
CENTRAL INFORMATION PLATFORM - SERVICE INTRODUCTION PLAN

- DOCUMENT VERSION 1 / RELEASE 4

17 August 2022

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REVISION HISTORY

Version	Release	Date	Paragraph	Comments
0	1	2014-04-22		First draft
0	2	2014-05-09		Updated after internal review
0	3	2014-06-17		Updated after TPC/MIT review
0	4	2014-06-20		Further internal review
0	5	2014-07-04		For technical review
0	6	2014-07-16		Incorporation of all review comments
1	0	2014-07-18		Clean issue
1	1	2014-11-21		Updated particularly with respect to master data & configurations
1	2	2019-12-17		Updated to include the production & IOP FTP URLS
1	3	2020-01-20		Ports to be enabled on Firewall is added
1	4	2022-08-17		Included Environment section with old and new URLS which are as part of TP redesign Updated Web portals and SFTP Release 3 service URLS

REFERENCED DOCUMENTS

- 1 Transparency Regulation 543/2013
- 2 Transparency Platform Manual of Procedures
- 3 ECP Integration Guide for transparency platform
- 4 Web Services Integration Guide for transparency platform

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1. Objective

The purpose of this document is to describe how the ENTSO-E Transparency Platform will commence publication of market information as required under the Regulation 543/2013 [1] and make the transition from the existing arrangements for publication that have been in operation since the establishment of the ETSO-Vista platform.

The intended audience for this document consists of the members of WG MIT, Transparency Platform Co-ordinators, platform administration staff at ENTSO-E and staff at the IT vendor responsible for the operation and hosting of the platform.

2. Scope

The present document considers the following aspects of the transition:

- Expected requirements associated with change of publication regime
- Actions expected of data providers
- Management of user accounts
- Maintenance of and access to data submitted to the existing (Release 1) platform
- Requirements on environments
- Use of URLs and identities

Out of scope:

- Establishment of reporting required under REMIT
- Establishment of reporting to EU (EMOS)

3. Terms, Acronyms and Abbreviations

Abbreviation	Terms / Acronym	Definition
BRS	Business Requirements Specification	
ETP	ENTSO-E Transparency Platform (term deprecated because it has been used to designate the earlier platform as designed by BeMore)	
	Publication Start	The date by which publication of R2 data is mandated according to the Regulation 543/2013; Jan 5 th 2015
	Publication Start Time	Not formally defined but expected to be during Jan 5 th at least for data items published daily or more frequently
	Release 1 platform	Platform as operating from 14 Jan 2014

IOP Interoperability Test environment.

4. Requirements of the transition

Submission & Publication

Summary of requirements from consultation in WGMIT:

- It should be possible to submit to both old (R1) and new (R2) platforms in parallel in advance of the Publication Start date.
NOTE: this is needed for setup of R2: double reporting to the two platforms is not expected (or desirable) but conceivably it may be convenient for some data providers to submit certain R2 data in advance of the required Publication Start date whilst continuing to submit (different) data to R1
- R2 platform shall be available from December 1st to allow for submission of master data, set up of configuration etc. prior to Publication Start
- It must be possible to submit data *for publication* to R2 platform from December 1st 2014.

There shall be a distinct URL which locates the web presence of the R3 platform e.g. as distinct from the existing platform. This is now confirmed as

<https://transparency.entsoe.eu/>

- It must be possible to submit data to R3 platform right up to Publication Start Time and to correct R3 data for a limited period after this
- It must be possible to access R3 data for at least 2013 & 2014 through the platform web presence

See the following sections 5 & 6 for technical realisation of these requirements.

Public User accounts

Public User accounts (ie registered users) shall be carried across from R1.

Public users should only be able to access data from January 5th 2015.

Data provider accounts

Existing user accounts, including ECP, Web services and ftp(s) channel/ account information will be carried over from the external test environment.

Key assumptions

This plan is based on the following assumptions:

- We assume that there will be no defect fixing of R1 from September 15th with the exception of critical problems, R2 is effectively frozen from the data of R2.0 UAT completion until Jan 5th – no new CRs (i.e. after CR11) can be delivered or tested in this period. Critical and

major defects will be addressed – other defect fixes will be considered for resolution according to the impact.

- Because we open the R2 production platform for publication from December 1st there is no concrete system change to the platform itself on 5th January, only an expectation that data providers will aim to begin data submissions at some point during this day (or earlier) if they are not already started. However actions will be required on January 5th to manage the availability of the new URL through DNS change, and addition of links to this URL on the ENTSO-E website and existing platform.

5. Configuration and administration

R1 platform

R1 information on data providers' machine user accounts (ECP & ftp(s)) will be used as the basis for initial set-up of the R2 external test but once this initial transfer is made, any other changes on R1 production will not be transferred.

