible error scenarios and outcomes specific to this interface.

Error	Outcome
Interface user identifier / password invalid	The interface user is notified that their user identification and/or password are invalid, and is advised to contact their Administrator in the first instance before raising a service management incident as set out in CSD 0406 (Service Management Interface)
Automated report request is erroneous e.g. Report requested has not yet been published or is no longer available	The automated secure file transfer facility returns an error with a meaningful error code and/or message including a clear reason failure of the request.

Table 2: Interface specific error scenarios