

ETR & ACER REMIT: NG – Market Interface Specification

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1 Purpose

The purpose of this document is to specify the interface details and the report specification required for the ETR project. This document specifies detailed information about the data required to build reports to be exchanged between Market Participant and National Grid.

National Grid will provide a system called MODIS (Market Operations Data Interface System) for the Market Participant's interface.

2 Glossary

Abbreviation	Description
ACC	Accept
ACK	Acknowledgement
BTU	Balancing Time Unit
EC	European Commission
EIC	Energy Identification Code
EMFIP	Electricity Markets Fundamental Information Platform
ENTSO-E	European Network of Transmission System Operators for Electricity
ETR	European Transparency Regulation
EU	European Union
GUI	Graphical User Interface – the screens
MODIS	Market Operation Data interface System
MP	Market Participant
MTU	Market Time Unit
NACK	Negative Acknowledgement
NGET	National Grid Electricity Transmission
REJ	Reject
REMIT	Regulation for Energy Markets Integrity and Transparency
sFTP	Secure File Transfer Protocol
TLS	Transport Layer Security
TSO	Transmission System Operator
UTC	Universal Time Coordinated The UTC Date and Time format would be “2007-04-05T14:30:50Z” Here “Z” is the Time Zone designator if the time is in UTC adds the Z directly after the time without a space. Here “T” is the prefix for the UTC time.
XML	eXtensible Markup Language. A markup language that defines a set of rules for encoding documents in a format which is both human-readable and machine-readable
MP	Market Participants
XSD	XML Schema Definition
BMRS	Balancing Mechanism Reporting Service
REMIT	Regulation on Wholesale Energy Markets Integrity and Transparency

3 Requirement

The Market Participants are required to provide data for the following ETR Articles and for REMIT:

- A7.1a - Planned unavailability of consumption units
- A7.1b - Actual availability of consumption units
- A10.1c - Unavailability of offshore infrastructure

- A15.1a – Planned Unavailability of Generation Units
- A15.1b - Actual Unavailability of generation unit
- A15.1c - Planned Unavailability of Production Units
- A15.1d - Actual Unavailability of production unit
- B2010 – REMIT - Info on Outages and generation & and Consumption Units

3.1 Unavailability of Consumption Units

B0710: Planned Unavailability of Consumption Units (A7.1a)

Priority: Must have
Frequency: Ad-hoc
Data Volume: Low

Requirement

1. To provide the 'Planned Unavailability of Consumption Units'
 - 1.1. This is required only if the available consumption capacity is decreased by more than 100 MW during more than one market time unit.
 - 1.2. The Consumption Unit sends the unavailability information with the exact start time and estimated end time
 - 1.3. In case the submission of start and stop dates does not contains information of minutes, they should be considered equal to zero.
2. The information must be published as soon as possible but no later than one hour after the decision regarding the planned unavailability is made.

The primary owner of this data is the Consumption Unit.

B0720: Changes in Actual Availability of Consumption Units (A7.1b)

Priority: Must have
Frequency: Ad-hoc
Data Volume: Low

Requirement

1. To provide the 'Changes in Actual Availability of Consumption Units'
 - 1.1. This is required only if the available consumption capacity is decreased by more than 100 MW during more than one market time unit.
 - 1.2. The Consumption Unit sends the unavailability with the exact start time and end time
 - 1.3. In case the submission of start and stop dates does not contains information of minutes, they should be considered equal to zero.
2. The information must be published as soon as possible but no later than one hour after the change in actual availability.
3. The primary owner of this data is the Consumption Unit

3.2 Unavailability of Transmission Infrastructure

B1030: Changes in Actual Availability of Off-Shore Grid Infrastructure (A10.1c)

Priority: Must have
Frequency: Ad-hoc
Data Volume: Low

Requirement

1. To provide the 'Changes in the actual availability of off-shore grid infrastructure'
 - 1.1. This is changes in the actual availability of off-shore grid infrastructure that reduce wind power feed-in by 100MW or more during at least one market time unit
2. The information must be published as soon as possible but no later than one hour after the change in actual availability.
3. The outage subjects may be provided with links to pages that provide full details; type, name and location. This is displayed in a list if more than one asset has been declared.
4. The primary owner of this data is the Offshore Transmission Owner (OFTO).

3.3 Unavailability of Generation and Production Units

B1510: Planned Unavailability of Generation Units (A15.1a)

Priority: Must have
Frequency: Ad-hoc
Data Volume: Low

Requirement

1. To provide the 'Planned unavailability of generation units'
 - 1.1. This is only required if the planned unavailability is 100 MW or more
 - 1.2. A new report is needed when availability changes upwards or downwards by 100 MW or more
 - 1.3. This is required only if the unavailability is expected to last for at least one settlement period
 - 1.4. This includes information on unavailability up to three years ahead
 - 1.5. The "available capacity during the event" means the minimum available generation capacity
 - 1.6. The status is 'active' when availability is reduced and 'cancelled' when availability is increased
2. The data may relate to Generation Unit in a data model but the 'owner' of the data is the Company to which the Generating Unit belongs.
3. The information must be published as soon as possible, but no later than one hour after the decision regarding the planned unavailability is made.

B1520: Changes in Actual Availability of Generation Units (A15.1b)

Priority: Must have
Frequency: Ad-hoc
Data Volume: Low

Requirement

1. To provide the 'Changes in Actual availability of generation units'

- 1.1. This is changes of 100 MW or more in actual availability of a generation unit expected to last for at least one settlement period
- 1.2. This report is not required if the actual unavailability has been planned and already reported with the correct available capacity.
- 1.3. The “available net capacity during the event” means the minimum available generation capacity during the period specified.
2. The information must be published as soon as possible but no later than one hour after the change in actual availability.
3. The data may relate to Generation Unit in a data model but the 'owner' of the data is the Company to which the Generating Unit belongs.

B1530: Planned Unavailability of Production Units (A15.1c)

Priority:	Must have
Frequency:	Ad-hoc
Data Volume:	Low

Requirement

1. To provide the ‘Planned unavailability of Production units’
 - 1.1. This is only required if the planned unavailability is for stations of 200 MW or more
 - 1.2. This includes changes of 100 MW or more in the planned unavailability of that production unit
 - 1.3. This is required only if the unavailability is expected to last for at least one settlement period
 - 1.4. This includes information on unavailability up to three years ahead
 - 1.5. The “available capacity during the event” means the minimum available generation capacity
 - 1.6. This report is not required if the information about unavailability is already provided as part of the ‘unavailability of Generation Units’
2. The information must be published as soon as possible, but no later than one hour after the decision regarding the planned unavailability is made.
3. The data may relate to Production Unit in a data model but the 'owner' of the data is the Company to which the Production Unit belongs.

B1540: Changes in Actual Availability of Production Units (A15.1d)

Priority:	Must have
Frequency:	Ad-hoc
Data Volume:	Low

Requirement

1. To provide the ‘Changes in Actual availability of production units’
 - 1.1. This applies to changes of 100 MW or more in actual availability of a production unit with capacity of 200MW or more expected to last for at least one settlement period
 - 1.2. This report is not required if the actual unavailability has been planned and already reported with the correct available capacity.
 - 1.3. The “available net capacity during the event” means the minimum available generation capacity during the period specified.
2. The information must be published as soon as possible but no later than one hour after the change in actual availability.

4. The data may relate to Production Unit in a data model but the 'owner' of the data is the Company to which the Production Unit belongs.

3.4 REMIT Requirements

B2010: Information on Outages of Generation and Consumption Units

Priority:	Must have
Frequency:	Ad-hoc
Data Volume:	Low

Requirement

1. To provide Information on Outages of Generation and Consumption Units
 - 1.1. National Grid is required to provide a mechanism to pass the data submitted by market participants to Elexon.
 - 1.1.1. The data includes any planned outage, limitation, expansion or dismantling of capacity of one generation unit, consumption or transmission facility that equals or exceeds 100 MW, including changes of such plans;
 - 1.1.2. The data also includes any unplanned outage or failure of capacity that equals or exceeds 100 MW for one generation unit, consumption or transmission facility, including updates on such outages or failures.
 - 1.2. Market participants must be able to submit the data at any time of the day/night.
 - 1.3. It is up to the Owner of the unit/asset having an outage to decide if their information needs to be submitted to National Grid.
2. The information must be provided to Elexon for publication within 5 minutes of receipt by National Grid
3. The primary owners for this data are the Market Participants

UC1 and UC2: Unavailability's of Electricity Facilities flow (P329 and P63) Other Market Information

ACER has set out standard schema format's (XSD's) for BSC parties to submit data via MODIS about the disclosure of Unavailability's of Electricity Facilities and any Other Market Information that could impact Electricity market.

As a result, the REMIT Inside Information submitted by Market Participants, National Grid's MODIS and ELEXON system must align with the definitions in ACER's XSD (which would be shared by ELEXON) and the below requirements have been identified:

- 1) Changes to existing MODIS REMIT Screen (Addition and deletion of fields) and report pertaining to message flow.
- 2) Create additional fields to capture multiple Outage Profiles.
- 3) Submit Other market information – other type of Inside Information

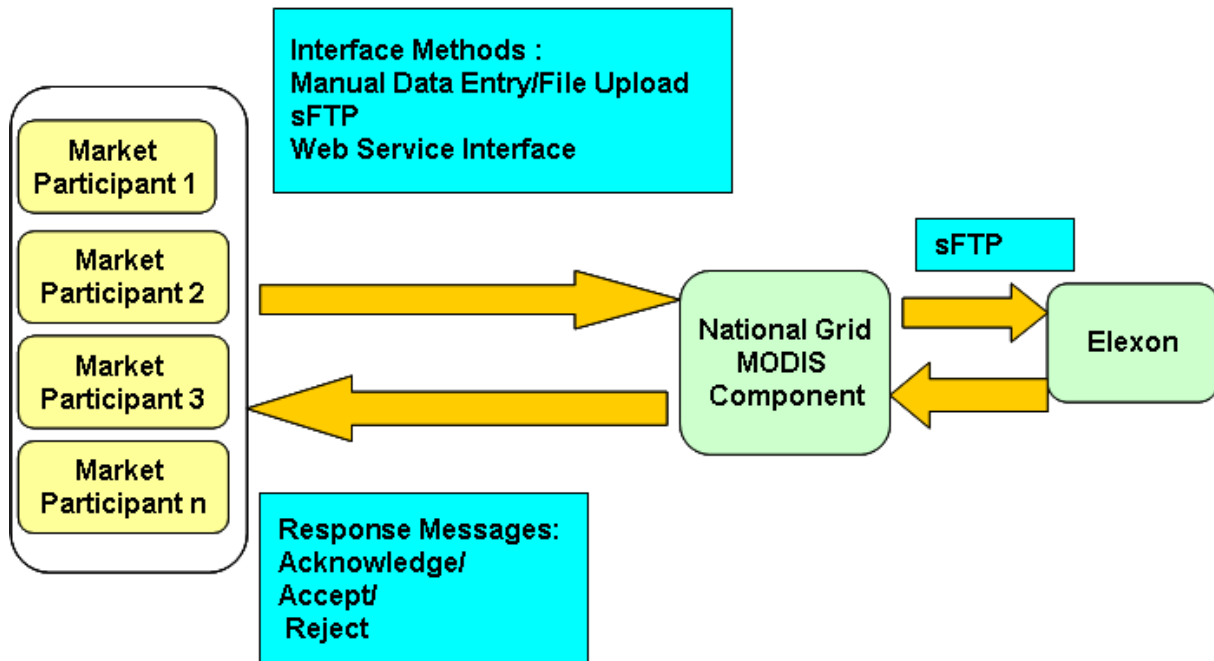
Changes required in National Grid's MODIS system, ELEXON BMRS system and Market participants to submit REMIT Inside Information using either the Manual entry through GUI screen provided by MODIS, or XML file upload functionality (sFTP or file upload or web service), which are used by BSC parties.

4 Interface Methods

This section describes the interface methods identified for the data transfer between Market Participants and National Grid MODIS component.

4.1 Market Participant -> NG Interface

The below diagram shows the interaction between market participants and National Grid MODIS component,

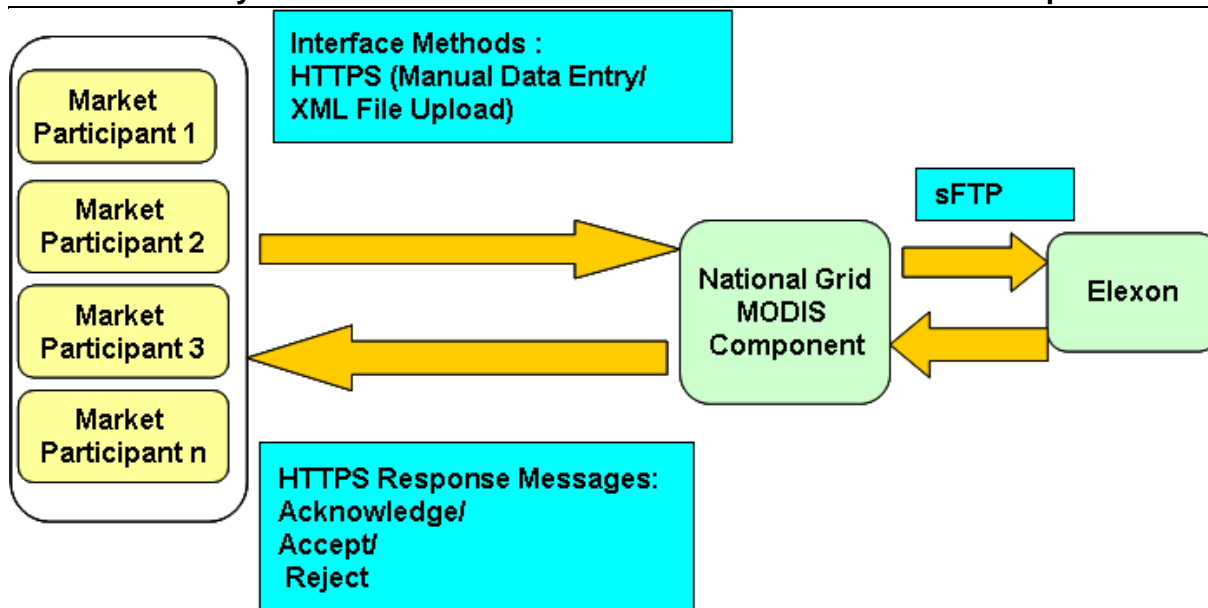


Interface Flow:

- The Market Participants can provide the required data using one of the methods below:
 - Manual Data Entry /File Upload
 - sFTP file transfer using XML File format
 - Web Service
- Only one response message as acknowledgement/accept or reject would be provided to the Market Participants.

4.1.1 Manual Data Entry Using GUI Form / XML File Upload

The below diagram describes the interaction between market Participants and National Grid MODIS Component via interface method manual data entry using GUI form and XML File upload.



4.1.1.1 Manual Data Entry Using GUI Form

Manual Data Entry Using GUI Form:

- The Market Participants will access ETR GUI view to manually enter data into the system by selecting the appropriate report type. The user then enters information into the data fields and submits it to MODIS.
- The system will validate the data entered into the fields. On completion of validation, information submitted will be extracted and stored in the database. The system will display a screen to the user to indicate that the information entered have been received for processing. The information will then be stored in the system.
 - Where there are issues with the data received, an acknowledgement will be displayed to the user. Once an acknowledgment or successful data entry information has been displayed, there will be no further message to be displayed to the user.
- The system will use the stored information to create a report and send it to ELEXON using underlying sFTP process.
 - Where there are issues with the report sent, ELEXON will generate and send an acknowledgement back to MODIS - using FTP.
 - Next time when Market Participant will login the ETR system they would be able to see the confirmation/rejection message.
- On completion of processing within ELEXON, it will then send a Confirmation or Rejection file to MODIS.
 - Next time when Market Participant will login the MODIS system they would be able to see the confirmation/rejection message.

Sample Screens for Manual Data Entry using GUI Form:

To login into the system, users will be required to provide their unique credentials (i.e. user name and password) which will be authenticated against the NG active directory. The credentials are expected to be the same as the one-Net user account details. Authenticated and authorised users will be directed to the 'ETR Home Page' to access ETR functions and load data into the system. The below screen shows the sample login screen which could be used to login into the ETR system.

-: Login

User Name

Password

Below is the main ETR screen which will allow all users to; (i) manually provide data for each of the reports (ii) upload XML data files.

Please select the method to provide the Report:

Manually Enter Data For Reports

Upload XML Data Files

If user will select the option to manually enter the data for reports, the system will provide a list of all article/remit data options to choose from via below screen.

Please choose the Article for which you would like to provide the data:

Article 7.1a - Planned Unavailability Of Consumption Units

Article 7.1b - Actual Availability Of Consumption Units

Article 10.1c - Actual Availability of Off-Shore Grid Infrastructure

Article 15.1a - Planned Unavailability of Generation Units

Article 15.1b - Actual Availability of Generation Units

Article 15.1c - Planned unavailability of production units

Article 15.1d - Actual Availability of Production Units

Remit - Information on Outages of Generation and Consumption Units

Once user selects the appropriate Article, then all the Meta Data/Header for that article would be pre-populated. User need to enter the content which would be processed using the XSD once they submit via a submit button.

Article 7.1a - Planned Unavailability Of Consumption Units

Document Identifier: <MP EIC Code>-NGET- P Revision Number: 1

Document Type: Load Unavailability Process Type: Unavailability Information

Create Date Time: 2014-03-16T Sender EIC Code: MP EIC Code

Sender Role: Data Provider Receiver EIC Code: 10X1001A1001A515

Receiver Role: System operator Unavailability Start Date: 2014-03-16T

Unavailability End Date: 2014-03-16T Document Status: Active

Reason: [Add Reason](#)

TimeSeries ID	Business Type	Zone	Start Date	End Date	Unit Name	ProdUnit ID	ProdUnit Name	ProdUnit Type	ProdUnit Location	GenUnit ID	GenUnit Name	GenUnit Capacity	Asset	Quantity	Reason
-PUCU- 0001	Maintenance	GB-----A											BARK-1	Add Quantity	Add Reason
-PUCU- 0002	Maintenance	GB-----A											BARK-1	Add Quantity	Add Reason
-PUCU- 0003	Maintenance	GB-----A											BARK-1	Add Quantity	Add Reason
-PUCU- 0004	Maintenance	GB-----A											BARK-1	Add Quantity	Add Reason

A single reduced availability event can consist of a set of availabilities at various levels with from/to times.




There are some dependent mandatory data to be entered using the hyperlink or button. When user would click on “Add Reason” hyperlink he/she would be able to enter the multiple records for the reason for both Unavailability Market Document and Time Series.

Reason Code

Reason Code ▼ Failure

Reason Text ▼



Submit
Cancel

#	Reason Code	Reason Text	Edit
1	Failure	Reason description 1	
1	Forseen Maintenance	Reason description 2	
1	Failure	Reason description 3	

1

When user would click on “Add Quantity” hyperlink he/she would be able to enter the multiple records for the Availability Period and Quantity associated with Time Series.






Add Quantity

Start Date  End Date 

Resolution : ▼ Half Hourly

Position 0 Quantity 0

Submit
Cancel

#	Start Date	End Date	Resolution	Position	Quantity	Edit
1	2014-03-14T14:00Z	2014-03-14T14:30Z	Half Hourly	1	50.55	
2	2014-03-14T14:30Z	2014-03-14T15:00Z	Half Hourly	1	54.33	
3	2014-03-14T15:30Z	2014-03-14T16:00Z	Half Hourly	1	54.33	
4	2014-03-14T16:30Z	2014-03-14T17:00Z	Half Hourly	1	54.33	
5	2014-03-14T17:30Z	2014-03-14T18:00Z	Half Hourly	1	54.33	

1

Note: These are the sample screens and would be finalized and enhanced during development phase

GUI Enhancements – ACER REMIT requirements (P329 & P63)

REMIT screen will have enhancements to capture Unavailability’s of Electricity Facilities and any Other Market Information as stated in the requirement section 3.4 (UC1 and UC2),

Following are the key snap shots of the REMIT UI enhancements to capture. Please note these are sample screens and would be finalized during actual implementation.

REMIT Message Type Selection Screen

Figure 1: UI to select the type of REMIT message to be submitted.

From the UI above (Figure 1), user can select the type of message to be submitted i.e. Unavailability's of Electricity Facilities or Other Market Information.

A) For submitting the Unavailability's of Electricity Facilities, following screen to be used.

Figure 2: UI to capture Unavailability of Electricity Data (Heading)

Outage Profile Segments Screen

MODIS
ACER REMIT - Capacity Changes, Multiple Outage Profiling and Other Market Information

Unavailability of Electricity Facilities
Outage Profile Segments

Segment Count	Outage Segment Start <small>Please enter times in GMT</small>	Outage Segment End <small>Please enter times in GMT</small>	Outage Duration	Installed Capacity	Available Capacity	Delete
<div style="display: flex; justify-content: space-between; align-items: center; margin-bottom: 5px;"> 20 ◀ ▶ (1 of 1) ▶ ▶ </div>						
<div style="display: flex; justify-content: space-between; align-items: center; margin-bottom: 5px;"> 20 ◀ ▶ (1 of 1) ▶ ▶ </div>						

Number of Outage Segments to be added :

Add Outage Segment

Delete Selected Outage Segment

- ★ All Capacity values need to be entered in Megawatts (MW).
- ★ Up to 200 Outage Profile Segments can be added by clicking on the Add Outage Segment button.
- ★ Market Participants are advised that segments should be sequential i.e. The start date and time of next segment matches end date and time of previous.
- ★ The initial segment start date and time and final segment end date and time have been auto populated to match the event start and end date and time.