Same machine user can be used for ECP4 and FTPS delivery.

R2 configuration

Reference data on areas, borders and other “register” data will be setup on the R2 platform at the beginning of external testing based on information received by the secretariat.

Data item configuration will be initially set up by the secretariat and further amended during external testing.

Allocation calendar data can be configured manually by data providers during external testing.

At the end of November 2014 all configuration on the external test environment will be copied to the Release 2 production environment. It will be possible to further amend this in the Release 2 production environment as necessary. Note that changes should be made to both environments in parallel, to maintain alignment, except where making changes for testing purposes in IOP.

R2 master data

Master data (information on assets) can be loaded into external (interoperability) test environment

- a) From spreadsheet data, if provided at start of external test
- b) By submission of xml file during external test or direct to production environment
- c) Through direct upload of xml file through the GUI

In accordance with TPC decision on 12 November, master data will not be copied from interoperability test environment to production. Master data must be loaded directly into production environment from December 1st onward.

Migration and setup of configuration data is illustrated below:

<revised picture needed>

R2 Allocation data

Capacity products, allocation definitions and instances AS AT 29 NOVEMBER will be transferred from IOP environment to R2 production along with the general configuration. Thereafter data providers should update both environments in parallel.

6. Technical realisation and implementation

Design constraints

- R2 data views (especially business filters) are not compatible with R1 data views (*implications for inclusion of R1 data for viewing on the same platform*)
- Reference and configuration data are not compatible between R1 and R2

Environments

Three environments are available under the existing contract. Nominally these are intended for:

- Production
- Public testing by data providers
- Test and acceptance of platform new releases (new features and bug fixes)

The following sections describe how these three environments are used in the transition periods.

Sep 15 to Nov 30

During the initial period of external testing with data providers the following environments will be required:

- R1 production environment (continues publication of R1 data until Jan 5th)
- R2 external test environment (= interoperability test environment)
- R2 UAT environment (for resolution of any platform defects found post-acceptance) – also to be used for acceptance of R2.1
- R3 Production environment was accepted and implemented from 31 June 2022. There will be difference in R2 & R3 in terms of publication except of the new data items and functionalities enhanced which BAU.

Dec 1 to Jan 4

The following environments (and associated distinct communication channels) will be required from 1st December to Jan 4th inclusive:

1. R1 production environment (continues publication of R1 data until Jan 5th)
2. R2 production environment (set up of master/reference data, configuration, user accounts etc.)
3. R2 external /IOP test environment

Note that during this period any platform defect fixes will be accepted on test in the external test environment.

Jan 5th until closure of Release 1 production

Following Publication Start the necessary environments are:

1. R2 production environment
2. R2 public/IOP test environment (for continued external testing of data providers, and for testing of platform changes and bug fixes)
3. R1 production environment. No data submission by file but data provider can make manual amendments to published values through GUI. This is a temporary arrangement until historic entsoe.net data is migrated to the R2 database.

Following closure of R1 production

After closure of R1 web presence, and for the long term, the disposition of the environments is as follows:

- R2 production environment
- R2 public test environment (for continued external testing of data providers, and for testing of platform changes and bug fixes)
- Pre-production environment for platform software maintenance tests

URLs

The URL www.entsoe.net will locate the R1 production environment until all R1 data is confirmed stable, packaged for later downloading and the R1 production environment removed from service. Once this is complete, it will be re-directed to the R2 production environment.

Release 2 & 3 production environment will have a new URL:

<https://transparency.entsoe.eu/>

IP addressing

Following IP addresses will be used.

Web portal

1. Release 1 production environment – 62.209.222.9 (www.entsoe.net)
2. R2 & 3 Public test environment (External test) – 62.209.222.11

3. R2 & 3 Production environment -> 62.209.222.10

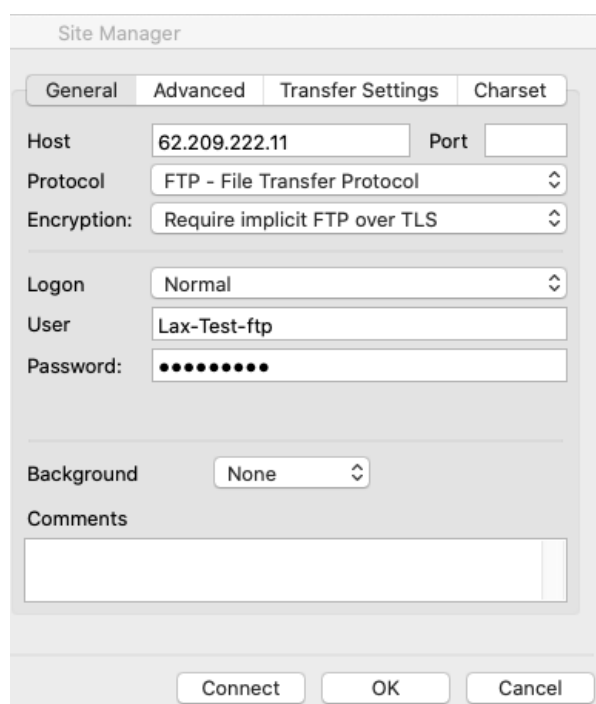
FTPS

- R2 & 3 production environment – ftp://62.209.222.10
- R2 & 3 IOP test environment (External test) – ftp://62.209.222.11

