Participant Guide to Submitting TOD

Version 1.1

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1   WHAT IS TECHNICAL OFFER DATA?

Technical Offer Data (TOD) is data submitted by a Participant that describes the technical capabilities and limits of generators and demand side units.

During the registration process Participants are asked to submit their new TOD via the Market Participant Interface (MPI) which will be approved by the relevant System Operator (EirGrid or SONI) within 10 working days. When submitting TOD as part of the registration process Participants are asked to notify the Market Operator via email address balancingmarketregistration@sem-o.com.

If a Participant wishes to amend existing Validated Technical Offer Data (VTOD) they must amend the VTOD set via the Market Participant Interface (MPI). When amending and/or adding a VTOD set please notify the Market Operator in advance of the submission via email address TradingOperations@sem-o.com.
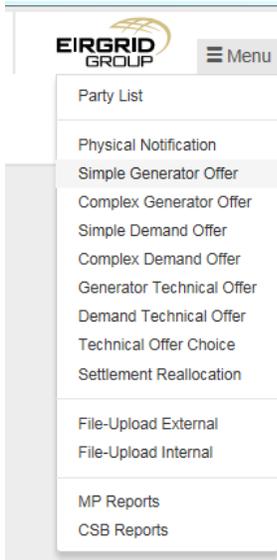
The System Operator will then have 10 working days to either approve or reject the amended VTOD set and advise the Market Participant as appropriate.

The VTOD amendment process is governed by the Trading and Settlement Code and Agreed Procedure 4 which details the specific procedures relating to 'Transaction Submission and Validation' processes to which Parties to the Trading and Settlement Code (TSC) must comply.

2   HOW DO I SUBMIT NEW GENERATOR TECHNICAL OFFER DATA?

Log into MPI Homepage (https://mms.sem-o.com/mpi), select the appropriate cert and follow the below steps:

- Select the **'Menu'** dropdown in right hand corner of the screen
- Select the **'Generator Technical Offer'** option

This will present the **'Generator Technical Offer Data'** screen below:

Enter the following details:

Submit Date: Trading Day
Participant Name: Enter PT_ID
Resource Name: Enter the Generator Unit ID (GU_ID)
Set Number: Select the set number you want to submit
Status: NON_APPROVED
External Identifier: (optional)

If Block Loading is applicable for the GU_ID, check the 'Block Loading Flag' check Box to enable the 'Hot, Warm & Cold' fields.

For each section that has an add button you must add the maximum number of fields and enter data in each field. Click the Add button until all the maximum additional fields are added. See below example:

Please see next page for full screen with maximum no. of boxes added.

The table should show as below (with maximum no. of boxes added):

Block Loading Details

Flag	Hot *	Warm *	Cold *
☑			

Cooling Boundary Details

Hot	Warm	Cold

Start Up Details

Hot	Warm	Cold

De Loading Details

#	Rate	Quantity	
1			🗷
2			🗷

Dwell Down Times

#	Time	Quantity	
1			🗷
2			🗷
3			🗷

Dwell Up Times

#	Time	Quantity	
1			🗷
2			🗷
3			🗷

Load Up Hot Times

#	Rate	Quantity	
1			🗷
2			🗷
3			🗷

Load Up Warm Times

#	Rate	Quantity	
1			🗷
2			🗷
3			🗷

Load Up Cold Times

#	Rate	Quantity	
1			🗷
2			🗷
3			🗷

Max Ramp Rate Details

Up

Down

Ramp Rate Up Details

#	Rate	Quantity	
1			🗷
2			🗷
3			🗷
4			🗷
5			🗷

Ramp Rate Down Details

#	Rate	Quantity	
1			🗷
2			🗷
3			🗷
4			🗷
5			🗷

Soak Hot Details

#	Time	Quantity	
1			🗷
2			🗷

Soak Warm Details

#	Time	Quantity	
1			🗷
2			🗷

Soak Cold Details

#	Time	Quantity	
1			🗷
2			🗷

On Off Times

Minimum On Time	Minimum Off Time	Maximum On Time

Restricted Regions Details

#	Start	End	
1			🗷
2			🗷

When all fields have been updated the VTOD can be submitted.

This requires your certificate and password.

Please choose a certificate and its password to submit! To choose a certificate click the settings button at bottom right corner.

Select '**Settings**' on the bottom right of the screen.

Browse to a saved copy of your digital certificate, enter the appropriate password and click '**Close**.'

If you have selected a valid cert and correct password, the **'Submit'** button under the VTOD set will now be enabled and you can submit your VTOD set.

This will populate a confirmation message which can be seen below:

#	Type	Message
1	information	Successfully processed the Generator Technical Offer.

3   HOW DO I SUBMIT NEW DEMAND TECHNICAL OFFER DATA?

Log into MPI Homepage (https://mms.sem-o.com/mpi), select the appropriate cert and follow the below steps:

- Select the **'Menu'** dropdown in right hand corner of the screen
- Select the **'Demand Technical Offer'** option
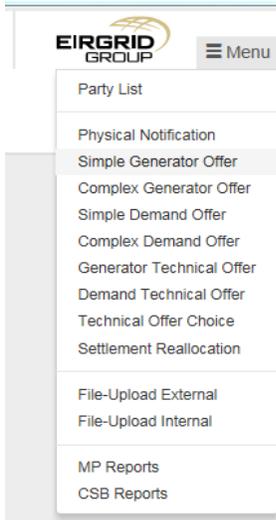
This will present the **'Demand Technical Offer Data'** screen below:
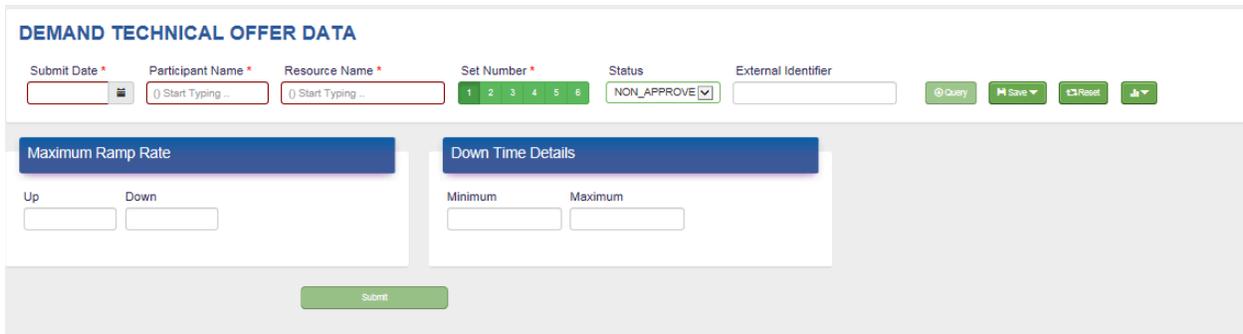
Enter the following:

Submit Date: Trading Day
Participant Name: Enter PT ID
Resource Name: Enter the DSU Unit ID (DSU_ID)
Set Number: Select the set that you wanting to submit
Status: NON_APPROVED
External Identifier: (optional)

The below sections must be completed in full:

When all the fields have been updated the VTOD can be submitted.

This requires your certificate and password.

Please choose a certificate and its password to submit! To choose a certificate click the settings button at bottom right corner.

Select '**Settings'** on the bottom right of the screen.

Browse to a saved copy of your digital certificate, enter the appropriate password and click **'Close**.'

If you have selected a valid cert and correct password, the **'Submit'** button under the VTOD set will now be enabled and you can submit your VTOD set.

This will populate a confirmation message which can be seen below:

#	Type	Message
1	information	Successfully processed the Generator Technical Offer.

4   HOW DO I AMEND EXISTING TECHNICAL OFFER DATA?

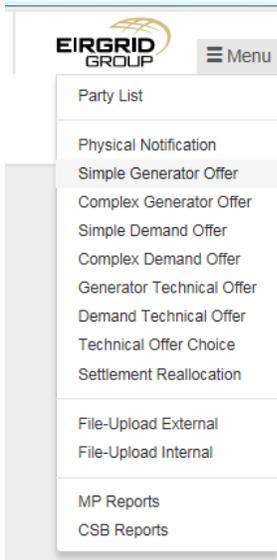Log into MPI Homepage (https://mms.sem-o.com/mpi), select the appropriate cert and follow the below steps:

- Select the **'Menu'** dropdown in right hand corner of the screen
- Select the **'Demand or Generator Technical Offer'** option

This will present the **'Demand or Generator Technical Offer Data'** screens (screenshots provided previously).

Enter the following:

Submit Date: Trading Day
Participant Name: Enter PT ID
Resource Name: Enter the DSU Unit ID (DSU_ID) or GU Unit ID (GU_ID)
Set Number: Select the set that you want to update
Status: APPROVED
External Identifier: (optional)
Click Query

This should successfully retrieve the VTOD set for the GU_ID or DSU_ID in question:

You can then proceed to amend the relevant VTOD values that require update, and when set is ready, click **Submit** (which is enabled by selecting your digital certificate and password under Settings).
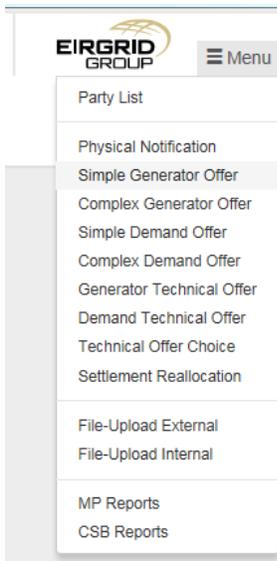
This will populate a confirmation message which can be seen below:

5   HOW DO I SELECT APPROVED GENERATOR AND DEMAND SIDE UNIT TECHNICAL OFFER DATA SETS?

Log into MPI Homepage (https://mms.sem-o.com/mpi), select appropriate cert and follow below steps:

- Select the **'Menu'** dropdown in right hand corner of the screen
- Select the **'Technical Offer Choice'** option

This will present the **'Technical Offer Choice'** screen below:

Select '**Trade Date**', '**Participant Name**', '**Resource Name**' and click '**Query**'

The screen will populate with the Validation Technical Offer Data Set Number selected for that Trade Date. If no selection has been made for the Trade Date, the Default Validation Technical Offer Data Set will automatically be populated.

Select the **Plus** button

Enter '**Resource Name**' and select the '**Set Number**' you wish to select for the Trade Date prior to Gate Closure 1 (13:30)

Select '**Submit**'

6   TECHNICAL OFFER DATA PARAMETERS

For further information relating to the Technical Offer Data Parameters please see the below links to the latest versions of the I-SEM Technical Specification, the Grid Code and the Trading and Settlement Code Part B:

- I-SEM Technical Specification (Name > I-SEM Technical Specification)
- The Northern Ireland Grid Code
- The Ireland Grid Code
- Trading and Settlement Code