Submit

No changes to the existing section here

Figure 3a: UI to capture Outage data

Outage Profile Segments Screen

MODIS
ACER REMIT - Capacity Changes, Multiple Outage Profiling and Other Market Information

Unavailability of Electricity Facilities
Outage Profile Segments

20 ⏪ ⏩ (1 of 1) ⏪ ⏩

Segment Count	Outage Segment Start <small>Please enter times in GMT</small>	Outage Segment End <small>Please enter times in GMT</small>	Outage Duration	Installed Capacity	Available Capacity	Delete
1	2017-03-31 04:00:00 <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
1	<input type="text"/>	2017-04-01 04:00:00 <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>

20 ⏪ ⏩ (1 of 1) ⏪ ⏩

Number of Outage Segments to be added :
Add Outage Segment
Delete Selected Outage Segment

- ★ All Capacity values need to be entered in Megawatts (MW).
- ★ Up to 200 Outage Profile Segments can be added by clicking on the Add Outage Segment button.
- ★ Market Participants are advised that segments should be sequential i.e. The start date and time of next segment matches end date and time of previous.
- ★ The initial segment start date and time and final segment end date and time have been auto populated to match the event start and end date and time.

Submit

No changes to the existing section here

Figure 3b: Example UI with three outage profile segment rows added.

B) For submitting the Other Market Information, following screens to be used

Other Market Information Screen

MODIS

ACER REMIT - Capacity Changes, Multiple Outage Profiling and Other Market Information

Other Market Information	Outage Profile Segments		
Version	<input type="text" value="2.0"/>	Sender Market Participant ID	<input type="text" value="National Grid"/>
MRID	<input type="text" value="10X1001A1001A515-NGET-R"/>	Sender Market Participant Role *	<input type="text" value="Please Select..."/>
Revision Number	<input type="text" value="1"/>	Receiver Market Participant ID	<input type="text" value="ELEXON"/>
Document Type	<input type="text" value="REMIT_document"/>	Receiver Market Participant Role	<input type="text" value="Market information aggregato"/>
Created Date and Time in GMT	<input type="text" value="Auto filled on submission"/>		
Message Heading *	<input type="text"/>	Market Participant ID *	<input type="text"/>
Asset ID *	<input type="text"/>	Asset Type	<input type="text" value="Please Select..."/>
Event Status *	<input type="text" value="Please Select..."/>	Event Start * <small>Please enter times in GMT</small>	<input type="text" value=""/>
Duration Uncertainty	<input type="text"/>	Cause *	<input type="text"/>
		ACER Registration Code *	<input type="text"/>
		Affected Area	<input type="text" value="Please Select..."/>
		Event End <small>Please enter times in GMT</small>	<input type="text" value=""/>
		Related Information	<input type="text"/>

No changes to the existing section here

★ Fields followed by asterisk (*) are mandatory.

Figure 4: UI to capture Other Market Information

Outage Profile Segments Screen

MODIS
ACER REMIT - Capacity Changes, Multiple Outage Profiling and Other Market Information

Other Market Information
Outage Profile Segments

Segment Count	Outage Segment Start <small>Please enter times in GMT</small>	Outage Segment End <small>Please enter times in GMT</small>	Outage Duration	Available Capacity	Delete
<div style="display: flex; justify-content: space-between; align-items: center; margin-bottom: 5px;"> 20 ◀ ▶ (1 of 1) ▶▶ </div>					
<div style="display: flex; justify-content: space-between; align-items: center;"> 20 ◀ ▶ (1 of 1) ▶▶ </div>					

Number of Outage Segments to be added :

- ★ All Capacity values need to be entered in Megawatts (MW).
- ★ Up to 200 Outage Profile Segments can be added by clicking on the Add Outage Segment button.
- ★ Market Participants are advised that segments should be sequential i.e. The start date and time of next segment matches end date and time of previous.
- ★ The initial segment start date and time and final segment end date and time have been auto populated to match the event start and end date and time.

No changes to the existing section here

Figure 5a: UI to capture the Outage data.

Outage Profile Segments Screen

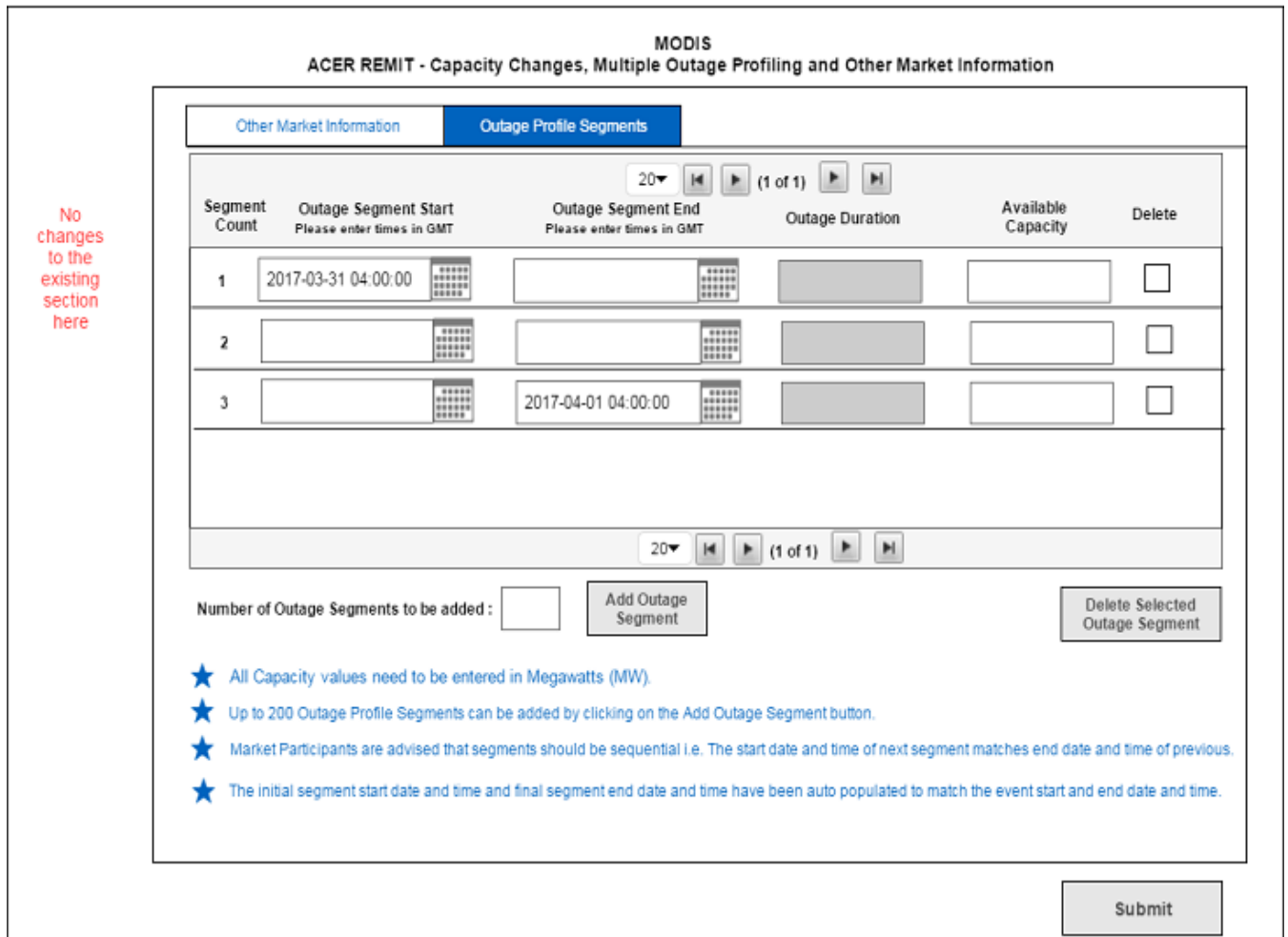


Figure 5b: Example UI with three outage profile segment rows added.

4.1.1.2 Upload XML File

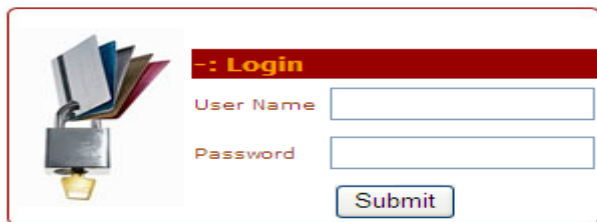
Upload XML File using GUI Form:

- The Market Participants will access ETR view to upload an XML data file by selecting the source folder, destination folder, the file to be uploaded and the report type to be created.
- The system will check to ensure the sender is allowed to provide data to NG (i.e. valid sender information) and that the structure of the XML data file is valid.
 - An acknowledgement screen from MODIS will be displayed to the Market Participants where there is a failure during the check for a valid Market Participant’s code and file structure.
- If there are no issues with the uploaded data file, the system will display a screen to show that the file has been successfully uploaded.
- The data file will be processed by MODIS and report sent to ELEXON folder using a similar FTP process described above. Processing within ETR will include replacing the sender information (e.g. EIC code) with that of Elexon.
 - Where there are issues with the file received during processing, ELEXON will provide an acknowledgement back to MODIS.
 - Next time when Market Participant will login to the ETR system they would be able to see the confirmation/rejection message.
- On completion of processing within ELEXON, it will then send a Confirmation or Rejection file to MODIS.

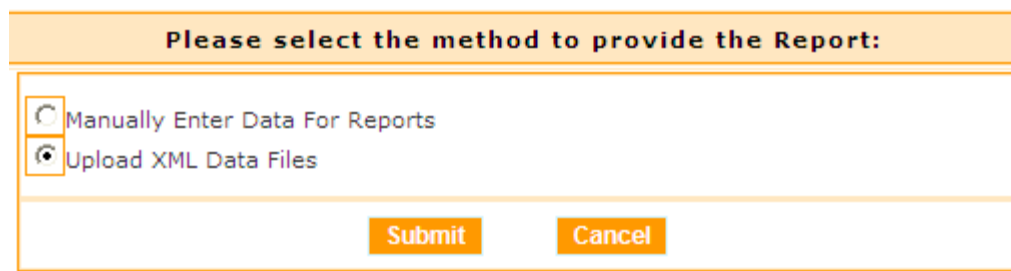
- Next time when Market Participant will login the MODIS system they would be able to see the confirmation/rejection message.

Sample Screen for XML File Upload:

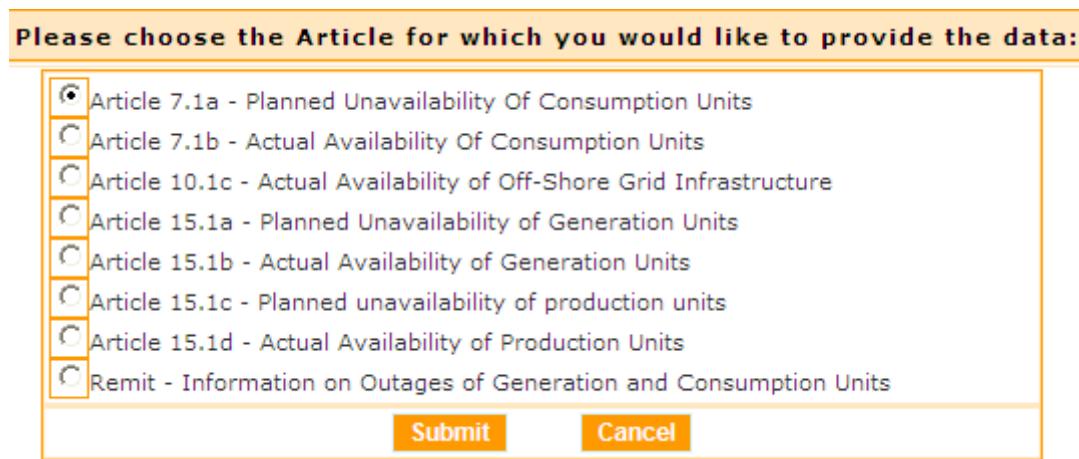
To login into the system, users will be required to provide their unique credentials (i.e. user name and password) which will be authenticated against the NG active directory. The credentials are expected to be the same as the one-Net user account details. Authenticated and authorised users will be directed to the 'ETR Home Page' to access ETR functions and load data into the system. The below screen shows the sample login screen which could be used to login into the MODIS system.



Below is the main MODIS screen which will allow all users to; (i) manually provide data for each of the reports (ii) upload XML data files.



If user will select the option to upload XML Data Files, the system will provide a list of all article/remit data options to choose from via below screen.



Below screen will allow NG internal users to upload data files. The screen will allow a user to browse to the source location, target location and to specify a file to be uploaded. The system will then send the file across using sFTP utility.

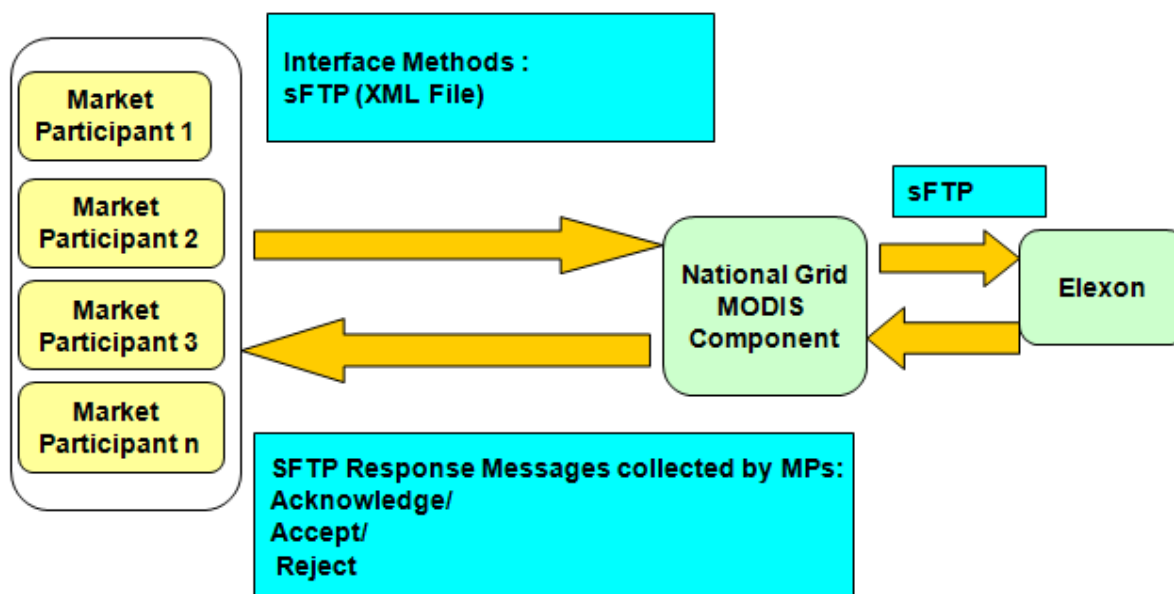
Unavailability of Consumption Unit

FTP a XML File (Unavailability of Consumption Unit)

Note: These are the sample screen and it would be finalized and enhanced during development phase.

4.1.2 sFTP (System to System) Interface

The below diagram describes the interaction between market Participants and National Grid MODIS Component via interface method sFTP.



sFTP Flow:

- Market Participants will create a file and send it to an agreed ETR folder location. The application will poll the ETR folder location for the file sent by the Market Participant. An agreed naming convention (`<MP_EIC_CODE>-NGET-<ReportType>-<SequenceNumber>-<RevisionNumber>.xml`) e.g. (`48X00000000080X-NGET-RMT-00011736-2.xml`), will ensure files are unique to each Market Participants and type of report to be created.
- On receiving the file, the system will check to ensure the sender is allowed to provide data to NG (i.e. valid sender information) and that the structure of the XML data file is valid.
 - Where it has not been possible to process the file due to errors about sender or structure of the file, an acknowledgement file will be created and sent from MODIS to an agreed location specific to each Market participant which is (`etr/modis/reports/mp/<MP_Name>/ack/prod/`) e.g. (`etr/modis/reports/mp/sse_2/ack/prod/`)
- The data file will be processed by MODIS and a report sent to ELEXON using a similar sFTP protocol described above. The processing will include replacing the sender information (e.g. EIC code) with that of Elexon
 - Where it has not been possible for ELEXON to process the file, ELEXON will then provide acknowledgement back to MODIS regarding the specific report received. MODIS system will poll the agreed folder location (`/opt/app/etr/modis/reports/inbound/receivedfromelexon`) for the acknowledgment file which will in turn be sent to the Market Participants.
- On completion of the processing within ELEXON, it will then send a Confirmation or Rejection file to MODIS. MODIS will poll the agreed folder location (`/opt/app/etr/modis/reports/inbound/receivedfromelexon`) for the Confirmation / Rejection file.
- On receiving a Confirmation or Rejection, MODIS will make the ACK/NACK available for MPs to collect.

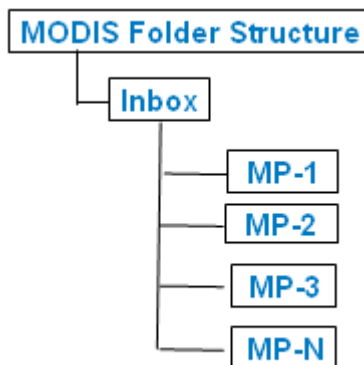
sFTP Access Requirement: All Market Participants that want to use sFTP interface method must state this in-advance so that appropriate FTP User IDs are set-up on both NG and MP systems.

sFTP Folder Requirement for National Grid:

National Grid will need to specify the Inbound and Outbound folder structure.

Outbound Folders: National Grid will not expose these folders to Market Participants.

Inbound Folders: Each Market Participant will have a specific inbound folder assigned. Naming convention will ensure files are unique. Market Participants will have the write permission to upload the file to their corresponding folder.



sFTP Folder Requirement for Market Participant:

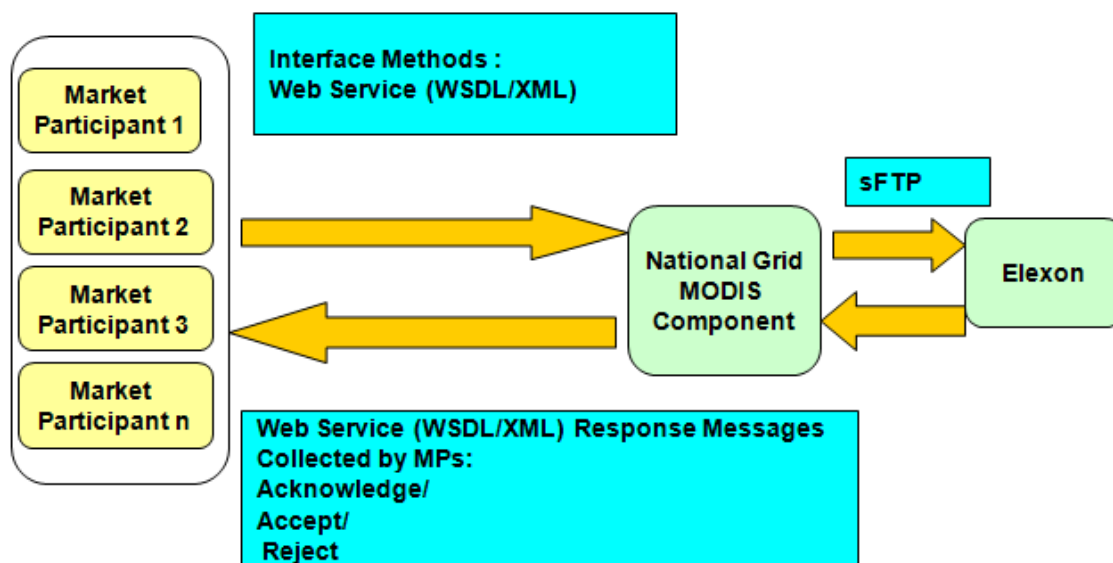
Market participants will need to specify the Inbound and Outbound folder structure.

Outbound Folders: May not expose these folders to National Grid.

Inbound Folders: Each Market Participant will have to specific inbound folder. Naming convention will ensure files are unique. National Grid must have the write permission to upload the acknowledgement file to the corresponding Market Participant’s inbound folder.

4.1.3 Web Service

The diagram below describes the interaction between market Participants and National Grid MODIS Component via interface method Web Service.



As part of ACER REMIT requirement stated in requirement section 3.4 (UC1 and UC2), the SOAP binding would be migrated from SOAP1.1 to SOAP1.2.

4.1.3.1 Available Web Services

- National Grid will provide two Webservices as follows, one for Market Participants to submit the Outages/Remit data and another for collecting the acknowledgement files:
 - [Request Service:](#)

Service Name: [ParticipantsNGRIDOutageRequest](#)

Input parameters: XML File , UserName , Password , FileName

Description: Using this service Market participant can submit the Outage and Remit Reports.

- [Response Service:](#)

Service Name: [NGRIDParticipantsOutageResponse](#)

Input parameters: DocBusMRID , RevisionNumber , Username , Password

Description: Using this service market participant can fetch the acknowledgement placed in the respective MP folder. The Response web service is to fetch the acknowledgement received by Elexon. Once the ACK/NACK is received from Elexon, MODIS application checks if the acknowledgement is related to a web service submission, if so it will place the file in the respective MP folder.