Configuration:

- FTP should be configured over TLS Secured connection. If Port not supplied, connection uses default ports 990. Then data transfer is done via ports 50500 - 51000. These ports has to be enabled on Firewall.

For example,



The screenshot shows a 'Site Manager' dialog box with the following configuration:

- Host: 62.209.222.11
- Port: (empty)
- Protocol: FTP - File Transfer Protocol
- Encryption: Require implicit FTP over TLS
- Logon: Normal
- User: Lax-Test-ftp
- Password: (masked with dots)
- Background: None
- Comments: (empty text area)

Buttons at the bottom: Connect, OK, Cancel

Limitations:

Usage of FTP Rest commands is categorized as info leak by TP security check point. Such requests are will lead to permanent ban of Ip addresses.

Name	FTP REST
Unique Threat ID	36419
Description	FTP REST command allows client request file transfer restarts from a specific checkpoint. Attackers can use it as an evasive method to avoid AV detection.
Category	info-leak
PanOS Minimum Version	6.1.0

The following table shows overview for individual environments. The domain name and IP address are stated for each endpoint.

	UAT Environment	IOP Environment	PROD Environment
ECP current	ecp.entsoe.eu:5673 62.209.222.29	ecp.entsoe.eu:5672 62.209.222.29	ecp.entsoe.eu:5671 62.209.222.29
ECP new	ecp.tp-uat.entsoe.eu:5671 51.137.9.102	ecp.tp-iop.entsoe.eu:5671 20.31.194.118	ecp.tp.entsoe.eu:5671 20.71.78.90
WS current	uat-transparency-ws- test.entsoe.eu 62.209.222.17	transparency-ws- test.entsoe.eu 62.209.222.27	transparency-ws.entsoe.eu 62.209.222.22
WS outgoing current	62.209.222.2	62.209.222.2	62.209.222.2
WS new	ws-submission.tp- uat.entsoe.eu 51.137.9.102	ws-submission.tp- iop.entsoe.eu 20.31.194.118	ws- submission.tp.entsoe.eu 20.71.78.90
WS outgoing new	52.174.254.237	52.174.254.237	52.174.254.237
Web API current	uat- transparency.entsoe.eu/api 62.209.222.9	iop- transparency.entsoe.eu/api 62.209.222.11	transparency.entsoe.eu/api 62.209.222.10
Web API new	web-api.tp- uat.entsoe.eu/api 62.209.222.8	web-api.tp- iop.entsoe.eu/api 62.209.222.36	web-api.tp.entsoe.eu/api 62.209.222.31

DNS entries

In order to provide an association between the production environment address and the public URL of the web presence, the https DNS entry must be set on the morning of January 5th. DNS entry for ftp service on the production environment will be set on December 1st.

7. Access to R1 Data after Jan 5th 2015

After a short period for final corrections to data submitted prior to Jan 5th, yearly files from the existing platform will be extracted (xml & xls) and the zip files provided for download from entsoe.eu platform. No GUI access through web presence will be provided, except for links to these yearly download files. Yearly extract files will be provided per combination of country and

data domain, with a consistent file-naming convention to aid identification. Files will be accessed through a link in the header of the platform portal pages.

8. Stakeholder Communications

A separate detailed communications plan is in preparation, Key points to be covered are listed below.

Following points are to be communicated to data providers

- Arrangements for user accounts, credentials etc.
- Arrangements for configuration and setup of R2 production environment
- Location of supporting documentation & advice
- Support routes
- Environment addressing & availability

Following points are to be communicated to public users

- Relationship between R1 & R2 publication
- Start-up of R2 publication
- Completion and conclusion of R1 publication
- Availability and location of R1 data after R1 shutdown
- Transfer of account details if registered
- URLs to be used
- New functions for subscription & download of data through ECP, WS etc.

Linking and web presence changes

- Link(s) from www.entsoe.eu to Release2 production has to be inserted on January 5th
- Message announcing new platform has to be inserted into dashboard on www.entsoe.net and on appropriate page of www.entsoe.eu on January 5th