- The Request service above will perform the initial service layer validation and produce one of the following return codes and an initial response back to the initiator:

Return code	Description
00	Message received and will be processed
01	Login Failed . Try again with correct username and password
02	Unable to read the file
04	LDAP Connection Error

MPs should only initiate a Response service if a successful ('00') return code has been received for the appropriate Request service sent to NG.

- Following on from the service layer validation, the system will check the data received to ensure the sender is allowed to provide data to National Grid (i.e. valid sender information) and that the structure of the XML data file is valid.
- The data file will be processed by MODIS and sent to ELEXON using a FTP protocol.
 - Where there are issues with the data received, MODIS will place Ack/NACKs in a folder for MPs to collect by invoking the response Web Service stated above.
- On completion of processing within ELEXON, it will then send a Confirmation or Rejection file to MODIS.
- On receiving a Confirmation or Rejection from ELEXON, MODIS will place the Ack/NACKs in a folder for MPs to collect by invoking a Web Service.

Please note that once the Ack/NACK files have been collected by the Market Participants, via the response service above, the file is then removed from the system and cannot be retrieved again.

4.1.3.2 Web Service Security and Authentication

Web service authentication will be based on TLS for connections between the parties and Access Control Security with the users and roles specified. It will utilise the user credentials for authentication. Userid /Password set-up for the ETR access via the internet can be utilised as the user credentials for invoking the Web services.

4.1.3.3 Sample WSDL

The sample WSDL attached in section 11 of this document.

4.1.4 Details of WSDL (URL)

The details of WSDL files can be found at the following locations
For FOF and for PROD the first link is for submitting files (Request service) and the second link is for requesting Acks/Nacks (Response service)

4.1.4.1 External URLs

FOF:
URL's are available on registration/request

Production:
URL's are available on registration/request

4.1.4.2 Web Services - Invoke with an Override

IMPORTANT: Please note that the routine or the class used to invoke the Web Services above will need to have an override to use the [URLs mentioned in the External URL paragraph above](#) rather than using the url in the <wsdlsoap: address location=...../> in WSDL.

This is because the services need to be invoked using 'https' rather than the WSDL address location which is pointing to an 'http' address, which is required internally by NG.

Java code example (similar changes would need to be made if a different language is used to invoke the service) with the override would be as follows:

```
String endPointUrlValue = " URL's are available on registration/request";
URL endPointURL= new URL(endPointUrlValue);
ParticipantsNGRIDOutageRequestService outageService = new
ParticipantsNGRIDOutageRequestService(endPointURL, new QName(" URL's are available on
registration/request", "ParticipantsNGRIDOutageRequestService"));
ParticipantsNGRIDOutageRequest getServicePort = outageService.getParticipantsNGRIDOutageRequest();

//Necessary to prevent connectivity issues over HTTPS
BindingProvider bindingProvider = (BindingProvider) getServicePort;
bindingProvider.getRequestContext().put(BindingProvider.ENDPOINT_ADDRESS_PROPERTY, endPointUrlValue);
```

Note: The above example is for MODIS test system. For production MODIS the url will be: "[URL's are available on registration/request](#)";

5 File Naming Convention

This section describes the file naming convention recommended for XML reports.

File Format:

<MP EIC Code> -NGET-<Report Name>-<Sequence Number>-<Revision Number>

Where

<MP EIC Code> = 16 Characters EIC Code for Market Participant

<Report Name>= 4 Characters abbreviated report name.

<Sequence Number>=8 Numeric Character Sequence Number.

<Revision Number>= 3 Numeric Character (leading zeros suppressed)

Example:

Article 7.1a Planned Unavailability for Consumption Unit (PUCU) report

17X100A100R01332-NGET-PUCU-00000001-1

6 File Errors and Reason codes

This section describes the reason codes that may be returned by National Grid MODIS, ELEXON BMRS or EMFIP in acknowledgements when submitted files contain errors.

6.1 ELEXON and EMFIP Error Message Codes

The Acks/Nacks, generated by BMRS use the standard ENTSOE Acknowledgement.xsd using the associated set of reason codes.

The Codes for Errors Messages about files that are reported by ELEXON and EMFIP can be found in the document MoP Ref13 - entso-e-code-list-v27r0 in section 3.22 StandardReasonCodeTypeList. This can be found on the ENTSOE website and is available via [Referenced Documents for MoP \(V2.0\)](#)

The codes are not included here to ensure the latest version is accessed.

6.2 National Grid MODIS Error Message Reason Codes

The Reason Codes for Errors Messages about files that are reported by National Grid MODIS can be found in the table below

Reason Code At the document level	
A01	Message fully accepted
A02	Message fully rejected
A03	Message contains errors at the time series level
A04	Schedule time interval incorrect
A51	Message identification or version conflict
A52	Time series missing from new version of message
A53	Receiving party incorrect
A59	Not compliant with local market rules
A94.	Document cannot be processed by receiving system
Reason code At the time series level	
A20	Time series fully rejected
A21	Time series accepted with specific time interval errors
A41	Resolution inconsistency
A50	Senders time series version conflict
A55	Time series identification conflict
A56	Corresponding time series not netted
A57	Deadline limit exceeded
A59	Not compliant with local market rules

7 Report Specifications for EMFIP

7.1 Article 7 - Information Relating to the Unavailability of Consumption Units

7.1.1 BRD ID: B0710 (A7.1a) - Planned unavailability of consumption units

Ref	Class	Title	Definition	Format	Mandatory	Value	Comments
1	Unavailability Market Document	mRID	<p>Unique identification of the document being exchanged within a business process flow. This identifies a given unavailability document.</p> <p>An Unavailability Market Document describes a specific unavailability and must have a unique identification assigned by the sender of the document for all transmissions to the receiver.</p> <p>All additions, modifications, or suppressions concerning the unavailability must use the same identification</p>	35 Characters	Yes	<p><MP EIC Code>- NGET-PUCU- <Sequence Number></p> <p>e.g. <MP EIC Code>-NGET-PUCU-00000001</p>	<p>PUCU = Planned Unavailability of Consumption Unit.</p> <p>The elements "mRID" and "revisionNumber" provide the complete identification of a document. Every time a document is modified the "mRID" does not change but the "revisionNumber" is incremented. A duplicate document within the system is any document received that has the same "mRID" and "revisionNumber" for a given sender.</p>
2	Unavailability Market Document	revisionNumber	<p>Identification of the version that distinguishes one evolution of a document from another.</p> <p>The document version is used to identify a given version of a time series set for a given Period Time Interval.</p> <p>The first version number for a given document identification shall normally be 1.</p> <p>The document version number must be incremented for each retransmission of a document that contains changes to the previous version.</p>	3 Numeric Characters	Yes	<p><NNN></p> <p>e.g. 1</p>	<p>A numeric revision number should be supplied to reflect the revision/version of the document.</p> <p>The elements "mRID" and "revisionNumber" provide the complete identification of a document. Every time a document is modified the "mRID" does not change but the "revision Number" is incremented. A duplicate document within the system is any document received that has the same "mRID" and "revisionNumber" for a given sender.</p>

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3	Unavailability Market Document	Type	The coded type of a document. The document type describes the principal characteristic of the document.	3 Alphanumeric Characters	Yes	A76	A76=Load Unavailability
4	Unavailability Market Document	PROCESS.PROCESSTYPE	The process type identifies the type of processing to be carried out on the information.	3 Alphanumeric Characters	Yes	A26	A26 = Unavailability information
5	Unavailability Market Document	CREATEDDATETIME	The date and time of the creation of the document. The date and time must be expressed in UTC as YYYY-MM-DDTHH:MM:SSZ.	YYYY-MM-DDTHH:MM:SSZ	Yes	YYYY-MM-DDTHH:MM:SSZ e.g. 2014-03-16T14:32:45Z	Current Date and Time Stamp
6	Unavailability Market Document	SENDER_MARKETPARTICIPANT.MRID	The Sender of the document is identified by the unique Code for Market Participant and a code for the coding scheme used is also required.	3 Alphanumeric characters for Coding scheme 16 Alphanumeric characters for Sender	Yes	<Market Participant EIC Code>	Permitted codes are: "A01" for EIC coding scheme.
7	Unavailability Market Document	SENDER_MARKETPARTICIPANT.MARKETROLE.TYPE	This is the code which identifies the role of the sender within the document.	3 Alphanumeric characters	Yes	A39	A39 = Data Provider
8	Unavailability Market Document	RECEIVER_MARKETPARTICIPANT.MRID	The Receiver of the document is identified by the unique Code for Market Participant and a code for the coding scheme used is also required. The codification scheme used shall be: "A01" for EIC coding scheme.	16 Alphanumeric characters for Receiver 3 Alphanumeric characters for Coding scheme	Yes	10X1001A1001A515	This will be National Grid EIC Code. Permitted codes are: "A01" for EIC coding scheme.
9	Unavailability Market Document	RECEIVER_MARKETPARTICIPANT.MARKETROLE.TYPE	This is the code which identifies the role of the receiver within the document.	3 Alphanumeric characters	Yes	A04	A04 = System Operator or TSO(Transmission System Operator)
10	Unavailability Market Document	UNAVAILABILITY_TIME_PERIOD.TIMEINTERVAL	The start and end date and time for a given interval. --- The time interval that is associated with an electronic document and which is valid for the whole document.	Both the start and the end date and time must be expressed in UTC as YYYY-MM-DDTHH:MMZ	Yes	Start Date =e.g. 2014-03-19T14:32Z End Date =e.g. 2014-03-19T15:02Z	This information provides the start and end date and time of the time interval covering the whole unavailability document.

11	Unavailability Market Document	DOCSTATUS	<p>Identification of the condition or position of the document with regard to its standing. It is used to identify an unavailability document that has been withdrawn or cancelled.</p> <p>This information is only provided to indicate a cancellation of an unavailability situation. The cancelled status only applies to planned outages.</p> <p>The withdrawn status is only used to indicate that the outage should be removed.</p>	3 Alphanumeric Characters	Dependent	NULL or A09 or A13	<p>NULL=Active A09= Cancelled A13= Withdrawn</p> <p>Note 1: In the case of this document the term "cancelled" refers to the cancellation of a planned unavailability. The term "withdrawn" refers to an unavailability that is erroneous and has to be removed from the transparency platform.</p> <p>Note 2: the Doc status should only be provided in the case of the withdrawal or cancellation of an unavailability document.</p> <p>Note 3: For active status the current assumption is that no value will be provided.</p>
12	Time Series Class	mRID	<p>A unique identification within the document assigned by the sender.</p> <p>This must be unique for the whole document and guarantee the non-duplication of all the attributes of the time series class.</p>	35 Alphanumeric Characters	Yes	MP-NGET-PUCU-TS- <Sequence Number >	e.g. MP-NGET-PUCU-TS-00000001
13	Time Series Class	BusinessType	<p>The identification of the nature of the time series.</p>	3 Alphanumeric characters	Yes	A53 or A54	A53 = Planned maintenance A54 = Forced unavailability
14	Time Series Class	BIDDINGZONE_DOMAIN.MRID	<p>The identification of the bidding zone for which the unavailability information is being provided.</p> <p>A bidding zone cannot vary within an Outage Document</p>	<p>The maximum length of the area code is 16 alphanumeric characters.</p> <p>The maximum length of the coding scheme code is 3 alphanumeric characters.</p>	Dependent	10YGB-----A	GB Bidding Zone EIC Code

15	Time Series Class	IN_DOMAIN.MRID	The identification of the domain where the energy is going for which the unavailability information is being provided.	The maximum length of the area code is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.	Dependent	NULL	Not used for this report.
16	Time Series Class	OUT_DOMAIN.MRID	The identification of the domain where the energy is coming from for which the unavailability information is being provided.	The maximum length of the area code is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.	Dependent	NULL	Not used for this report.
17	Time Series Class	START_DATEANDORTIME.DATE	This identifies the date of the start of the unavailability being described in the time series.	YYYY-MM-DD	Yes	e.g. 2014-03-18	
18	Time Series Class	START_DATEANDORTIME.TIME	This identifies the time of the start of the unavailability being described in the time series.	HH:MM:SSZ	Yes	e.g. 14:00:00Z	
19	Time Series Class	END_DATEANDORTIME.DATE	This identifies the date of the end of the unavailability being described in the time series.	YYYY-MM-DD	Yes	e.g. 2014-03-18	
20	Time Series Class	END_DATEANDORTIME.TIME	This identifies the time of the end of the unavailability being described in the time series	HH:MM:SSZ	Yes	e.g.14:30:00Z	
21	Time Series Class	QUANTITY_MEASURE_UNIT.NAME	The identification of the formal code for a measurement unit	3 Alphanumeric Characters	Yes	MAW	MAW = Megawatts

22	Time Series Class	CURVETYP E	The identification of the coded representation of the type of curve being described.	3 Alphanumeric Characters	Yes	A01 or A03	A01 = Sequential fixed size block or A03 = Variable sized Block Please note that submissions via the FTP or the Web Services will allow either of the two values (A01 or A03), but the MODIS GUI screens for manual report data entry currently restricts the value to A01.
23	Time Series Class	PRODUCTION_REGISTEREDRESOURCE.MRID	The identification of a production unit that is affected by the unavailability	16 Alphanumeric characters for Resource Code 3 Alphanumeric characters for Coding scheme	Yes	<Consumption Unit EIC Code>	This field should be used for Consumption Unit EIC Code.
24	Time Series Class	PRODUCTION_REGISTEREDRESOURCE.NAME	The name of the registered resource being provided.	35 Alphanumeric Characters	Yes	<BMU ID or BMU Name for Consumption Unit>	This field should be used for Consumption Unit BMU ID so that traceability could be maintained against the registered Consumption Unit on NG.
25	Time Series Class	PRODUCTION_REGISTEREDRESOURCE.PSRTYPE.PSRTYPE	This represents the coded type of production unit resource being described	3 Alphanumeric characters	Dependent	NULL	Not used for this report.
26	Time Series Class	PRODUCTION_REGISTEREDRESOURCE.LOCATION.NAME	This represents the location for the production registered resource.	35 Alphanumeric Characters.	Dependent	NULL	Not used for this report.
27	Time Series Class	PRODUCTION_REGISTEREDRESOURCE.PSRTYPE.POWERSYSTEMRECORDS.MRID	The identification of the generation unit for which the generation information is being provided. The codification scheme used shall be: "A01" for EIC coding scheme.	16 Alphanumeric characters for Generation Unit Code 3 Alphanumeric characters for Coding scheme	Dependent	NULL	Not used for this report.
28	Time Series Class	PRODUCTION_REGISTEREDRESOURCE.PSRTYPE.POWERSYSTEMRECORDS.NAME	This represents the name of the generation unit.	35 Alphanumeric Characters	Dependent	NULL	Not used for this report.

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29	Time Series Class	PRODUCTION_REGISTERED_RESOURCE.PSRTYPE.PO WERSYSTEMRESOURCES. NOMINALP	This represents the installed generation capacity for the generation unit being described. This value shall always be provided in MW. A decimal point value may be used to express values that are inferior to the defined unit of measurement. All quantities are non-signed values. Note: Similar format to Item 20 above.	17 Numeric Characters including Decimal	Dependent	NULL	Not used for this report.
30	Asset_Registered Resource Class	mRID	The identification of a transmission infrastructure asset is being provided. This applied to (EIC Object Type W).	The maximum length of the asset registered resource code is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.	Dependent	<Asset Unique identifier>	This information Used only for upload transmissions.
31	Asset_Registered Resource Class	Name	The name of the transmission infrastructure asset for which the information is being provided.	35 Alphanumeric characters	Dependent	NULL	Not used for this report.
32	Asset_Registered Resource Class	ASSET_PSRTYPE.PSRTYPE	This represents the coded identification of the type of asset being described. A04 = Production or Generation A05 = Consumption	3 Alphanumeric characters	Dependent	NULL	Not used for this report.
33	Asset_Registered Resource Class	LOCATION.NAME	The name of the location of the asset for which the unavailability information is being provided.	35 Alphanumeric characters	Dependent	NULL	Not used for this report.

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34	Series_Period Class	TIMEINTERVAL	The start and end date and time for a given interval.	Both the start and the end date and time must be expressed in UTC as YYYY-MM-DDTHH:MMZ	Yes	Start Date =e.g. 2014-03-16T12:30Z End Date =e.g. 2014-03-16T13:00Z	
35	Series_Period Class	RESOLUTION	Definition of the number of units of time that compose an individual step within a period.	The Resolution is expressed in compliance with ISO 8601	Yes	PT60M or PT30M or PT15M or PT1M	PT60M if the resolution is hourly PT30M if the resolution is half hourly PT15M if the resolution is quarter hourly PT1M if the resolution is for a minute.
36	Point Class	Position	A sequential value representing the relative position within a given time interval.	The maximum number of characters is 6.	Yes	<Numeric Value> e.g. 1	The relative position must be expressed as a numeric integer value beginning with 1. All leading zeros must be suppressed.
37	Point Class	Quantity	The principal quantity identified for a point. This information defines the quantity of the load or generation that is taken from or put into the area for the position within the interval period.	The maximum length of this information is 17 numeric characters (decimal mark included).	Yes	<Numeric Value> e.g. 100.05	This value is identical to unavailability consumption capacity in this context.
38	Reason Class	Code	The reason code identifying that complementary information about unavailability or planned maintenance.	3 alphanumeric characters.	Yes	A95 or B18 or B19 or B20	A95: complementary information (this requires the use of the ReasonText attribute.) B18 = Failure B19 = Foreseen Maintenance B20 = Shutdown
39	Reason Class	Text	This provides additional textual information concerning the unavailability which may be provided as necessary	512 alphanumeric characters.	Yes	<Reason Text>	

7.1.2 BRD ID: B0720 (A7.1b) - Changes In Actual Availability of Consumption Units

Ref	Class	Title	Definition	Format	Mandatory	Value	Comments
1	Unavailability Market Document	mRID	<p>Unique identification of the document being exchanged within a business process flow. This identifies a given unavailability document.</p> <p>An Unavailability Market Document describes a specific unavailability and must have a unique identification assigned by the sender of the document for all transmissions to the receiver.</p> <p>All additions, modifications, or suppressions concerning the unavailability must use the same identification</p>	35 Characters	Yes	<p><MP EIC Code>- NGET-AAACU- <Sequence Number></p> <p>e.g. <MP EIC Code>-NGET- AACU-00000001</p>	<p>AACU = Actual Availability of Consumption Unit</p> <p>The elements "mRID" and "revisionNumber" provide the complete identification of a document. Every time a document is modified the "mRID" does not change but the "revisionNumber" is incremented. A duplicate document within the system is any document received that has the same "mRID" and "revisionNumber" for a given sender.</p>
2	Unavailability Market Document	revisionNumber	<p>Identification of the version that distinguishes one evolution of a document from another.</p> <p>The document version is used to identify a given version of a time series set for a given Period Time Interval.</p> <p>The first version number for a given document identification shall normally be 1.</p> <p>The document version number must be incremented for each retransmission of a document that contains changes to the previous version.</p>	3 Numeric Characters	Yes	<p><NNN></p> <p>e.g. 1</p>	<p>A numeric revision number should be supplied to reflect the revision/version of the document.</p> <p>The elements "mRID" and "revisionNumber" provide the complete identification of a document. Every time a document is modified the "mRID" does not change but the "revision Number" is incremented. A duplicate document within the system is any document received that has the same "mRID" and "revisionNumber" for a given sender.</p>

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3	Unavailability Market Document	Type	The coded type of a document. The document type describes the principal characteristic of the document.	3 Alphanumeric Characters	Yes	A76	A76=Load Unavailability
4	Unavailability Market Document	PROCESS.PROCESSTYPE	The process type identifies the type of processing to be carried out on the information.	3 Alphanumeric Characters	Yes	A26	A26 = Unavailability information
5	Unavailability Market Document	CREATEDDATETIME	The date and time of the creation of the document. The date and time must be expressed in UTC as YYYY-MM-DDTHH:MM:SSZ.	YYYY-MM-DDTHH:MM:SSZ	Yes	YYYY-MM-DDTHH:MM:SSZ e.g. 2014-03-16T14:32:45Z	Current Date and Time Stamp
6	Unavailability Market Document	SENDER_MARKETPARTICIPANT.MRID	The Sender of the document is identified by the unique Code for Market Participant and a code for the coding scheme used is also required.	3 Alphanumeric characters for Coding scheme 16 Alphanumeric characters for Sender	Yes	<Market Participant EIC Code>	Permitted codes are: "A01" for EIC coding scheme.
7	Unavailability Market Document	SENDER_MARKETPARTICIPANT.MARKETROLE.TYPE	This is the code which identifies the role of the sender within the document.	3 Alphanumeric characters	Yes	A39	A39 = Data Provider
8	Unavailability Market Document	RECEIVER_MARKETPARTICIPANT.MRID	The Receiver of the document is identified by the unique Code for Market Participant and a code for the coding scheme used is also required. The codification scheme used shall be: "A01" for EIC coding scheme.	16 Alphanumeric characters for Receiver 3 Alphanumeric characters for Coding scheme	Yes	10X1001A1001A515	This will be National Grid EIC Code.
9	Unavailability Market Document	RECEIVER_MARKETPARTICIPANT.MARKETROLE.TYPE	This is the code which identifies the role of the receiver within the document.	3 Alphanumeric characters	Yes	A04	A04 = System Operator or TSO(Transmission System Operator)
10	Unavailability Market Document	UNAVAILABILITY_TIME_PERIOD.TIMEINTERVAL	The start and end date and time for a given interval. --- The time interval that is associated with an electronic document and which is valid for the whole document.	Both the start and the end date and time must be expressed in UTC as YYYY-MM-DDTHH:MMZ	Yes	Start Date =e.g. 2014-03-19T14:32Z End Date =e.g. 2014-03-19T15:02Z	This information provides the start and end date and time of the time interval covering the whole unavailability document.

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11	Unavailability Market Document	DOCSTATUS	<p>Identification of the condition or position of the document with regard to its standing. It is used to identify an unavailability document that has been withdrawn or cancelled.</p> <p>This information is only provided to indicate a cancellation of an unavailability situation. The cancelled status only applies to planned outages.</p> <p>The withdrawn status is only used to indicate that the outage should be removed.</p>	3 Alphanumeric Characters	Dependent	NULL or A09 or A13	<p>NULL = Active A09= Cancelled A13= Withdrawn</p> <p>Note 1: In the case of this document the term "cancelled" refers to the cancellation of a planned unavailability. The term "withdrawn" refers to an unavailability that is erroneous and has to be removed from the transparency platform.</p> <p>Note 2: the Doc status should only be provided in the case of the withdrawal or cancellation of an unavailability document.</p> <p>Note 3: For active status the current assumption is that no value will be provided.</p>
12	Time Series Class	mRID	<p>A unique identification within the document assigned by the sender.</p> <p>This must be unique for the whole document and guarantee the non-duplication of all the attributes of the time series class.</p>	35 Alphanumeric Characters	Yes	<p>MP-NGET-AACU-TS-< Sequence Number ></p> <p>e.g. MP-NGET-AACU-TS-00000001</p>	AACU = Actual Availability of Consumption Unit
13	Time Series Class	BusinessType	The identification of the nature of the time series.	3 Alphanumeric characters	Yes	A53 or A54	A53 = Planned maintenance A54 = Forced unavailability
14	Time Series Class	BIDDINGZONE_DOMAIN.MRID	<p>The identification of the bidding zone for which the unavailability information is being provided.</p> <p>A bidding zone cannot vary within an Outage Document</p>	3 Alphanumeric characters	Dependent	10YGB-----A	GB Bidding Zone EIC Code

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15	Time Series Class	IN_DOMAIN.MRID	The identification of the domain where the energy is going for which the unavailability information is being provided.	The maximum length of the area code is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.	Dependent	NULL	Not used for this report.
16	Time Series Class	OUT_DOMAIN.MRID	The identification of the domain where the energy is coming from for which the unavailability information is being provided.	The maximum length of the area code is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.	Dependent	NULL	Not used for this report.
17	Time Series Class	START_DATEANDORTIME. DATE	This identifies the date of the start of the unavailability being described in the time series.	YYYY-MM-DD	Yes	e.g. 2014-03-18	
18	Time Series Class	START_DATEANDORTIME.T IME	This identifies the time of the start of the unavailability being described in the time series.	HH:MM:SSZ	Yes	e.g. 14:00:00Z	
19	Time Series Class	END_DATEANDORTIME.DA TE	This identifies the date of the end of the unavailability being described in the time series.	YYYY-MM-DD	Yes	e.g. 2014-03-18	
20	Time Series Class	END_DATEANDORTIME.TIM E	This identifies the time of the end of the unavailability being described in the time series	HH:MM:SSZ	Yes	e.g. 14:30:00Z	
21	Time Series Class	QUANTITY_MEASURE_UNIT .NAME	The identification of the formal code for a measurement unit	3 Alphanumeric Characters	Yes	MAW	MAW = Megawatts

22	Time Series Class	CURVETYPE	The identification of the coded representation of the type of curve being described.	3 Alphanumeric Characters	Yes	A01 or A03	A01 = Sequential fixed size block or A03 = Variable sized Block Please note that submissions via the FTP or the Web Services will allow either of the two values (A01 or A03), but the MODIS GUI screens for manual report data entry currently restricts the value to A01.
23	Time Series Class	PRODUCTION_REGISTEREDRESOURCE.MRID	The identification of a production unit that is affected by the unavailability	16 Alphanumeric characters for Resource Code 3 Alphanumeric characters for Coding scheme	Yes	<Consumption Unit EIC Code>	This field should be used for Consumption Unit EIC Code.
24	Time Series Class	PRODUCTION_REGISTEREDRESOURCE.NAME	The name of the registered resource being provided.	35 Alphanumeric Characters	Yes	<BMU ID or BMU Name for Consumption Unit>	This field should be used for Consumption Unit BMU ID so that traceability could be maintained against the registered Consumption Unit in NG.
25	Time Series Class	PRODUCTION_REGISTEREDRESOURCE.PSRTYPE.PSRTYPE	This represents the coded type of production unit resource being described	3 Alphanumeric characters	Dependent	NULL	Not used for this report.
26	Time Series Class	PRODUCTION_REGISTEREDRESOURCE.LOCATION.NAME	This represents the location for the production registered resource.	35 Alphanumeric Characters.	Dependent	NULL	Not used for this report.
27	Time Series Class	PRODUCTION_REGISTEREDRESOURCE.PSRTYPE.POWERSYSTEMRESOURCES.MRID	The identification of the generation unit for which the generation information is being provided. The codification scheme used shall be: "A01" for EIC coding scheme.	16 Alphanumeric characters for Generation Unit Code 3 Alphanumeric characters for Coding scheme	Dependent	NULL	Not used for this report.
28	Time Series Class	PRODUCTION_REGISTEREDRESOURCE.PSRTYPE.POWERSYSTEMRESOURCES.NAME	This represents the name of the generation unit.	35 Alphanumeric Characters	Dependent	NULL	Not used for this report.

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29	Time Series Class	PRODUCTION_REGISTERED_RESOURCE.PSRTYPE.PO WERSYSTEMRESOURCES. NOMINALP	This represents the installed generation capacity for the generation unit being described. This value shall always be provided in MW. A decimal point value may be used to express values that are inferior to the defined unit of measurement. All quantities are non-signed values. Note: Similar format to Item 20 above.	17 Numeric Characters including Decimal	Dependent	NULL	Not used for this report.
30	Asset_Registered Resource Class	mRID	The identification of a transmission infrastructure asset is being provided. This applied to (EIC Object Type W).	The maximum length of the asset registered resource code is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.	Dependent	<Asset Identifier>	This information Used only for upload transmissions
31	Asset_Registered Resource Class	Name	The name of the transmission infrastructure asset for which the information is being provided.	35 Alphanumeric characters	Dependent	NULL	Not used for this report.
32	Asset_Registered Resource Class	ASSET_PSRTYPE.PSRTYPE	This represents the coded identification of the type of asset being described. A04 = Production or Generation A05 = Consumption	3 Alphanumeric characters	Dependent	NULL	Not used for this report.
33	Asset_Registered Resource Class	LOCATION.NAME	The name of the location of the asset for which the unavailability information is being provided.	35 Alphanumeric characters	Dependent	NULL	Not used for this report.

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34	Series_Period Class	TIMEINTERVAL	The start and end date and time for a given interval.	Both the start and the end date and time must be expressed in UTC as YYYY-MM-DDTHH:MMZ	Yes	Start Date =e.g. 2014-03-16T12:30Z End Date =e.g. 2014-03-16T13:00Z	
35	Series_Period Class	RESOLUTION	Definition of the number of units of time that compose an individual step within a period.	The Resolution is expressed in compliance with ISO 8601	Yes	PT60M or PT30M or PT15M or PT1M	PT60M if the resolution is hourly PT30M if the resolution is half hourly PT15M if the resolution is quarter hourly PT1M if the resolution is for a minute.
36	Point Class	Position	A sequential value representing the relative position within a given time interval.	The maximum number of characters is 6.	Yes	<Numeric Value> e.g. 1	The relative position must be expressed as a numeric integer value beginning with 1. All leading zeros must be suppressed.
37	Point Class	Quantity	The principal quantity identified for a point. This information defines the quantity of the load or generation that is taken from or put into the area for the position within the interval period.	The maximum length of this information is 17 numeric characters (decimal mark included).	Yes	<Numeric Value> e.g. 100.05	This value is identical to unavailability consumption capacity in this context.
38	Reason Class	Code	The reason code identifying that complementary information about unavailability or planned maintenance.	3 alphanumeric characters.	Yes	A95 or B18 or B19 or B20	A95: complementary information (this requires the use of the ReasonText attribute.) B18 = Failure B19 = Foreseen Maintenance B20 = Shutdown
39	Reason Class	Text	This provides additional textual information concerning the unavailability which may be provided as necessary	512 alphanumeric characters.	Yes	<Reason Text>	

7.2 Article 10 – Info Relating to the Unavailability of Transmission Infrastructure

7.2.1 BRD ID: B1030 (A10.1c) - Changes In Actual Availability of Off-Shore Grid Infrastructure

Ref	Class	Title	Definition	Format	Mandatory	Value	Comments
1	Unavailability Market Document	mRID	<p>Unique identification of the document being exchanged within a business process flow. This identifies a given unavailability document.</p> <p>An Unavailability Market Document describes a specific unavailability and must have a unique identification assigned by the sender of the document for all transmissions to the receiver.</p> <p>All additions, modifications, or suppressions concerning the unavailability must use the same identification</p>	35 Characters	Yes	<p><MP EIC Code>- NGET-AAOG- <Sequence Number></p> <p>e.g. <MP EIC Code>-NGET- AAOG-00000001</p>	<p>AAOG = Actual Availability of Offshore Grid Infrastructure</p> <p>The elements “mRID” and “revisionNumber” provide the complete identification of a document. Every time a document is modified the “mRID” does not change but the “revisionNumber” is incremented. A duplicate document within the system is any document received that has the same “mRID” and “revisionNumber” for a given sender.</p>
2	Unavailability Market Document	revisionNumber	<p>Identification of the version that distinguishes one evolution of a document from another.</p> <p>The document version is used to identify a given version of a time series set for a given Period Time Interval.</p> <p>The first version number for a given document identification shall normally be 1.</p> <p>The document version number must be incremented for each retransmission of a document that contains changes to the previous version.</p>	3 Numeric Characters	Yes	<p><NNN></p> <p>e.g. 1</p>	<p>A numeric revision number should be supplied to reflect the revision/version of the document.</p> <p>The elements “mRID” and “revisionNumber” provide the complete identification of a document. Every time a document is modified the “mRID” does not change but the “revision Number” is incremented. A duplicate document within the system is any document received that has the same “mRID” and “revisionNumber” for a given sender.</p>

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3	Unavailability Market Document	Type	The coded type of a document. The document type describes the principal characteristic of the document.	3 Alphanumeric Characters	Yes	A79	A79= Offshore grid infrastructure unavailability
4	Unavailability Market Document	PROCESS.PROCESSTYPE	The process type identifies the type of processing to be carried out on the information.	3 Alphanumeric Characters	Yes	A26	A26 = Unavailability information
5	Unavailability Market Document	CREATEDDATETIME	The date and time of the creation of the document. The date and time must be expressed in UTC as YYYY-MM-DDTHH:MM:SSZ.	YYYY-MM-DDTHH:MM:SSZ	Yes	YYYY-MM-DDTHH:MM:SSZ e.g. 2014-03-16T14:32:45Z	Current Date and Time Stamp
6	Unavailability Market Document	SENDER_MARKETPARTICIPANT.MRID	The Sender of the document is identified by the unique Code for Market Participant and a code for the coding scheme used is also required.	3 Alphanumeric characters for Coding scheme 16 Alphanumeric characters for Sender	Yes	<Market Participant EIC Code>	Permitted codes are: "A01" for EIC coding scheme.
7	Unavailability Market Document	SENDER_MARKETPARTICIPANT.MARKETROLE.TYPE	This is the code which identifies the role of the sender within the document	3 Alphanumeric characters	Yes	A39	A39 = Data Provider
8	Unavailability Market Document	RECEIVER_MARKETPARTICIPANT.MRID	The Receiver of the document is identified by the unique Code for Market Participant and a code for the coding scheme used is also required. The codification scheme used shall be: "A01" for EIC coding scheme.	16 Alphanumeric characters for Receiver 3 Alphanumeric characters for Coding scheme	Yes	10X1001A1001A515	This will be National Grid EIC Code.
9	Unavailability Market Document	RECEIVER_MARKETPARTICIPANT.MARKETROLE.TYPE	This is the code which identifies the role of the receiver within the document	3 Alphanumeric characters	Yes	A04	A04 = System Operator or TSO(Transmission System Operator)
10	Unavailability Market Document	UNAVAILABILITY_TIME_PERIOD.TIMEINTERVAL	The start and end date and time for a given interval. --- The time interval that is associated with an electronic document and which is valid for the whole document.	Both the start and the end date and time must be expressed in UTC as YYYY-MM-DDTHH:MMZ	Yes	Start Date =e.g. 2014-03-19T14:32Z End Date =e.g. 2014-03-19T15:02Z	This information provides the start and end date and time of the time interval covering the whole unavailability document.

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11	Unavailability Market Document	DOCSTATUS	<p>Identification of the condition or position of the document with regard to its standing. It is used to identify an unavailability document that has been withdrawn or cancelled.</p> <p>This information is only provided to indicate a cancellation of an unavailability situation. The cancelled status only applies to planned outages.</p> <p>The withdrawn status is only used to indicate that the outage should be removed.</p>	3 Alphanumeric Characters	Dependent	NULL or A09 or A13	<p>NULL = Active A09= Cancelled A13= Withdrawn</p> <p>Note 1: In the case of this document the term “cancelled” refers to the cancellation of a planned unavailability. The term “withdrawn” refers to an unavailability that is erroneous and has to be removed from the transparency platform.</p> <p>Note 2: the Doc status should only be provided in the case of the withdrawal or cancellation of an unavailability document.</p> <p>Note 3: For active status the current assumption is that no value will be provided.</p>
12	Time Series Class	mRID	<p>A unique identification within the document assigned by the sender.</p> <p>This must be unique for the whole document and guarantee the non-duplication of all the attributes of the time series class.</p>	35 Alphanumeric Characters	Yes	<p>MP-NGET-AAOG-TS-< Sequence Number ></p> <p>e.g. MP-NGET-AAOG-TS-00000001</p>	AAOG = Actual Availability of Offshore Grid Infrastructure
13	Time Series Class	BusinessType	<p>The identification of the nature of the time series.</p>	3 Alphanumeric characters	Yes	A54	A54 = Forced unavailability
14	Time Series Class	BIDDINGZONE_DOMAIN.MRID	<p>The identification of the bidding zone for which the unavailability information is being provided.</p> <p>A bidding zone cannot vary within an Outage Document</p>	3 Alphanumeric characters	Dependent	10YGB-----A	GB Bidding Zone EIC Code

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15	Time Series Class	IN_DOMAIN.MRID	The identification of the domain where the energy is going for which the unavailability information is being provided.	The maximum length of the area code is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.	Dependent	NULL	Not used for this report.
16	Time Series Class	OUT_DOMAIN.MRID	The identification of the domain where the energy is coming from for which the unavailability information is being provided.	The maximum length of the area code is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.	Dependent	NULL	Not used for this report.
17	Time Series Class	START_DATEANDORTIME.DATE	This identifies the date of the start of the unavailability being described in the time series.	YYYY-MM-DD	Yes	e.g. 2014-03-18	
18	Time Series Class	START_DATEANDORTIME.TIME	This identifies the time of the start of the unavailability being described in the time series.	HH:MM:SSZ	Yes	e.g. 14:00:00Z	
19	Time Series Class	END_DATEANDORTIME.DATE	This identifies the date of the end of the unavailability being described in the time series.	YYYY-MM-DD	Yes	e.g. 2014-03-18	
20	Time Series Class	END_DATEANDORTIME.TIME	This identifies the time of the end of the unavailability being described in the time series.	HH:MM:SSZ	Yes	e.g. 14:30:00Z	
21	Time Series Class	QUANTITY_MEASURE_UNIT.NAME	The identification of the formal code for a measurement unit	3 Alphanumeric Characters	Yes	MAW	MAW = Megawatts

22	Time Series Class	CURVETYPE	The identification of the coded representation of the type of curve being described.	3 Alphanumeric Characters	Yes	A01 or A03	A01 = Sequential fixed size block or A03 = Variable sized Block Please note that submissions via the FTP or the Web Services will allow either of the two values (A01 or A03), but the MODIS GUI screens for manual report data entry currently restricts the value to A01.
23	Time Series Class	PRODUCTION_REGISTEREDRESOURCE.MRID	The identification of a production unit that is affected by the unavailability	16 Alphanumeric characters for Resource Code 3 Alphanumeric characters for Coding scheme	Yes	<Offshore Grid Infrastructure EIC Code>	This field should be used for EIC Code for Offshore Grid Infrastructure.
24	Time Series Class	PRODUCTION_REGISTEREDRESOURCE.NAME	The name of the registered resource being provided.	35 Alphanumeric Characters	Yes	<Offshore Grid Infrastructure BMU ID or BMU Name>	This field should be used for BMU ID so that traceability could be maintained against the registered Unit in NG.
25	Time Series Class	PRODUCTION_REGISTEREDRESOURCE.PSRTYPE.PSRTYPE	This represents the coded type of production unit resource being described	3 Alphanumeric characters	Dependent	NULL	Not used for this report.
26	Time Series Class	PRODUCTION_REGISTEREDRESOURCE.LOCATION.NAME	This represents the location for the production registered resource.	35 Alphanumeric Characters.	Dependent	NULL	Not used for this report.
27	Time Series Class	PRODUCTION_REGISTEREDRESOURCE.POWERSYSTEMRESOURCES.MRID	The identification of the generation unit for which the generation information is being provided. The codification scheme used shall be: "A01" for EIC coding scheme.	16 Alphanumeric characters for Generation Unit Code 3 Alphanumeric characters for Coding scheme	Dependent	NULL	Not used for this report.
28	Time Series Class	PRODUCTION_REGISTEREDRESOURCE.PSRTYPE.POWERSYSTEMRESOURCES.NAME	This represents the name of the generation unit.	35 Alphanumeric Characters	Dependent	NULL	Not used for this report.

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29	Time Series Class	PRODUCTION_REGISTERED_RESOURCE.PSRTYPE.POWERSYSTEMRESOURCES.NOMINALP	This represents the installed generation capacity for the generation unit being described. This value shall always be provided in MW. A decimal point value may be used to express values that are inferior to the defined unit of measurement. All quantities are non-signed values. Note: Similar format to Item 20 above.	17 Numeric Characters including Decimal	Dependent	150.55	This represents the nominal power of the generation unit.
30	Asset_Registered Resource Class	mRID	The identification of a transmission infrastructure asset is being provided. This applied to (EIC Object Type W).	The maximum length of the asset registered resource code is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.	Yes	<Offshore Grid Infrastructure Asset EIC Code>	This information Used only for upload transmissions
31	Asset_Registered Resource Class	Name	The name of the transmission infrastructure asset for which the information is being provided.	35 Alphanumeric characters	Yes	<Offshore Grid Asset Name>	Used only for download transmissions Not used for upload transmissions.
32	Asset_Registered Resource Class	ASSET_PSRTYPE.PSRTYPE	This represents the coded identification of the type of asset being described. A04 = Production or Generation A05 = Consumption	3 Alphanumeric characters	Dependent	A04 or A05	Used only for download transmissions Not used for upload transmissions
33	Asset_Registered Resource Class	LOCATION.NAME	The name of the location of the asset for which the unavailability information is being provided.	35 Alphanumeric characters	Dependent	GB	Used only for download transmissions Not used for upload transmissions

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34	Series_Period Class	TIMEINTERVAL	The start and end date and time for a given interval.	Both the start and the end date and time must be expressed in UTC as YYYY-MM-DDTHH:MMZ	Yes	Start Date =e.g. 2014-03-16T12:30Z End Date =e.g. 2014-03-16T13:00Z	
35	Series_Period Class	RESOLUTION	Definition of the number of units of time that compose an individual step within a period.	The Resolution is expressed in compliance with ISO 8601	Yes	PT60M or PT30M or PT15M or PT1M	PT60M if the resolution is hourly PT30M if the resolution is half hourly PT15M if the resolution is quarter hourly PT1M if the resolution is for a minute.
36	Point Class	Position	A sequential value representing the relative position within a given time interval.	The maximum number of characters is 6.	Yes	<Numeric Value> e.g. 1	The relative position must be expressed as a numeric integer value beginning with 1. All leading zeros must be suppressed.
37	Point Class	Quantity	The principal quantity identified for a point. This information defines the quantity of the load or generation that is taken from or put into the area for the position within the interval period.	The maximum length of this information is 17 numeric characters (decimal mark included).	Yes	<Numeric Value> e.g. 100.05	This value is identical to unavailability consumption capacity in this context.
38	Reason Class	Code	The reason code identifying that complementary information about unavailability or planned maintenance.	3 alphanumeric characters.	Yes	A95 or B18 or B19 or B20	A95: complementary information (this requires the use of the ReasonText attribute.) B18 = Failure B19 = Foreseen Maintenance B20 = Shutdown
39	Reason Class	Text	This provides additional textual information concerning the unavailability which may be provided as necessary	512 alphanumeric characters.	Yes	<Reason Text>	

7.3 Article 15 – Info Relating to the Unavailability of Generation and Production Units

7.3.1 BRD ID: B1510 (A15.1a) - Planned Unavailability of Generation Units

Ref	Class	Title	Definition	Format	Mandatory	Value	Comments
1	Unavailability Market Document	mRID	<p>Unique identification of the document being exchanged within a business process flow . This identifies a given unavailability document.</p> <p>An Unavailability Market Document describes a specific unavailability and must have a unique identification assigned by the sender of the document for all transmissions to the receiver.</p> <p>All additions, modifications, or suppressions concerning the unavailability must use the same identification</p>	35 Characters	Yes	<p><MP EIC Code>- NGET-PUGU- <Sequence Number></p> <p>e.g. <MP EIC Code>- NGET-PUGU- 00000001</p>	<p>PUGU = Planned Unavailability of Generation Unit</p> <p>The elements “mRID” and “revisionNumber” provide the complete identification of a document. Every time a document is modified the “mRID” does not change but the “revisionNumber” is incremented. A duplicate document within the system is any document received that has the same “mRID” and “revisionNumber” for a given sender.</p>
2	Unavailability Market Document	revisionNumber	<p>Identification of the version that distinguishes one evolution of a document from another.</p> <p>The document version is used to identify a given version of a time series set for a given Period Time Interval.</p> <p>The first version number for a given document identification shall normally be 1.</p> <p>The document version number must be incremented for each retransmission of a document that contains changes to the previous version.</p>	3 Numeric Characters	Yes	<p><NNN></p> <p>e.g. 1</p>	<p>A numeric revision number should be supplied to reflect the revision/version of the document.</p> <p>The elements “mRID” and “revisionNumber” provide the complete identification of a document. Every time a document is modified the “mRID” does not change but the “revision Number” is incremented. A duplicate document within the system is any document received that has the same “mRID” and “revisionNumber” for a given sender.</p>

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3	Unavailability Market Document	Type	The coded type of a document. The document type describes the principal characteristic of the document.	3 Alphanumeric Characters	Yes	A80	A80=Generation Unavailability
4	Unavailability Market Document	PROCESS.PROCESSTYPE	The process type identifies the type of processing to be carried out on the information.	3 Alphanumeric Characters	Yes	A26	A26 = Unavailability information
5	Unavailability Market Document	CREATEDDATETIME	The date and time of the creation of the document. The date and time must be expressed in UTC as YYYY-MM-DDTHH:MM:SSZ.	YYYY-MM-DDTHH:MM:SSZ	Yes	YYYY-MM-DDTHH:MM:SSZ e.g. 2014-03-16T14:32:45Z	Current Date and Time Stamp
6	Unavailability Market Document	SENDER_MARKETPARTICIPANT.MRID	The Sender of the document is identified by the unique Code for Market Participant and a code for the coding scheme used is also required. Permitted codes are: "A01" for EIC coding scheme.	3 Alphanumeric characters for Coding scheme 16 Alphanumeric characters for Sender	Yes	<Market Participant EIC Code>	
7	Unavailability Market Document	SENDER_MARKETPARTICIPANT.MARKETROLE.TYPE	This is the code which identifies the role of the sender within the document.	3 Alphanumeric characters	Yes	A39	A39 = Data Provider
8	Unavailability Market Document	RECEIVER_MARKETPARTICIPANT.MRID	The Receiver of the document is identified by the unique Code for Market Participant and a code for the coding scheme used is also required. The codification scheme used shall be: "A01" for EIC coding scheme.	16 Alphanumeric characters for Receiver 3 Alphanumeric characters for Coding scheme	Yes	10X1001A1001A515	This will be National Grid EIC Code.
9	Unavailability Market Document	RECEIVER_MARKETPARTICIPANT.MARKETROLE.TYPE	This is the code which identifies the role of the receiver within the document	3 Alphanumeric characters	Yes	A04	A04 = System Operator or TSO(Transmission System Operator)
10	Unavailability Market Document	UNAVAILABILITY_TIME_PERIOD.TIMEINTERVAL	The start and end date and time for a given interval. --- The time interval that is associated with an electronic document and which is valid for the whole document.	Both the start and the end date and time must be expressed in UTC as YYYY-MM-DDTHH:MMZ	Yes	Start Date =e.g. 2014-03-19T14:32Z End Date =e.g. 2014-03-19T15:02Z	This information provides the start and end date and time of the time interval covering the whole unavailability document.

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11	Unavailability Market Document	DOCSTATUS	<p>Identification of the condition or position of the document with regard to its standing. It is used to identify an unavailability document that has been withdrawn or cancelled.</p> <p>This information is only provided to indicate a cancellation of an unavailability situation. The cancelled status only applies to planned outages.</p> <p>The withdrawn status is only used to indicate that the outage should be removed.</p>	3 Alphanumeric Characters	Dependent	NULL or A09 or A13	<p>NULL = Active A09= Cancelled A13= Withdrawn</p> <p>Note 1: In the case of this document the term "cancelled" refers to the cancellation of a planned unavailability. The term "withdrawn" refers to an unavailability that is erroneous and has to be removed from the transparency platform.</p> <p>Note 2: the Doc status should only be provided in the case of the withdrawal or cancellation of an unavailability document.</p> <p>Note 3: For active status the current assumption is that no value will be provided.</p>
12	Time Series Class	mRID	<p>A unique identification within the document assigned by the sender.</p> <p>This must be unique for the whole document and guarantee the non-duplication of all the attributes of the time series class.</p>	35 Alphanumeric Characters	Yes	<p>MP-NGET-PUGU-TS-< Sequence Number></p> <p>e.g. MP-NGET-PUGU-TS-00000001</p>	PUGU=Planned Unavailability of Generation Unit
13	Time Series Class	BusinessType	The identification of the nature of the time series.	3 Alphanumeric characters	Yes	A53 or A54	A53 = Planned maintenance A54 = Forced unavailability
14	Time Series Class	BIDDINGZONE_DOMAIN.MRID	<p>The identification of the bidding zone for which the unavailability information is being provided.</p> <p>A bidding zone cannot vary within an Outage Document</p>	3 Alphanumeric characters	Dependent	10YGB-----A	GB Bidding Zone EIC Code

15	Time Series Class	IN_DOMAIN.MRID	The identification of the domain where the energy is going for which the unavailability information is being provided.	The maximum length of the area code is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.	Dependent	NULL	Not used for this report.
16	Time Series Class	OUT_DOMAIN.MRID	The identification of the domain where the energy is coming from for which the unavailability information is being provided.	The maximum length of the area code is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.	Dependent	NULL	Not used for this report.
17	Time Series Class	START_DATEANDORTIME.DATE	This identifies the date of the start of the unavailability being described in the time series.	YYYY-MM-DD	Yes	e.g. 2014-03-18	
18	Time Series Class	START_DATEANDORTIME.TIME	This identifies the time of the start of the unavailability being described in the time series.	HH:MM:SSZ	Yes	e.g. 14:00:00Z	
19	Time Series Class	END_DATEANDORTIME.DATE	This identifies the date of the end of the unavailability being described in the time series.	YYYY-MM-DD	Yes	e.g. 2014-03-18	
20	Time Series Class	END_DATEANDORTIME.TIME	This identifies the time of the end of the unavailability being described in the time series.	HH:MM:SSZ	Yes	e.g. 14:30:00Z	
21	Time Series Class	QUANTITY_MEASURE_UNIT.NAME	The identification of the formal code for a measurement unit	3 Alphanumeric Characters	Yes	MAW	MAW = Megawatts

22	Time Series Class	CURVETYPE	The identification of the coded representation of the type of curve being described.	3 Alphanumeric Characters	Yes	A01 or A03	A01 = Sequential fixed size block or A03 = Variable sized Block Please note that submissions via the FTP or the Web Services will allow either of the two values (A01 or A03), but the MODIS GUI screens for manual report data entry currently restricts the value to A01.
23	Time Series Class	PRODUCTION_REGISTEREDRESOURCE.MRID	The identification of a production unit that is affected by the unavailability	16 Alphanumeric characters for Resource Code 3 Alphanumeric characters for Coding scheme	Dependent	<Production Unit EIC Code>	Production Unit EIC Code as registered with Market Participant
24	Time Series Class	PRODUCTION_REGISTEREDRESOURCE.NAME	The name of the registered resource being provided.	35 Alphanumeric Characters	Dependent	<Production Unit name >	It is used only for download transmissions but not for upload transmissions. This field should be used for BMU ID so that traceability could be maintained against the registered Unit in NG.
25	Time Series Class	PRODUCTION_REGISTEREDRESOURCE.PSRTYPE.PSRTYPE	This represents the coded type of production unit resource being described	3 Alphanumeric characters	Dependent	A04 or A05	It is used only for download transmissions but not for upload transmissions. I
26	Time Series Class	PRODUCTION_REGISTEREDRESOURCE.LOCATION.NAME	This represents the location for the production registered resource.	35 Alphanumeric Characters.	Dependent	GB	It is used only for download transmissions but not for upload transmissions.

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27	Time Series Class	PRODUCTION_REGISTERED_RESOURCE.PSRTYPE.POWERSYSTEMRESOURCES.MRID	The identification of the generation unit for which the generation information is being provided. The codification scheme used shall be: "A01" for EIC coding scheme.	16 Alphanumeric characters for Generation Unit Code 3 Alphanumeric characters for Coding scheme	Dependent	<Generating Unit EIC Code>	Generating Unit Id as registered with Market Participant
28	Time Series Class	PRODUCTION_REGISTERED_RESOURCE.PSRTYPE.POWERSYSTEMRESOURCES.NAME	This represents the name of the generation unit.	35 Alphanumeric Characters	Dependent	<Generating Unit BMU ID >	Gen Unit BMU ID.- This field should be used for BMU ID so that traceability could be maintained against the registered Unit in NG. It is used only for download transmissions but not for upload transmissions.
29	Time Series Class	PRODUCTION_REGISTERED_RESOURCE.PSRTYPE.POWERSYSTEMRESOURCES.NOMINALP	This represents the installed generation capacity for the generation unit being described. This value shall always be provided in MW. A decimal point value may be used to express values that are inferior to the defined unit of measurement. All quantities are non-signed values. Note: Similar format to Item 20 above.	17 Numeric Characters including Decimal	Dependent	200.34	It is used only for download transmissions but not for upload transmissions.
30	Asset_Registered Resource Class	mRID	The identification of a transmission infrastructure asset is being provided.	The maximum length of the asset registered resource code is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.	Dependent	NULL	Not used for this report.
31	Asset_Registered Resource Class	Name	The name of the transmission infrastructure asset for which the information is being provided.	35 Alphanumeric characters	Yes	NULL	Not used for this report.

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32	Asset_Registered Resource Class	ASSET_PSRTYPE.PSRTYPE	This represents the coded identification of the type of asset being described. A04 = Production or Generation A05 = Consumption	3 Alphanumeric characters	Dependent	NULL	Not used for this report.
33	Asset_Registered Resource Class	LOCATION.NAME	The name of the location of the asset for which the unavailability information is being provided.	35 Alphanumeric characters	Dependent	NULL	Not used for this report.
34	Series_Period Class	TIMEINTERVAL	The start and end date and time for a given interval.	Both the start and the end date and time must be expressed in UTC as YYYY-MM-DDTHH:MMZ	Yes	Start Date =e.g. 2014-03-16T12:30Z End Date =e.g. 2014-03-16T13:00Z	
35	Series_Period Class	RESOLUTION	Definition of the number of units of time that compose an individual step within a period.	The Resolution is expressed in compliance with ISO 8601	Yes	PT60M or PT30M or PT15M or PT1M	PT60M if the resolution is hourly PT30M if the resolution is half hourly PT15M if the resolution is quarter hourly PT1M if the resolution is for a minute.
36	Point Class	Position	A sequential value representing the relative position within a given time interval.	The maximum number of characters is 6.	Yes	<Numeric Value> e.g. 1	The relative position must be expressed as a numeric integer value beginning with 1. All leading zeros must be suppressed.
37	Point Class	Quantity	The principal quantity identified for a point. This information defines the quantity of the load or generation that is taken from or put into the area for the position within the interval period.	The maximum length of this information is 17 numeric characters (decimal mark included).	Yes	<Numeric Value> e.g. 100.05	This value is identical to unavailability consumption capacity in this context.

38	Reason Class	Code	The reason code identifying that complementary information about unavailability or planned maintenance.	3 alphanumeric characters.	Yes	A95 or B18 or B19 or B20	A95: complementary information (this requires the use of the ReasonText attribute.) B18 = Failure B19 = Foreseen Maintenance B20 = Shutdown n
39	Reason Class	Text	This provides additional textual information concerning the unavailability which may be provided as necessary	512 alphanumeric characters.	Yes	<Reason Text>	

7.3.2 BRD ID: B1520 (A15.1b) - Changes In Actual Availability of Generation Units

Ref	Class	Title	Definition	Format	Mandatory	Value	Comments
1	Unavailability Market Document	mRID	<p>Unique identification of the document being exchanged within a business process flow. This identifies a given unavailability document.</p> <p>An Unavailability Market Document describes a specific unavailability and must have a unique identification assigned by the sender of the document for all transmissions to the receiver.</p> <p>All additions, modifications, or suppressions concerning the unavailability must use the same identification</p>	35 Characters	Yes	<p><MP EIC Code>- NGET-AAGU- <Sequence Number></p> <p>e.g.</p> <p><MP EIC Code>- NGET-AAGU- 00000001</p>	<p>AAGU = Actual Availability of Generation Unit</p> <p>The elements "mRID" and "revisionNumber" provide the complete identification of a document. Every time a document is modified the "mRID" does not change but the "revisionNumber" is incremented. A duplicate document within the system is any document received that has the same "mRID" and "revisionNumber" for a given sender.</p>

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2	Unavailability Market Document	revisionNumber	<p>Identification of the version that distinguishes one evolution of a document from another.</p> <p>The document version is used to identify a given version of a time series set for a given Period Time Interval.</p> <p>The first version number for a given document identification shall normally be 1. The document version number must be incremented for each retransmission of a document that contains changes to the previous version.</p>	3 Numeric Characters	Yes	<NNN> e.g. 1	<p>A numeric revision number should be supplied to reflect the revision/version of the document.</p> <p>The elements "mRID" and "revisionNumber" provide the complete identification of a document. Every time a document is modified the "mRID" does not change but the "revision Number" is incremented. A duplicate document within the system is any document received that has the same "mRID" and "revisionNumber" for a given sender.</p>
3	Unavailability Market Document	Type	The coded type of a document. The document type describes the principal characteristic of the document.	3 Alphanumeric Characters	Yes	A80	A80=Generation Unavailability
4	Unavailability Market Document	PROCESS.PROCESS TYPE	The process type identifies the type of processing to be carried out on the information.	3 Alphanumeric Characters	Yes	A26	A26 = Unavailability information
5	Unavailability Market Document	CREATEDDATE TIME	The date and time of the creation of the document. The date and time must be expressed in UTC as YYYY-MM-DDTHH:MM:SSZ.	YYYY-MM- DDTHH:MM:SS Z	Yes	YYYY-MM- DDTHH:MM:SSZ e.g. 2014-03- 16T14:32:45Z	Current Date and Time Stamp
6	Unavailability Market Document	SENDER_MARKETPARTICI PANT MRID	The Sender of the document is identified by the unique Code for Market Participant and a code for the coding scheme used is also required. Permitted codes are: "A01" for EIC coding scheme.	3 Alphanumeric characters for Coding scheme 16 Alphanumeric characters for Sender	Yes	<Market Participant EIC Code>	
7	Unavailability Market Document	SENDER_MARKETPARTICI PANT.MARKETROLE. TYPE	This is the code which identifies the role of the sender within the document.	3 Alphanumeric characters	Yes	A39	A39 = Data Provider

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8	Unavailability Market Document	RECEIVER_MARKETPARTICIPANT.MRID	The Receiver of the document is identified by the unique Code for Market Participant and a code for the coding scheme used is also required. The codification scheme used shall be: "A01" for EIC coding scheme.	16 Alphanumeric characters for Receiver 3 Alphanumeric characters for Coding scheme	Yes	10X1001A1001A5 15	This will be National Grid EIC Code.
9	Unavailability Market Document	RECEIVER_MARKETPARTICIPANT.MARKETROLE.TYPE	This is the code which identifies the role of the receiver within the document.	3 Alphanumeric characters	Yes	A04	A04 = System Operator or TSO(Transmission System Operator)
10	Unavailability Market Document	UNAVAILABILITY_TIME_PERIOD.TIMEINTERVAL	The start and end date and time for a given interval. --- The time interval that is associated with an electronic document and which is valid for the whole document.	Both the start and the end date and time must be expressed in UTC as YYYY-MM-DDTHH:MMZ	Yes	Start Date =e.g. 2014-03-19T14:32Z End Date =e.g. 2014-03-19T15:02Z	This information provides the start and end date and time of the time interval covering the whole unavailability document.
11	Unavailability Market Document	DOCSTATUS	Identification of the condition or position of the document with regard to its standing. It is used to identify an unavailability document that has been withdrawn or cancelled. This information is only provided to indicate a cancellation of an unavailability situation. The cancelled status only applies to planned outages. The withdrawn status is only used to indicate that the outage should be removed.	3 Alphanumeric Characters	Dependent	NULL or A09 or A13	NULL = Active A09= Cancelled A13= Withdrawn Note 1: In the case of this document the term "cancelled" refers to the cancellation of a planned unavailability. The term "withdrawn" refers to an unavailability that is erroneous and has to be removed from the transparency platform. Note 2: the Doc status should only be provided in the case of the withdrawal or cancellation of an unavailability document. Note 3: For active status the current assumption is that no value will be provided.

12	Time Series Class	mRID	A unique identification within the document assigned by the sender. This must be unique for the whole document and guarantee the non-duplication of all the attributes of the time series class.	35 Alphanumeric Characters	Yes	MP-NGET- AAGU-TS-< Sequence Number> e.g. MP-NGET- AAGU-TS- 00000001	AAGU=Actual Availability of Generation Unit
13	Time Series Class	BusinessType	The identification of the nature of the time series.	3 Alphanumeric characters	Yes	A53 or A54	A53 = Planned maintenance A54 = Forced unavailability
14	Time Series Class	BIDDINGZONE_DOMAIN.MRID	The identification of the bidding zone for which the unavailability information is being provided. A bidding zone cannot vary within an Outage Document	3 Alphanumeric characters	Dependent	10YGB-----A	GB Bidding Zone EIC Code
15	Time Series Class	IN_DOMAIN.MRID	The identification of the domain where the energy is going for which the unavailability information is being provided.	The maximum length of the area code is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.	Dependent	NULL	Not used for this report.
16	Time Series Class	OUT_DOMAIN.MRID	The identification of the domain where the energy is coming from for which the unavailability information is being provided.	The maximum length of the area code is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.	Dependent	NULL	Not used for this report.

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17	Time Series Class	START_DATEANDORTIME. DATE	This identifies the date of the start of the unavailability being described in the time series.	YYYY-MM-DD	Yes	e.g. 2014-03-18	
18	Time Series Class	START_DATEANDORTIME.T IME	This identifies the time of the start of the unavailability being described in the time series.	HH:MM:SSZ	Yes	e.g. 14:00:00Z	
19	Time Series Class	END_DATEANDORTIME.DA TE	This identifies the date of the end of the unavailability being described in the time series.	YYYY-MM-DD	Yes	e.g. 2014-03-18	
20	Time Series Class	END_DATEANDORTIME.TIM E	This identifies the time of the end of the unavailability being described in the time series	HH:MM:SSZ	Yes	e.g. 14:30:00Z	
21	Time Series Class	QUANTITY_MEASURE_UNIT .NAME	The identification of the formal code for a measurement unit	3 Alphanumeric Characters	Yes	MAW	MAW = Megawatts
22	Time Series Class	CURVEIYPE	The identification of the coded representation of the type of curve being described.	3 Alphanumeric Characters	Yes	A01 or A03	A01 = Sequential fixed size block or A03 = Variable sized Block Please note that submissions via the FTP or the Web Services will allow either of the two values (A01 or A03), but the MODIS GUI screens for manual report data entry currently restricts the value to A01.
23	Time Series Class	PRODUCTION_REGISTERE DRESOURCE.MRID	The identification of a production unit that is affected by the unavailability	16 Alphanumeric characters for Resource Code 3 Alphanumeric characters for Coding scheme	Dependent	<Production Unit EIC Code>	Production Unit EIC Code as registered with Market Participant

24	Time Series Class	PRODUCTION_REGISTEREDRESOURCE.NAME	The name of the registered resource being provided.	35 Alphanumeric Characters	Dependent	<Production Unit BMU ID >	It is used only for down load transmissions but not for upload transmissions. This field should be used for BMU ID so that traceability could be maintained against the registered Unit in NG.
25	Time Series Class	PRODUCTION_REGISTEREDRESOURCE.PSRTYPE.PSRTYPE	This represents the coded type of production unit resource being described	3 Alphanumeric characters	Dependent	A04 or A05	It is used only for down load transmissions but not for upload transmissions. I
26	Time Series Class	PRODUCTION_REGISTEREDRESOURCE.LOCATION.NAME	This represents the location for the production registered resource.	35 Alphanumeric Characters.	Dependent	GB	It is used only for down load transmissions but not for upload transmissions.
27	Time Series Class	PRODUCTION_REGISTEREDRESOURCE.PSRTYPE.POWERSYSTEMRECORDS.MRID	The identification of the generation unit for which the generation information is being provided. The codification scheme used shall be: "A01" for EIC coding scheme.	16 Alphanumeric characters for Generation Unit Code 3 Alphanumeric characters for Coding scheme	Dependent	<Generating Unit EIC Code>	Generating Unit Id as registered with Market Participant
28	Time Series Class	PRODUCTION_REGISTEREDRESOURCE.PSRTYPE.POWERSYSTEMRECORDS.NAME	This represents the name of the generation unit.	35 Alphanumeric Characters	Dependent	<Generating Unit BMU ID or BMU Name>	Gen Unit BMU ID. This field should be used for BMU ID so that traceability could be maintained against the registered Unit in NG.. It is used only for down load transmissions but not for upload transmissions.

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29	Time Series Class	PRODUCTION_REGISTERED_RESOURCE.PSRTYPE.PO WERSYSTEMRESOURCES. NOMINALP	This represents the installed generation capacity for the generation unit being described. This value shall always be provided in MW. A decimal point value may be used to express values that are inferior to the defined unit of measurement. All quantities are non-signed values. Note: Similar format to Item 20 above.	17 Numeric Characters including Decimal	Dependent	200.34	It is used only for download transmissions but not for upload transmissions.
30	Asset_Registered Resource Class	mRID	The identification of a transmission infrastructure asset is being provided.	The maximum length of the asset registered resource code is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.	Dependent	NULL	Not used for this report.
31	Asset_Registered Resource Class	Name	The name of the transmission infrastructure asset for which the information is being provided.	35 Alphanumeric characters	Yes	NULL	Not used for this report.
32	Asset_Registered Resource Class	ASSET_PSRTYPE.PSRTYPE	This represents the coded identification of the type of asset being described. A04 = Production or Generation A05 = Consumption	3 Alphanumeric characters	Dependent	NULL	Not used for this report.
33	Asset_Registered Resource Class	LOCATION.NAME	The name of the location of the asset for which the unavailability information is being provided.	35 Alphanumeric characters	Dependent	NULL	Not used for this report.

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34	Series_Period Class	TIMEINTERVAL	The start and end date and time for a given interval.	Both the start and the end date and time must be expressed in UTC as YYYY-MM-DDTHH:MMZ	Yes	Start Date =e.g. 2014-03-16T12:30Z End Date =e.g. 2014-03-16T13:00Z	
35	Series_Period Class	RESOLUTION	Definition of the number of units of time that compose an individual step within a period.	The Resolution is expressed in compliance with ISO 8601	Yes	PT60M or PT30M or PT15M or PT1M	PT60M if the resolution is hourly PT30M if the resolution is half hourly PT15M if the resolution is quarter hourly PT1M if the resolution is for a minute.
36	Point Class	Position	A sequential value representing the relative position within a given time interval.	The maximum number of characters is 6.	Yes	<Numeric Value> e.g. 1	The relative position must be expressed as a numeric integer value beginning with 1. All leading zeros must be suppressed.
37	Point Class	Quantity	The principal quantity identified for a point. This information defines the quantity of the load or generation that is taken from or put into the area for the position within the interval period.	The maximum length of this information is 17 numeric characters (decimal mark included).	Yes	<Numeric Value> e.g. 100.05	This value is identical to unavailability consumption capacity in this context.
38	Reason Class	Code	The reason code identifying that complementary information about unavailability or planned maintenance.	3 alphanumeric characters.	Yes	A95 or B18 or B19 or B20	A95: complementary information (this requires the use of the ReasonText attribute.) B18 = Failure B19 = Foreseen Maintenance B20 = Shutdown
39	Reason Class	Text	This provides additional textual information concerning the unavailability which may be provided as necessary	512 alphanumeric characters.	Yes	<Reason Text>	

7.3.3 BRD ID: B1530 (A15.1c) - Planned unavailability of production units

Ref	Class	Title	Definition	Format	Mandatory	Value	Comments
1	Unavailability Market Document	mRID	<p>Unique identification of the document being exchanged within a business process flow. This identifies a given unavailability document.</p> <p>An Unavailability Market Document describes a specific unavailability and must have a unique identification assigned by the sender of the document for all transmissions to the receiver.</p> <p>All additions, modifications, or suppressions concerning the unavailability must use the same identification</p>	35 Characters	Yes	<p><MP EIC Code>- NGET-PUPU- <Sequence Number></p> <p>e.g. <MP EIC Code>-NGET-PUPU-00000001</p>	<p>PUPU = Planned Unavailability of Production Unit</p> <p>The elements "mRID" and "revisionNumber" provide the complete identification of a document. Every time a document is modified the "mRID" does not change but the "revision Number" is incremented. A duplicate document within the system is any document received that has the same "mRID" and "revisionNumber" for a given sender.</p>
2	Unavailability Market Document	revisionNumber	<p>Identification of the version that distinguishes one evolution of a document from another.</p> <p>The document version is used to identify a given version of a time series set for a given Period Time Interval.</p> <p>The first version number for a given document identification shall normally be 1.</p> <p>The document version number must be incremented for each retransmission of a document that contains changes to the previous version.</p>	3 Numeric Characters	Yes	<p><NNN></p> <p>e.g. 1</p>	<p>A numeric revision number should be supplied to reflect the revision/version of the document.</p> <p>The elements "mRID" and "revisionNumber" provide the complete identification of a document. Every time a document is modified the "mRID" does not change but the "revision Number" is incremented. A duplicate document within the system is any document received that has the same "mRID" and "revisionNumber" for a given sender.</p>
3	Unavailability Market Document	Type	<p>The coded type of a document. The document type describes the principal characteristic of the document.</p>	3 Alphanumeric Characters	Yes	A77	A77=Production Unavailability

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4	Unavailability Market Document	PROCESS.PROCESSTYPE	The process type identifies the type of processing to be carried out on the information.	3 Alphanumeric Characters	Yes	A26	A26 = Unavailability information
5	Unavailability Market Document	CREATEDDATE TIME	The date and time of the creation of the document. The date and time must be expressed in UTC as YYYY-MM-DDTHH:MM:SSZ.	YYYY-MM-DDTHH:MM:SSZ	Yes	YYYY-MM-DDTHH:MM:SSZ e.g. 2014-03-16T14:32:45Z	Current Date and Time Stamp
6	Unavailability Market Document	SENDER_MARKETPARTICIPANT.MRID	The Sender of the document is identified by the unique Code for Market Participant and a code for the coding scheme used is also required. Permitted codes are: "A01" for EIC coding scheme.	3 Alphanumeric characters for Coding scheme 16 Alphanumeric characters for Sender	Yes	<Market Participant EIC Code>	
7	Unavailability Market Document	SENDER_MARKETPARTICIPANT.MARKETROLE.TYPE	This is the code which identifies the role of the sender within the document.	3 Alphanumeric characters	Yes	A39	A39 = Data Provider
8	Unavailability Market Document	RECEIVER_MARKETPARTICIPANT.MRID	The Receiver of the document is identified by the unique Code for Market Participant and a code for the coding scheme used is also required. The codification scheme used shall be: "A01" for EIC coding scheme.	16 Alphanumeric characters for Receiver 3 Alphanumeric characters for Coding scheme	Yes	10X1001A1001A515	This will be National Grid EIC Code.
9	Unavailability Market Document	RECEIVER_MARKETPARTICIPANT.MARKETROLE.TYPE	This is the code which identifies the role of the receiver within the document.	3 Alphanumeric characters	Yes	A04	A04 = System Operator or TSO(Transmission System Operator)
10	Unavailability Market Document	UNAVAILABILITY_TIME_PERIOD.TIMEINTERVAL	The start and end date and time for a given interval.	Both the start and the end date and time must be expressed in UTC as YYYY-MM-DDTHH:MMZ	Yes	Start Date =e.g. 2014-03-19T14:32Z End Date =e.g. 2014-03-19T15:02Z	This information provides the start and end date and time of the time interval covering the whole unavailability document.

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11	Unavailability Market Document	DOCSTATUS	<p>Identification of the condition or position of the document with regard to its standing. It is used to identify an unavailability document that has been withdrawn or cancelled.</p> <p>This information is only provided to indicate a cancellation of an unavailability situation. The cancelled status only applies to planned outages.</p> <p>The withdrawn status is only used to indicate that the outage should be removed.</p>	3 Alphanumeric Characters	Dependent	NULL or A09 or A13	<p>NULL = Active A09= Cancelled A13= Withdraw n</p> <p>Note 1: In the case of this document the term “cancelled” refers to the cancellation of a planned unavailability. The term “withdraw n” refers to an unavailability that is erroneous and has to be removed from the transparency platform.</p> <p>Note 2: the Doc status should only be provided in the case of the withdrawal or cancellation of an unavailability document.</p> <p>Note 3: For active status the current assumption is that no value will be provided.</p>
12	Time Series Class	mRID	<p>A unique identification within the document assigned by the sender.</p> <p>This must be unique for the whole document and guarantee the non-duplication of all the attributes of the time series class.</p>	35 Alphanumeric Characters	Yes	<p>MP-NGET- PUPU-TS-< Sequence Number></p> <p>e.g. MP-NGET- TS-PUPU- 00000001</p>	PUPU=Planned Unavailability of Production Unit
13	Time Series Class	BusinessType	<p>The identification of the nature of the time series.</p>	3 Alphanumeric characters	Yes	A53 or A54	<p>A53 = Planned maintenance A54 = Forced unavailability</p>
14	Time Series Class	BIDDINGZONE_DOMAIN.MRID	<p>The identification of the bidding zone for which the unavailability information is being provided.</p> <p>A bidding zone cannot vary within an Outage Document</p>	3 Alphanumeric characters	Dependent	10YGB-----A	GB Bidding Zone EIC Code

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15	Time Series Class	IN_DOMAIN.MRID	The identification of the domain where the energy is going for which the unavailability information is being provided.	The maximum length of the area code is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.	Dependent	NULL	Not used for this report.
16	Time Series Class	OUT_DOMAIN.MRID	The identification of the domain where the energy is coming from for which the unavailability information is being provided.	The maximum length of the area code is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.	Dependent	NULL	Not used for this report.
17	Time Series Class	START_DATEANDORTIME.DATE	This identifies the date of the start of the unavailability being described in the time series.	YYYY-MM-DD	Yes	e.g. 2014-03-18	
18	Time Series Class	START_DATEANDORTIME.TIME	This identifies the time of the start of the unavailability being described in the time series.	HH:MM:SSZ	Yes	e.g. 14:00:00Z	
19	Time Series Class	END_DATEANDORTIME.DATE	This identifies the date of the end of the unavailability being described in the time series.	YYYY-MM-DD	Yes	e.g. 2014-03-18	
20	Time Series Class	END_DATEANDORTIME.TIME	This identifies the time of the end of the unavailability being described in the time series	HH:MM:SSZ	Yes	e.g. 14:30:00Z	
21	Time Series Class	QUANTITY_MEASURE_UNIT.NAME	The identification of the formal code for a measurement unit	3 Alphanumeric Characters	Yes	MAW	MAW = Megawatts

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22	Time Series Class	CURVETYPE	The identification of the coded representation of the type of curve being described.	3 Alphanumeric Characters	Yes	A01 or A03	A01 = Sequential fixed size block or A03 = Variable sized Block Please note that submissions via the FTP or the Web Services will allow either of the two values (A01 or A03), but the MODIS GUI screens for manual report data entry currently restricts the value to A01.
23	Time Series Class	PRODUCTION_REGISTEREDRESOURCE.MRID	The identification of a production unit that is affected by the unavailability	16 Alphanumeric characters for Resource Code 3 Alphanumeric characters for Coding scheme	Dependent	<Production Unit EIC Code>	Unit Id as registered with Market Participant
24	Time Series Class	PRODUCTION_REGISTEREDRESOURCE.NAME	The name of the registered resource being provided.	35 Alphanumeric Characters	Dependent	<Production Unit BMU ID >	It is used only for download transmissions but not for upload transmissions. This field should be used for BMU ID so that traceability could be maintained against the registered Unit in NG.
25	Time Series Class	PRODUCTION_REGISTEREDRESOURCE.PSRTYPE.PSRTYPE	This represents the coded type of production unit resource being described	3 Alphanumeric characters	Dependent	A04 or A05	It is used only for download transmissions but not for upload transmissions. I
26	Time Series Class	PRODUCTION_REGISTEREDRESOURCE.LOCATION.NAME	This represents the location for the production registered resource.	35 Alphanumeric Characters.	Dependent	GB	It is used only for download transmissions but not for upload transmissions.

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27	Time Series Class	PRODUCTION_REGISTERED_RESOURCE.PSRTYPE.POWER_SYSTEM_RESOURCES.MRID	The identification of the generation unit for which the generation information is being provided. The codification scheme used shall be: "A01" for EC coding scheme.	16 Alphanumeric characters for Generation Unit Code 3 Alphanumeric characters for Coding scheme	Dependent	NULL	Not used for this report.
28	Time Series Class	PRODUCTION_REGISTERED_RESOURCE.PSRTYPE.POWER_SYSTEM_RESOURCES.NAME	This represents the name of the generation unit.	35 Alphanumeric Characters	Dependent	NULL	Not used for this report.
29	Time Series Class	PRODUCTION_REGISTERED_RESOURCE.PSRTYPE.POWER_SYSTEM_RESOURCES.NOMINALP	This represents the installed generation capacity for the generation unit being described. This value shall always be provided in MW. A decimal point value may be used to express values that are inferior to the defined unit of measurement. All quantities are non-signed values. Note: Similar format to Item 20 above.	17 Numeric Characters including Decimal	Dependent	200.34	It is used only for download transmissions but not for upload transmissions.
30	Asset Registered Resource Class	mRID	The identification of a transmission infrastructure asset is being provided.	The maximum length of the asset registered resource code is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.	Dependent	NULL	Not used for this report.
31	Asset Registered Resource Class	Name	The name of the transmission infrastructure asset for which the information is being provided.	35 Alphanumeric characters	Yes	NULL	Not used for this report.

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32	Asset_Registered Resource Class	ASSET_PSRTYPE.PSRTYPE	This represents the coded identification of the type of asset being described. A04 = Production or Generation A05 = Consumption	3 Alphanumeric characters	Dependent	NULL	Not used for this report.
33	Asset_Registered Resource Class	LOCATION.NAME	The name of the location of the asset for which the unavailability information is being provided.	35 Alphanumeric characters	Dependent	NULL	Not used for this report.
34	Series_Period Class	TIMEINTERVAL	The start and end date and time for a given interval.	Both the start and the end date and time must be expressed in UTC as YYYY-MM-DDTHH:MMZ	Yes	Start Date =e.g. 2014-03-16T12:30Z End Date =e.g. 2014-03-16T13:00Z	
35	Series_Period Class	RESOLUTION	Definition of the number of units of time that compose an individual step within a period.	The Resolution is expressed in compliance with ISO 8601	Yes	PT60M or PT30M or PT15M or PT1M	PT60M if the resolution is hourly PT30M if the resolution is half hourly PT15M if the resolution is quarter hourly PT1M if the resolution is for a minute.
36	Point Class	Position	A sequential value representing the relative position within a given time interval.	The maximum number of characters is 6.	Yes	<Numeric Value> e.g. 1	The relative position must be expressed as a numeric integer value beginning with 1. All leading zeros must be suppressed.
37	Point Class	Quantity	The principal quantity identified for a point. This information defines the quantity of the load or generation that is taken from or put into the area for the position within the interval period.	The maximum length of this information is 17 numeric characters (decimal mark included).	Yes	<Numeric Value> e.g. 100.05	This value is identical to unavailability consumption capacity in this context.

38	Reason Class	Code	The reason code identifying that complementary information about unavailability or planned maintenance.	3 alphanumeric characters.	Yes	A95 or B18 or B19 or B20	A95: complementary information (this requires the use of the ReasonText attribute.) B18 = Failure B19 = Foreseen Maintenance B20 = Shutdown
39	Reason Class	Text	This provides additional textual information concerning the unavailability which may be provided as necessary	512 alphanumeric characters.	Yes	<Reason Text>	

7.3.4 BRD ID: B1540 (A15.1d) - Changes In Actual Availability of Production Units

Ref	Class	Title	Definition	Format	Mandatory	Value	Comments
1	Unavailability Market Document	mRID	<p>Unique identification of the document being exchanged within a business process flow. This identifies a given unavailability document.</p> <p>An Unavailability Market Document describes a specific unavailability and must have a unique identification assigned by the sender of the document for all transmissions to the receiver.</p> <p>All additions, modifications, or suppressions concerning the unavailability must use the same identification</p>	35 Characters	Yes	<p><MP EIC Code>- NGET-AAPU- <Sequence Number></p> <p>e.g. <MP EIC Code>- NGET-AAPU- 00000001</p>	<p>AAPU = Actual Availability of Production Unit</p> <p>The elements "mRID" and "revisionNumber" provide the complete identification of a document. Every time a document is modified the "mRID" does not change but the "revision Number" is incremented. A duplicate document within the system is any document received that has the same "mRID" and "revisionNumber" for a given sender.</p>

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2	Unavailability Market Document	revisionNumber	<p>Identification of the version that distinguishes one evolution of a document from another.</p> <p>The document version is used to identify a given version of a time series set for a given Period Time Interval.</p> <p>The first version number for a given document identification shall normally be 1. The document version number must be incremented for each retransmission of a document that contains changes to the previous version.</p>	3 Numeric Characters	Yes	<NNN> e.g. 1	<p>A numeric revision number should be supplied to reflect the revision/version of the document.</p> <p>The elements "mRID" and "revisionNumber" provide the complete identification of a document. Every time a document is modified the "mRID" does not change but the "revision Number" is incremented. A duplicate document within the system is any document received that has the same "mRID" and "revisionNumber" for a given sender.</p>
3	Unavailability Market Document	Type	The coded type of a document. The document type describes the principal characteristic of the document.	3 Alphanumeric Characters	Yes	A77	A77=Production Unavailability
4	Unavailability Market Document	PROCESS.PROCESS TYPE	The process type identifies the type of processing to be carried out on the information.	3 Alphanumeric Characters	Yes	A26	A26 = Unavailability information
5	Unavailability Market Document	CREATEDDATE TIME	The date and time of the creation of the document. The date and time must be expressed in UTC as YYYY-MM-DDTHH:MM:SSZ.	YYYY-MM-DDTHH:MM:SSZ	Yes	YYYY-MM-DDTHH:MM:SSZ e.g. 2014-03-16T14:32:45Z	Current Date and Time Stamp
6	Unavailability Market Document	SENDER_MARKETPARTICIPANT.MRID	The Sender of the document is identified by the unique Code for Market Participant and a code for the coding scheme used is also required. Permitted codes are: "A01" for EIC coding scheme.	3 Alphanumeric characters for Coding scheme 16 Alphanumeric characters for Sender	Yes	<Market Participant EIC Code>	
7	Unavailability Market Document	SENDER_MARKETPARTICIPANT.MARKETROLE.TYPE	This is the code which identifies the role of the sender within the document	3 Alphanumeric characters	Yes	A39	A39 = Data Provider

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8	Unavailability Market Document	RECEIVER_MARKETPARTICIPANT.MRID	The Receiver of the document is identified by the unique Code for Market Participant and a code for the coding scheme used is also required. The codification scheme used shall be: "A01" for EIC coding scheme.	16 Alphanumeric characters for Receiver 3 Alphanumeric characters for Coding scheme	Yes	10X1001A1001A5 15	This will be National Grid EIC Code.
9	Unavailability Market Document	RECEIVER_MARKETPARTICIPANT.MARKETROLE.TYPE	This is the code which identifies the role of the receiver within the document.	3 Alphanumeric characters	Yes	A04	A04 = System Operator or TSO(Transmission System Operator)
10	Unavailability Market Document	UNAVAILABILITY_TIME_PERIOD.TIMEINTERVAL	The start and end date and time for a given interval. --- The time interval that is associated with an electronic document and which is valid for the whole document.	Both the start and the end date and time must be expressed in UTC as YYYY-MM-DDTHH:MMZ	Yes	Start Date =e.g. 2014-03-19T14:32Z End Date =e.g. 2014-03-19T15:02Z	This information provides the start and end date and time of the time interval covering the whole unavailability document.
11	Unavailability Market Document	DOCSTATUS	Identification of the condition or position of the document with regard to its standing. It is used to identify an unavailability document that has been withdrawn or cancelled. This information is only provided to indicate a cancellation of an unavailability situation. The cancelled status only applies to planned outages. The withdrawn status is only used to indicate that the outage should be removed.	3 Alphanumeric Characters	Dependent	NULL or A09 or A13	NULL =Active A09= Cancelled A13= Withdrawn Note 1: In the case of this document the term "cancelled" refers to the cancellation of a planned unavailability. The term "withdrawn" refers to an unavailability that is erroneous and has to be removed from the transparency platform. Note 2: the Doc status should only be provided in the case of the withdrawal or cancellation of an unavailability document. Note 3: For active status the current assumption is that no value will be provided.

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12	Time Series Class	mRID	A unique identification within the document assigned by the sender. This must be unique for the whole document and guarantee the non-duplication of all the attributes of the time series class.	35 Alphanumeric Characters	Yes	MP-NGET- AAPU-TS-< Sequence Number> e.g. MP-NGET- AAPU-TS- 00000001	AAPU=Actual Availability of Production Unit
13	Time Series Class	BusinessType	The identification of the nature of the time series.	3 Alphanumeric characters	Yes	A53 or A54	A53 = Planned maintenance A54 = Forced unavailability
14	Time Series Class	BIDDINGZONE_DOMAIN.MRID	The identification of the bidding zone for which the unavailability information is being provided. A bidding zone cannot vary within an Outage Document	3 Alphanumeric characters	Dependent	10YGB-----A	GB Bidding Zone EIC Code
15	Time Series Class	IN_DOMAIN.MRID	The identification of the domain where the energy is going for which the unavailability information is being provided.	The maximum length of the area code is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.	Dependent	NULL	Not used for this report.
16	Time Series Class	OUT_DOMAIN.MRID	The identification of the domain where the energy is coming from for which the unavailability information is being provided.	The maximum length of the area code is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.	Dependent	NULL	Not used for this report.

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17	Time Series Class	START_DATEANDORTIME. DATE	This identifies the date of the start of the unavailability being described in the time series.	YYYY-MM-DD	Yes	e.g. 2014-03-18	
18	Time Series Class	START_DATEANDORTIME.T IME	This identifies the time of the start of the unavailability being described in the time series.	HH:MM:SSZ	Yes	e.g. 14:00:00Z	
19	Time Series Class	END_DATEANDORTIME.DA TE	This identifies the date of the end of the unavailability being described in the time series.	YYYY-MM-DD	Yes	e.g. 2014-03-18	
20	Time Series Class	END_DATEANDORTIME.TIM E	This identifies the time of the end of the unavailability being described in the time series	HH:MM:SSZ	Yes	e.g. 14:30:00Z	
21	Time Series Class	QUANTITY_MEASURE_UNIT .NAME	The identification of the formal code for a measurement unit	3 Alphanumeric Characters	Yes	MAW	MAW = Megawatts
22	Time Series Class	CURVE TYPE	The identification of the coded representation of the type of curve being described.	3 Alphanumeric Characters	Yes	A01 or A03	A01 = Sequential fixed size block or A03 = Variable sized Block Please note that submissions via the FTP or the Web Services will allow either of the two values (A01 or A03), but the MODIS GUI screens for manual report data entry currently restricts the value to A01.
23	Time Series Class	PRODUCTION_REGISTERE DRESOURCE.MRID	The identification of a production unit that is affected by the unavailability	16 Alphanumeric characters for Resource Code 3 Alphanumeric characters for Coding scheme	Dependent	<Production Unit EIC Code>	Unit Id as registered with Market Participant

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24	Time Series Class	PRODUCTION_REGISTEREDRESOURCE.NAME	The name of the registered resource being provided.	35 Alphanumeric Characters	Dependent	<Production Unit BMU ID >	It is used only for download transmissions but not for upload transmissions. This field should be used for BMU ID so that traceability could be maintained against the registered Unit in NG.
25	Time Series Class	PRODUCTION_REGISTEREDRESOURCE.PSRTYPE.PSRTYPE	This represents the coded type of production unit resource being described	3 Alphanumeric characters	Dependent	A04 or A05	It is used only for download transmissions but not for upload transmissions.
26	Time Series Class	PRODUCTION_REGISTEREDRESOURCE.LOCATION.NAME	This represents the location for the production registered resource.	35 Alphanumeric Characters.	Dependent	GB	It is used only for download transmissions but not for upload transmissions.
27	Time Series Class	PRODUCTION_REGISTEREDRESOURCE.PSRTYPE.POWERSYSTEMRESOURCES.MRID	The identification of the generation unit for which the generation information is being provided. The codification scheme used shall be: "A01" for EIC coding scheme.	16 Alphanumeric characters for Generation Unit Code 3 Alphanumeric characters for Coding scheme	Dependent	NULL	Not used for this report.
28	Time Series Class	PRODUCTION_REGISTEREDRESOURCE.PSRTYPE.POWERSYSTEMRESOURCES.NAME	This represents the name of the generation unit.	35 Alphanumeric Characters	Dependent	NULL	Not used for this report.
29	Time Series Class	PRODUCTION_REGISTEREDRESOURCE.PSRTYPE.POWERSYSTEMRESOURCES.NOMINALP	This represents the installed generation capacity for the generation unit being described. This value shall always be provided in MW. A decimal point value may be used to express values that are inferior to the defined unit of measurement. All quantities are non-signed values. Note: Similar format to Item 20 above.	17 Numeric Characters including Decimal	Dependent	200.34	It is used only for download transmissions but not for upload transmissions.

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30	Asset_Registered Resource Class	mRID	The identification of a transmission infrastructure asset is being provided.	The maximum length of the asset registered resource code is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.	Dependent	NULL	Not used for this report.
31	Asset_Registered Resource Class	Name	The name of the transmission infrastructure asset for which the information is being provided.	35 Alphanumeric characters	Yes	NULL	Not used for this report.
32	Asset_Registered Resource Class	ASSET_PSRTYPE.PSRTYPE	This represents the coded identification of the type of asset being described. A04 = Production or Generation A05 = Consumption	3 Alphanumeric characters	Dependent	NULL	Not used for this report.
33	Asset_Registered Resource Class	LOCATION.NAME	The name of the location of the asset for which the unavailability information is being provided.	35 Alphanumeric characters	Dependent	NULL	Not used for this report.
34	Series_Period Class	TIMEINTERVAL	The start and end date and time for a given interval.	Both the start and the end date and time must be expressed in UTC as YYYY-MM-DDTHH:MMZ	Yes	Start Date =e.g. 2014-03-16T12:30Z End Date =e.g. 2014-03-16T13:00Z	

35	Series_Period Class	RESOLUTION	Definition of the number of units of time that compose an individual step within a period.	The Resolution is expressed in compliance with ISO 8601	Yes	PT60M or PT30M or PT15M or PT1M	PT60M if the resolution is hourly PT30M if the resolution is half hourly PT15M if the resolution is quarter hourly PT1M if the resolution is for a minute.
36	Point Class	Position	A sequential value representing the relative position within a given time interval.	The maximum number of characters is 6.	Yes	<Numeric Value> e.g. 1	The relative position must be expressed as a numeric integer value beginning with 1. All leading zeros must be suppressed.
37	Point Class	Quantity	The principal quantity identified for a point.. This information defines the quantity of the load or generation that is taken from or put into the area for the position within the interval period.	The maximum length of this information is 17 numeric characters (decimal mark included).	Yes	<Numeric Value> e.g. 100.05	This value is identical to unavailability consumption capacity in this context.
38	Reason Class	Code	The reason code identifying that complementary information about unavailability or planned maintenance.	3 alphanumeric characters.	Yes	A95 or B18 or B19 or B20	A95: complementary information (this requires the use of the ReasonText attribute.) B18 = Failure B19 = Foreseen Maintenance B20 = Shutdown
39	Reason Class	Text	This provides additional textual information concerning the unavailability which may be provided as necessary	512 alphanumeric characters.	Yes	<Reason Text>	

7.4 REMIT Requirements

Currently, market participants can submit REMIT information via any of the four interfaces exposed by MODIS application. This information is in turn sent to BMRS in the form of XML by MODIS. The XML generated by MODIS complies with the XSD provided by ELEXON

1. As per ACER requirements, the MP should have the provision to submit Unavailability's of Electricity Facilities information, Other Market Information and multiple outage profile events via the REMIT report.
2. As per the new ELEXON XSD, a MP can either submit one of the two message types within the REMIT report. The two message types are:
 - Unavailability's of Electricity Facilities information
 - ther Market Information
 Also, up to 200 outage profile events can be submitted via REMIT report along with either of the above two message types.
3. If a MP submits an XML file containing both the message types, then the XML file will fail the XSD conformance check and follow the existing failure path back to the MP.
4. After go live of ACER REMIT project, MP can submit revisions for REMIT reports submitted before go live. The revisions will have to be submitted in conformance with the new XSD.

7.4.1 BRD UC1: Unavailability's of Electricity Facilities information

	Changes in existing field
	New fields added

Ref	Class	Title	Definition	Format	Mandatory	Values	Validation	Notes
1	Message Class	Version	Version of the XSD.	Refer Notes Column	Yes	2	Validation will be changed to check for 2.0 in place of version 1.0	Value preset to "2.0"

2	Message Class	mRID	Unique identification of the message	34, [A-Z0-9-]{16}-(ELXP NGET)-RMT-[0-9]{8}	Yes	<mRID>	Field length changed from 35 characters to 34 characters. Validation will be updated to validate for new length and against new pattern [A-Z0-9-]{16}-(ELXP NGET)-RMT-[0-9]{8}	Pattern would be <MP EIC Code>-NGET-RMT-<Sequence number>
3	Message Class	revisionNumber	Unique identification of the message revision	Positive Integer, upto 3 digits	Yes		Validate that number is either equal to 1 or 999 or between them	
4	Message Class	DocumentType	Unique identification of the document being exchanged within a business process flow	Refer Values Column	Yes	REMIT_document	No change in existing validation	
5	Message Class	Sender_MarketParticipantID	Unique identifier for the Market Participant sending the document	16 [A-Z0-9-]{16}	Yes	<Sender Market Participant Identifier>	No change in existing validation	No change to this field. This will use the EIC form of participant ID
6	Message Class	Sender_MarketParticipantRole	Code identifying the role of the sender of the document	3, Refer values column	Yes	A01 to A39	No change in existing validation	No change to this field.
7	Message Class	Receiver_MarketParticipantID	Unique identifier for the Market Participant receiving the document, in EIC form	16 [A-Z0-9-]{16}	Yes	<Receiver Market Participant Identifier>	No change in existing validation	No change to this field. This will be the ELEXON EIC

								Code
8	Message Class	Receiver_MarketParticipantRole	Code identifying the role of the receiver of the document.	3, Refer values column	Yes	A01 to A39	No change in existing validation	No change to this field. This will be the ELEXON EIC role code
9	Message Class	CreatedDateTime	Document create date time	UTC date time	Yes	YYYY-MM-DDTHH:MM:SSZ 2013-12-18T12:15:21Z	No change in existing validation	No change to this field.
10	Unavailabilities Of Electricity Facilities class	MessageHeading	Description of message.	Up to 150 characters	Yes	<Message Heading>	No change in existing validation	1) No change to this field. 2) Free text field
11	Unavailabilities Of Electricity Facilities Class	EventType	Categorization of the events.	Refer Value Column	Yes	Production unavailability, Transmission unavailability, Consumption unavailability, Other unavailability	Validate that value is one of the defined values from list	
12	Unavailabilities Of Electricity Facilities Class	UnavailabilityType	Classifies the unavailability .	Refer Value Column	Yes	Planned, Unplanned	Validate that value is one of the defined values from list	
13	Unavailabilities Of Electricity Facilities Class	Participant_MarketParticipantID	Unique identification of	Up to 8 characters	Yes	<Market Participant Identifier>	No change in existing	1) No change to this field.

			the Market Participant associated with the event being reported upon				validation	2) Either a registered BSC participant ID or a non-BSC participant ID registered with ELEXON
14	UnavailabilitiesOfElectricity Facilities Class	Participant_ACERRegistrationCode	Unique registration code for the participant.	Refer Notes Column	Yes		12 - [A-Za-z0-9_]+\.[A-Z][A-Z] 20 - [A-Za-z0-9_]+ 11 - [A-Za-z0-9_]+ 16 - [0-9][0-9][XYZWV].+ 13 - [A-Za-z0-9_-]+	New Field. The field can be of five different lengths and for each there is a different pattern to be matched
15	UnavailabilitiesOfElectricity Facilities Class	AssetId	Unique identification of an asset	Up to 18 characters	Yes	<Asset Identifier>	No change in existing validation	1) No change to this field. 2) Asset Identifier
16	UnavailabilitiesOfElectricity Facilities Class	AssetType	Type of asset being reported upon	Refer Value Column	No	Production Consumption Transmission Distribution	No change in existing validation	1) No change to this field.
17	UnavailabilitiesOfElectricity Facilities Class	AffectedUnit	Unit affected by the event	Up to 50 characters	Yes	<Affected Unit>	Validation will be changed to check for new length of 50 characters	1) No change to this field. 2) Free text identification of the unit affected

18	UnavailabilitiesOfElectricity Facilities Class	AffectedUnitEIC	Energy Identification Code of the unit affected by the event	16 [A-Z0-9-]{16}	No	<Affected Unit EIC>	No change in existing validation	1) No change to this field 2) EIC code of the unit affected
19	UnavailabilitiesOfElectricity Facilities Class	AffectedArea	BMRS Zone affected by the event	Refer to Values column	No	N, B1, B2, B3, B4, B5, B6, B7, B8, B9, B10, B11, B12, B13, B14, B15, B16, B17	No change in existing validation	1) No change to this field.
20	UnavailabilitiesOfElectricity Facilities Class	BiddingZone	Bidding Zone relating to event.	16 [0-9][0-9][XYZTWV].+	Yes	<Bidding Zone>	Conform to pattern [0-9][0-9][XYZTWV].+	New Field For submission on BMRS, the Bidding zone will always be GB and where relevant, participants currently use "10YGB-----A" for submission European Transparency Regulation Data (543/2013)
21	UnavailabilitiesOfElectricity Facilities Class	FuelType	BMRS Fuel Type of the asset affected by the event	Refer to Values column	No	Biomass, Fossil Brown coal/Lignite, Fossil Coal-derived gas, Fossil Gas, Fossil Hard coal, Fossil Oil, Fossil Oil shale, Fossil Peat,	Validate that value is one of the defined values from list	Existing values would be replaced by the new set of values specified in the "Values" column

						Geothermal, Hydro Pumped Storage, Hydro Run-of-river and poundage, Hydro Water Reservoir, Marine, Nuclear, Other renew able, Solar, Waste, Wind Offshore, Wind Onshore, Other		
22	UnavailabilitiesOfElectricity Facilities Class	NormalCapacity	Normal capacity information	13,3	Yes	<Normal Capacity>	Valid decimal of specified length	1) No change to this field.
23	UnavailabilitiesOfElectricity Facilities Class	AvailableCapacity	Available capacity information	13,3	Yes	<Available Capacity>	Valid decimal of specified length	1) No change to this field.
24	UnavailabilitiesOfElectricity Facilities Class	UnavailableCapacity	Unavailable capacity information	13,3	Yes	<Unavailable Capacity>	Valid decimal of specified length	New Field
25	UnavailabilitiesOfElectricity Facilities Class	EventStatus	Status of the event	Refer Value Column	Yes	Active, Dismissed, Inactive	Validation will be changed to check on Event Status Values	Existing events type would replaced with new set of event types as specified in the "Values" column
26	UnavailabilitiesOfElectricity Facilities Class	EventStart	Event Start Date and Time	UTC date time	Yes	YYYY-MM- DDTHH:MM:SSZ	No change in existing	1) No change to this field.

						e.g. 2014-03-16T14:32:45Z	validation	
27	UnavailabilitiesOfElectricityFacilitiesClass	EventEnd	Event End Date and Time	UTC date time	Yes	YYYY-MM-DDTHH:MM:SSZ e.g. 2014-03-16T14:32:45Z	No change in existing validation	1) No change to this field.
28	OutageProfile Class	OutageProfileSegment.Start	Outage Profile start date time	UTC date time	No	YYYY-MM-DDTHH:MM:SSZ e.g. 2014-03-16T14:32:45Z	Regex pattern validation to be applied	1) New Field 2) XSD supports upto 200 outage profile segments
29	OutageProfile Class	OutageProfileSegment.End	Outage Profile end date time	UTC date time	No	YYYY-MM-DDTHH:MM:SSZ e.g. 2014-03-16T14:32:45Z	Regex pattern validation to be applied	1) New Field 2) XSD supports upto 200 outage profile segments
30	OutageProfile Class	OutageProfileSegment.Capacity	Outage Profile capacity value	13,3	No	<Capacity>	Valid decimal of specified length	1) New Field 2) XSD supports upto 200 outage profile segments
31	UnavailabilitiesOfElectricityFacilitiesClass	DurationUncertainty	Duration uncertainty	Upto 50 characters	No	<Duration uncertainty>	No change in existing validation	1) No change to this field.

								2) Description of estimated uncertainty of event duration, e.g. +/- 1 day
32	UnavailabilitiesOfElectricityFacilitiesClass	Cause	Event cause	Upto 500 characters	Yes	<Cause>	Validation will be updated to check for enhanced length from 50 to 500	
33	UnavailabilitiesOfElectricityFacilitiesClass	RelatedInformation	Other related information	Upto 500 characters	No	<RelatedInformation	Validation will be updated to check for enhanced length from 400 to 500	

7.4.2 BRD UC2: Other Market Information

Ref	Class	Title	Definition	Format	Mandatory	Values	Validation	Notes
1	Message Class	Version	Version of the XSD.	Refer Notes Column	Yes	2	Validation will be changed to check for 2.0 in place of version 1.0	Value preset to "2.0"
2	Message Class	mRID	Unique identification of the message	34, [A-Z0-9-]{16}-(ELXP NGET)-RMT-[0-9]{8}	Yes	<mRID>	Field length changed from 35 characters to 34 characters. Validation will be updated to validate for new length and against new pattern [A-Z0-9-]{16}-(ELXP NGET)-RMT-[0-9]{8}	Pattern would be <MP EIC Code>-NGET-RMT-<Sequence number>

3	Message Class	revisionNumber	Unique identification of the message revision	Positive Integer, upto 3 digits	Yes		Validate that number is either equal to 1 or 999 or between them	
4	Message Class	DocumentType	Unique identification of the document being exchanged within a business process flow	Refer Values Column	Yes	REMIT_document	No change in existing validation	
5	Message Class	Sender_MarketParticipantID	Unique identifier for the Market Participant sending the document	16 [A-Z0-9-]{16}	Yes	<Sender Market Participant Identifier>	No change in existing validation	No change to this field. This will use the EIC form of participant ID
6	Message Class	Sender_MarketParticipantRole	Code identifying the role of the sender of the document	3, Refer values column	Yes	A01 to A39	No change in existing validation	No change to this field.
7	Message Class	Receiver_MarketParticipantID	Unique identifier for the Market Participant receiving the document, in EIC form	16 [A-Z0-9-]{16}	Yes	<Receiver Market Participant Identifier>	No change in existing validation	No change to this field. This will be the ELEXON EIC Code
8	Message Class	Receiver_MarketParticipantRole	Code identifying the role of the receiver of the document.	3, Refer values column	Yes	A01 to A39	No change in existing validation	No change to this field. This will be the ELEXON EIC role code
9	Message Class	CreatedDateTime	Document create date time	UTC date time	Yes	YYYY-MM-DDTHH:MM:SSZ 2013-12-18T12:15:21Z	No change in existing validation	No change to this field.

10	UnavailabilitiesOfElectricityFacilities class	MessageHeading	Description of message.	Up to150 characters	Yes	<Message Heading>	No change in existing validation	1) No change to this field. 2) Free text field
11	UnavailabilitiesOfElectricityFacilities Class	Participant_MarketParticipantID	Unique identification of the Market Participant associated with the event being reported upon	Up to 8 characters	Yes	<Market Participant Identifier>	No change in existing validation	1) No change to this field. 2) Either a registered BSC participant ID or a non-BSC participant ID registered with ELEXON
12	UnavailabilitiesOfElectricityFacilities Class	Participant_ACERRegistrationCode	Unique registration code for the participant.	Refer Notes Column	Yes		12 - [A-Za-z0-9_]+\.[A-Z][A-Z] 20 - [A-Za-z0-9_]+ 11 - [A-Za-z0-9_]+ 16 - [0-9][0-9][XYZTWV].+ 13 - [A-Za-z0-9_-]+	New Field. The field can be of five different lengths and for each there is a different pattern to be matched
13	UnavailabilitiesOfElectricityFacilities Class	AssetId	Unique identification of an asset	Up to 18 characters	Yes	<Asset Identifier>	No change in existing validation	1) No change to this field. 2) Asset Identifier
14	UnavailabilitiesOfElectricityFacilities Class	AssetType	Type of asset being reported upon	Refer Value Column	No	Production Consumption Transmission Distribution	No change in existing validation	1) No change to this field.

15	UnavailabilitiesOfElectricity Facilities Class	AffectedArea	BMRS Zone affected by the event	Refer to Values column	No	N, B1, B2, B3, B4, B5, B6, B7, B8, B9, B10, B11, B12, B13, B14, B15, B16, B17	No change in existing validation	1) No change to this field.
16	UnavailabilitiesOfElectricity Facilities Class	EventStatus	Status of the event	Refer Value Column	Yes	Active, Dismissed, Inactive	Validation will be changed to check on Event Status Values	Existing events type would be replaced with new set of event types as specified in the "Values" column
17	UnavailabilitiesOfElectricity Facilities Class	EventStart	Event Start Date and Time	UTC date time	Yes	YYYY-MM-DDTHH:MM:SSZ e.g. 2014-03-16T14:32:45Z	No change in existing validation	1) No change to this field.
18	UnavailabilitiesOfElectricity Facilities Class	EventEnd	Event End Date and Time	UTC date time	No	YYYY-MM-DDTHH:MM:SSZ e.g. 2014-03-16T14:32:45Z	No change in existing validation	1) No change to this field.
19	OutageProfile Class	OutageProfileSegment.Start	Outage Profile start date time	UTC date time	No	YYYY-MM-DDTHH:MM:SSZ e.g. 2014-03-16T14:32:45Z	Regex pattern validation to be applied	1) New Field 2) XSD supports upto 200 outage profile segments
20	OutageProfile Class	OutageProfileSegment.End	Outage Profile end date time	UTC date time	No	YYYY-MM-DDTHH:MM:SSZ e.g. 2014-03-16T14:32:45Z	Regex pattern validation to be applied	1) New Field 2) XSD supports upto 200 outage profile segments
21	OutageProfile Class	OutageProfileSegment.Capacity	Outage Profile	13,3	No	<Capacity>	Valid decimal of	1) New Field

			capacity value				specified length	2) XSD supports upto 200 outage profile segments
22	UnavailabilitiesOfElectricity Facilities Class	DurationUncertainty	Duration uncertainty	Upto 50 characters	No	<Duration uncertainty>	No change in existing validation	1) No change to this field. 2) Description of estimated uncertainty of event duration, e.g. +/- 1 day
23	UnavailabilitiesOfElectricity Facilities Class	Cause	Event cause	Upto 500 characters	Yes	<Cause>	Validation will be updated to check for enhanced length from 50 to 500	
24	UnavailabilitiesOfElectricity Facilities Class	RelatedInformation	Other related information	Upto 500 characters	No	<RelatedInformation	Validation will be updated to check for enhanced length from 400 to 500	

Note: There is no change in the acknowledgement process as part of ACER REMIT changes for revised XSD (P329)

7.5 Acknowledgement

7.5.1 Acknowledgement of XML Report

Ref	Class	Title	Definition	Format	Mandatory	Value	Comments
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1	Acknowledge Document Class	DOCUMENT IDENTIFICATION	<p>Unique identification of the acknowledgement of a document that has been received.</p> <p>An acknowledgement document is sent in reply to the receipt of a document. This identification is assigned by the party who is acknowledging the application reception of a document.</p> <p>An acknowledgement is sent for the receipt of every document in the information flow as requiring an acknowledgement.</p>	35 Alphanumeric Characters	Yes	ELX-NGC-ACK- <Sequence number>	This could be any unique value.
2	Acknowledge Document Class	DOCUMENT DATE AND TIME	<p>Date and time of transmission of the acknowledgement.</p> <p>The date and time that the document was prepared for transmission by the sender.</p>	The date and time must be expressed in UTC as YYYY-MM-DDTHH:MM:SSZ.	Yes	e.g. 2014-05-10T11:05:45Z.	
3	Acknowledge Document Class	SENDER IDENTIFICATION	<p>Identification of the party that is the originator of the acknowledgement.</p> <p>The originator of the acknowledgement is identified by a unique coded identification. This value should be the same as that found in the receiver identification of the document being acknowledged.</p> <p>The codification scheme used for the coded identification is indicated by the coding scheme attribute. It is a 3 character alphanumeric code.</p>	16 alphanumeric characters. Scheme code is 3 alphanumeric characters.	Yes	10X1001A1001A515	<p>This will be National Grid EIC Code.</p> <p>Coding Scheme should be "A01"</p>
4	Acknowledge Document Class	SENDER ROLE	<p>Identification of the role played by the originator of the document.</p> <p>The sender role, which identifies the role of the originator within the document.</p>	3 alphanumeric characters.	Yes	A04	A04 = System Operator or TSO(Transmission System Operator)

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5	Acknowledge Document Class	RECEIVER IDENTIFICATION	Identification of the party who is the recipient of the acknowledgement. The recipient of the document is identified by a unique coded identification. This should be the same value as the sender of the schedule document.	16 alphanumeric characters. Scheme code is 3 alphanumeric characters.	Yes	<MP EIC Code>	This should be 16 characters Market Participant EIC Code.
6	Acknowledge Document Class	RECEIVER ROLE	Identification of the role played by the receiver. The receiver role, which identifies the role of the receiver within the document.	3 alphanumeric characters.	Yes	A39	A39 = Data Provider If a document cannot be successfully parsed on entry then the role of the sender may be unknown (e.g. document incorrect vis a vis the schema, or document file cannot be processed.)
7	Acknowledge Document Class	RECEIVING DOCUMENT IDENTIFICATION	Unique identification of the document that has been received. This information identifies the document that has been received by the receiving party. The identification is extracted from the received document.	35 alphanumeric characters.	Dependent	<MP EIC Code>-NGET- <file type>-<Sequence Number> e.g. <MP EIC Code>-NGET- AAPU- 00000001	If the document cannot be successfully processed this information may not be available
8	Acknowledge Document Class	RECEIVING DOCUMENTVERSION	Version of the document received. The version of the document that has been received.	3 alphanumeric characters	Dependent	<Revision Number> Example : 1	The document version must be provided for all documents being acknowledged that have a document version attribute.

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9	Acknowledge Document Class	RECEIVING DOCUMENT TYPE	Type of the document received. The document type is used to identify the type of document being acknowledged.	3 alphanumeric characters	Dependent	Example : A77	A77=Production Unavailability. The document type is mandatory in contexts where there is potential ambiguity about the document being acknowledged.
10	Acknowledge Document Class	RECEIVINGPAYLOADNAME	The name of the file or the payload identification that contains the document that cannot be processed. A document can be received via an FTP server, or a Mime payload. Whenever it cannot be processed, this field is used by the technical acknowledgement to identify the container of the document for facilitate the sender in identifying it.	150 alphanumeric characters	Dependent		This information is only provided in the case where an electronic document cannot be processed due to a content error by the receiving system.
11	Acknowledge Document Class	DATE TIME RECEIVING DOCUMENT	Date and time of reception of the electronic document The date and time that the document was received by the receiving system.	The date and time must be expressed in UTC as YYYY-MM-DDTHH:MM:SSZ.	Dependent	e.g. 2014-05-10T11:05:45Z.	This information is provided only if it has been agreed between the two parties.

12	Reason Class	ReasonCode	A code providing the acknowledgement status.	3 alphanumeric characters	This information is mandatory after the Acknowledgement level and TimeIntervalError level. It is dependent at TimeSeriesRejection level.	<p>At the document level : A01: Message fully accepted A02: Message fully rejected A03: Message contains errors at the time series level A04: Schedule time interval incorrect A51: Message identification or version conflict A52: Time series missing from new version of message A53: Receiving party incorrect A59: Not compliant with local market rules A94. Document cannot be processed by receiving system</p> <p>At the time series level A20: Time series fully rejected A21: Time series accepted with specific time interval errors A41: Resolution inconsistency A50: Senders time series version conflict A55: Time series identification conflict A56: Corresponding time series not netted A57: Deadline limit exceeded A59: Not compliant with local market rules</p>	The reason code provides the status of the acknowledgement. If the receiving document is fully accepted then there is simply a reason code (A01) at the header part of the acknowledgement. For errors as many reason elements as necessary may be used.
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13	Reason Class	Reason Text	Textual description of a rejection.	512 alphanumeric characters	Dependent		Used only if the reason code is insufficient to identify an error.
14	TIME SERIES REJECTION CLASS	SENDERS TIME SERIES IDENTIFICATION	Sender's identification of the time series instance that was received. The identification code provided in the schedule document to identify a time series.	35 alphanumeric characters	Dependent		Used only to identify specific time series that is subject to rejection. If the schedule document is completely accepted this information is not transmitted.
15	TIME SERIES REJECTION CLASS	SENDERS TIME SERIES VERSION	The time series version assigned by the schedule document sender to a specific sender's time series identification.	3 alphanumeric characters	Dependent		Used only to identify specific time series that is subject to rejection. If the schedule document is completely accepted this information is not transmit.
16	TIME INTERVAL ERROR CLASS	QUANTITY TIME INTERVAL	The start and end date and time of the time period in error.	YYYY-MM-DDTHH:MMZ/ YYYY-MM-DDTHH:MMZ.	Dependent		Used only if a specific time interval is to be identified.

8 Summary

The below attached XSD would be used as contract schema for the articles mentioned in the table.

BRD ID	Article No	Description	Contract Schema(XSD)	Frequency	Document Type	Business Type	Time Format	mRID Format	File Format
B0710	A7.1a	Planned unavailability of consumption units	iec62325-451-6-outage.xsd	Ad-hoc	A76 = Load unavailability	A53 = Planned maintenance A54 = Forced unavailability	UTC : YYYY-MM-DDTHH:MM:SSZ	<MP EIC Code>-NGET-PUCU- <Sequence Number>	<MP EIC Code>-NGET-PUCU- <Sequence Number> <Revision Number>
B0720	A7.1b	Changes In Actual Availability of Consumption Units	iec62325-451-6-outage.xsd	Ad-hoc	A76 = Load unavailability	A53 = Planned maintenance A54 = Forced unavailability	UTC : YYYY-MM-DDTHH:MM:SSZ	<MP EIC Code>-NGET-AAACU- <Sequence Number>	<MP EIC Code>-NGET-AAACU- <Sequence Number> <Revision Number>
B1030	A10.1c	Changes In Actual Availability of Off-Shore Grid Infrastructure	iec62325-451-6-outage.xsd	Ad-hoc	A79 = Offshore grid infrastructure unavailability	A53 = Planned maintenance A54 = Forced unavailability	UTC : YYYY-MM-DDTHH:MM:SSZ	<MP EIC Code>-NGET-AAOAG- <Sequence Number>	<MP EIC Code>-NGET-AAOAG- <Sequence Number> <Revision Number>
B1510	A15.1a	Planned Unavailability of Generation Units	iec62325-451-6-outage.xsd	Ad-hoc	A80 = Generation unavailability	A53 = Planned maintenance A54 = Forced unavailability	UTC : YYYY-MM-DDTHH:MM:SSZ	<MP EIC Code>-NGET-PUGU- <Sequence Number>	<MP EIC Code>-NGET-PUGU- <Sequence Number> <Revision Number>
B1520	A15.1b	Changes In Actual Availability of Generation Units	iec62325-451-6-outage.xsd	Ad-hoc	A80 = Generation unavailability	A53 = Planned maintenance A54 = Forced unavailability	UTC : YYYY-MM-DDTHH:MM:SSZ	<MP EIC Code>-NGET-AAGU- <Sequence Number>	<MP EIC Code>-NGET-AAGU- <Sequence Number> <Revision Number>
B1530	A15.1c	Planned unavailability of production units	iec62325-451-6-outage.xsd	Ad-hoc	A77 = Production unavailability	A53 = Planned maintenance A54 = Forced unavailability	UTC : YYYY-MM-DDTHH:MM:SSZ	<MP EIC Code>-NGET-PUPU- <Sequence Number>	<MP EIC Code>-NGET-PUPU- <Sequence Number> <Revision Number>
B1540	A15.1d	Changes In Actual	iec62325-451-6-	Ad-hoc	A77 = Production	A53 = Planned	UTC :	<MP EIC Code>-	<MP EIC Code>-NGET-AAPU-

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		Availability of Production Units	outage.xsd		unavailability	maintenance A54 = Forced unavailability	YYYY-MM-DDTHH:MM:SSZ	NGET-AAPU- <Sequence Number>	<Sequence Number> <Revision Number>
B2010	NA	Information on Outages of Generation and Consumption Units	remit (07-aug-2014) for CR333.xsd	Ad-hoc	REMIT_document	NA	UTC : YYYY-MM-DDTHH:MM:SSZ	<MP EIC Code>- NGET-RMT- <Sequence number>	<MP EIC Code>-NGET-RMT- <Sequence number> <Revision number>
NA	NA	Acknowledgement	ACK-XSD.xsd	Ad-hoc	Any receiving document type is required.	NA	UTC : YYYY-MM-DDTHH:MM:SSZ	Unique identification	Must start with "ACK_"
UC1 & UC2	NA	Information on Unavailability of Electricity data and Other Market Information. Revised XSD for REMIT data to comply with ACER XSD structure and addition of few attributes	remit-p329-v1.2.xsd	Ad-hoc	REMIT_document	NA	UTC: YYYY-MM-DDTHH:MM:SSZ 2013-12-18T12:15:21Z	<MP EIC Code>- NGET-RMT- <Sequence number>	<MP EIC Code>-NGET-RMT- <Sequence number> <Revision number>

9 Contract Schema

The below attached XSD would be used as contract schema for the articles mentioned in the above summary table in section[8].

The REMIT XSD has been revised to cater to ACER (P329) requirements as specified in the requirement section 3.11. Revised XSD "**remit-p329-v1.1.zip**" has been attached below. Please note that there is no change in any other XSDs including acknowledgement XSDs due to REMIT enhancements.



Sample XSD Files.zip



remit-p329-v1.2.zip

10 Sample XML Reports

Below are the attached sample XML files created for the articles mentioned in Section [3]. The XML files are based on XSD file(iec62325-451-6-outage.xsd).

The REMIT XML structure has been revised to comply with ACER's XSD requirements as specified in the requirement section 3.11. The revised sample XMLs provided by ELEXON can be found in Below attached "**remit-p329-v1.0-Sample-Xmls.zip**" for ACER REMIT enhancements.



Sample XML Files.zip

11 Sample WSDL File

Below is the attached sample WSDL files which is based on XSD file(iec62325-451-6-outage.xsd).

As part of the ACER REMIT requirement, The SOAP WSDL would undergo a revision to comply with SOAP1.2. The SOAP1.2 WSDLs can be shared once development around SOAP service is complete.

FoF :



NGRIDParticipantsOutageResponse.wsdl



ParticipantsNGRIDOutageRequest.wsdl

Production:



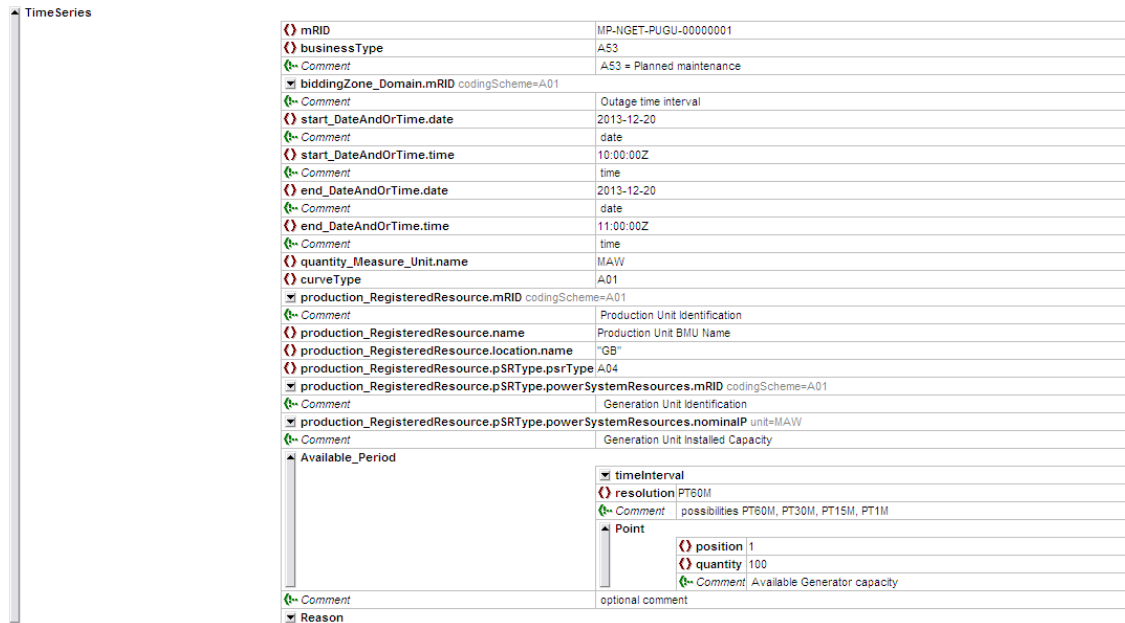
NGRIDParticipantsOutageResponse.wsdl



ParticipantsNGRIDOutageRequest.wsdl

12 XML Hierarchy Diagram

Below is the XML hierarchy diagram for article 15.1a to reflect the time interval, position and quantity associated with time series.



13 System Document Information

Author: Sandeep Pandit, IBM

Distribution:

See review form for recommendations.

Name	Position	Reason for Distribution
Jo Faulkner	Client Lead	Approval
Kam Siu	IS Project Manager	Approval
Harry Shah	Solution Architect	Approval
Daniel Arrowsmith	Business Analyst	Review
Melanie Jackson	DR&S Consultant	Review
	Architecture Governance Board	Review (Conformance)
	IS Enterprise Ops Prod/Apps Support	Review
	Service Delivery	Review
	SMI	Review
	Centre of Excellence (sa CoE, I SOA CoE (Integration Aspects only) & BI CoE)	Review
Matthew Ogbebor	IBM Solution Architect	Review
David A Preston	Client Lead	Review(v5.0)
Sanjeev Gopalakrishnan	IS Project Manager	Review(5.0)
Rituraj	Rituraj Saikia	Review(5.0)
Jagani, Muslim	NG Solution Architect	Approval (v5.0)

Document Amendment History:

Version	Date	Changed by	Remarks
0.1	28 March 2014	Sandeep Pandit	Initial Draft
0.2	31 March 2014	Sandeep Pandit	Included the review comments from IBM solution Architect (Atul Misra).
0.3	16 April 2014	Sandeep Pandit	Included the review comments from IBM and NG Architects.

0.4	16 April 2014	Sandeep Pandit	Included the review comments from IBM TARMAP Lead Solution Architect (Paul Richardson).
0.5	09 May 2014	Sandeep Pandit	Included review comments from NG Solution Architect , Business Analyst and Project Manager.
0.6	19 May 2014	Sandeep Pandit	Included review comments from NG Solution Architect , Business Analyst and Project Manager.
1.0	22 May 2014	Melanie Jackson	Issued for Approval
1.1	24 June 2014	Sandeep Pandit	Updates: Included review comments from Market Participants and Elexon.
1.2	18 July 2014	Melanie Jackson	Updated with additional clarifications from Market Participants' review – Updates made to section 3
2.0	20 July 2014	Melanie Jackson	Issued for Approval
2.1	22 Aug 2014	Melanie Jackson	Summary section updated with latest REMIT XSD. Section 8 and 9 updated with latest XSD and validated sample XML files.
2.2	28 Aug 2014	Melanie Jackson	Added the ACK.XSD in the Section 8 with other sample XSD files.
3.0	16 Sept 2014	Melanie Jackson	Issued for Approval
2.3	10 Feb 2015	Sandeep Pandit	Updated the document to fix the UAT defect (ETR.MODIS.146). REMIT file format updated to NGET-RMT. Section breaks and footers corrected. MODIS Reason Codes added
3.1	23 Feb 2015	Melanie Jackson	Issued for Approval
3.2	09 Mar 2015	Pete Talbot	WSDL URL links added
		Melanie Jackson	Issued for Approval
3.3	12 Mar 2015	Sandeep Pandit	Updated section 4.1.2 and 4.1.3 as recommended by Harry Shah.
3.4	07 May 2015	Sandeep Pandit	Updated the section 8 summary with Acknowledgement file details.
4.0	26 May 2015	Sandeep Pandit	Updated the footer along with Section 4 and Section 7 as per review log provided by NG.
5.0	20 Oct 2016	Prakash Thanvi	Updated to cater to ACER REMIT (P329 and P63) Requirements
5.1	30 Nov 2016	Vikranth Dharamshi	1) Updated maximum outage profile segments to 200 and attached final version of ACER REMIT XSD shared by ELEXON and conforming sample Xml's
5.2	08 Dec 2016	Vikranth Dharamshi	1) Updated with requirement about submitting REMIT revisions after ACER REMIT cut over. 2) Latest MRID pattern updated based on updated received from ELEXON on 08/Dec/2016
5.3	21 Dec 2016	Vikranth Dharamshi	Updated sample values for bidding zone field in REMIT report based on review comment from ELEXON.
5.4	20 Jan 2017	Vikranth Dharamshi	1) Modified REMIT mock screens pasted. 2) Validation details updated for outage event start and end dates.
5.5	31 Jan 2017	Vikranth Dharamshi	1) Updates done to remove bidding zone sample value under value column in section 7.4.1 table. 2) Updated mock screen images pasted into the document.
5.6	23 Feb 2017	Vikranth Dharamshi	1) Update document for cause field addition

			CR in OMI message type. Attached latest XSD. 2) Updated mock screens included in document for CR 2.1, 2.2, 2.3, 2.4, 2.6, 2.7
5.7	07 Mar 2017	Vikranth Dharamshi	Update document for duration uncertainty defect. REMIT mock screens updated. Duration uncertainty field details updated in section 7.4.1 and 7.4.2.
5.8	24 Mar 2017	Vikranth Dharamshi	Update verbiage on ACER REMIT screens as per inputs from Dave Preston.
5.9	31 Mar 2017	Vikranth Dharamshi	Updated document for ACR-C007 CR. REMIT screens only updated.
5.10	17 Apr 2017	Vikranth Dharamshi	Updated ACER REMIT screen screenshots, as per modified ACR-C007 screen messages.
5.11	9 May 2017	Vishal Nagpal	Updated ACER REMIT screen screenshots, as per modified ACR-C017 screen messages.
5.12	26 Oct 2017	Vishal Nagpal	Updated Section 4.1.2, replaced "TBA" to respective file naming convention / folder locations.

Document References

Sr No	Reference	Title
1	REF1	European Transparency Regulation BRD v2.0
2	REF2	ETR Requirements Feasibility and Analysis Report v2.2
3	REF3	EMFIP-2-outage-market-document-V3R0-2014-01-24
4	REF4	Acknowledgement-v6r0-2014-01-16[1]
5	REF 5	Manual of Procedures for the ENTSO-E Central Information Transparency Platform Version 2.1 May 2014
6	REF 6	MoP Ref13 - entso-e-code-list-v27r0 Available via Referenced Documents for MoP (V2.0)
7	REF 7	ACER -Technical Impact Assesement Draft v0.1.doc
8	REF 8	Issue 63.pdf and 11_250_08A_P329_DMR_PUBLIC.pdf

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