Biple

User Manual

Version 1.8 27 11 2025

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1 Introduction

The Bidding Platform for Energy (Biple) manages the submission, processing and validation of Energy Bids, Prequalification Bids and Backup Delivery Points[1].

Submitting information to Biple can be done via the External Communication Layer based structured asynchronous AMQP messaging or by using the web client application for which the functionalities are described in this document.

The Biple web client provides

- Functionality to submit FCR, aFRR, mFRR and Redispatching Energy Bids, Prequalification Bids and Backup Delivery Points based on predefined screens or .xlsx templates
- Screens to verify the results of the submitted information and to view the details of valid Bid Groups & Backup Delivery Points
- Export imported data to JSON or .xlsx files

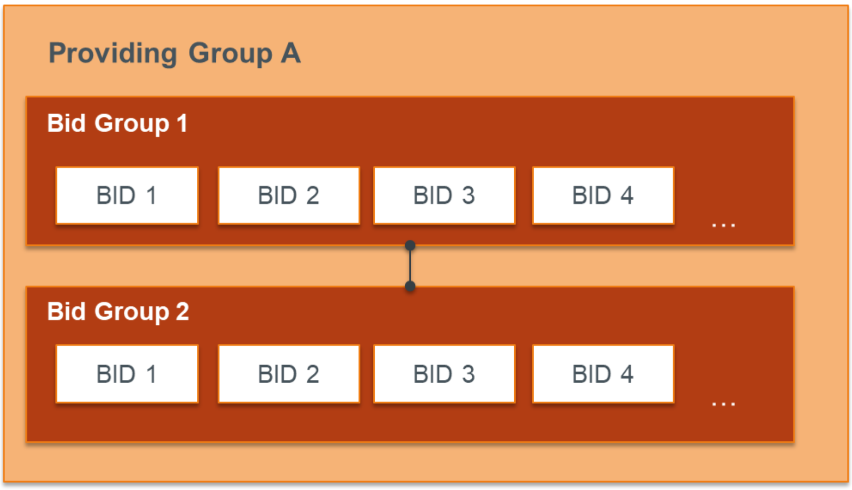
This user manual will follow the incremental releases of the web client application and will be accessible via the web client itself. The information within the guide will always be in line with the features released to the demo and production environments and will evolve through time.

[1] Backup Delivery Points are also known as Supporting Group

2 Bid structure

This specific section aims to give some clarifications on the structure of Energy Bids.

A general rule is that all Energy Bids for a certain **execution date** and a certain **Providing Group** must be sent in a single sheet versioned accordingly for each submission. An Energy Bid is defined for a particular quarter-hour and must be grouped into Bid Groups.



2.1 Bid groups

Energy Bids representing the same or partly the same offered volume over consecutive quarter-hours must be grouped into Bid Groups using a Bid Group Id. This grouping will technically link the Energy Bids together in order to avoid unfeasible activations.

The Bid Group must be used to link the upward and downward aFRR Energy Bid Volume of a Providing Group. In a Providing Group, if the BSP creates an upward and a downward Bid volume, they need to be part of the same Bid Group to avoid unfeasible activations of those two volumes.

2.2 Timeseries

Timeseries are used to split Bid Groups based on certain attributes (e.g. contracted/non-contracted). As long as the attributes on Timeseries level are applicable to the underlying QH Bids of a Bid Group, there is no need to split the Timeseries blocks.

When attributes on Timeseries level are different for certain periods during the execution date of a same Bid Group, the Timeseries block must be split into multiple blocks so that the necessary attributes can be applied to the respective periods of that day.

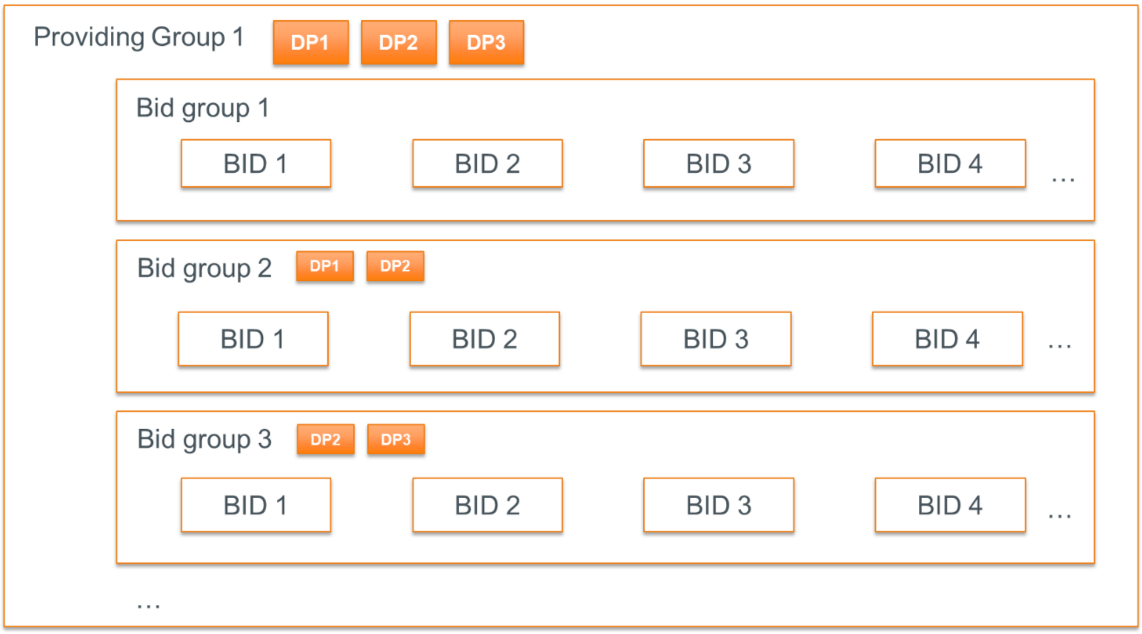
2.3 Delivery Points

A Providing Group comprises any set of Delivery Points that can be offered together in an Energy Bid. The Bid structure allows to define the Delivery Points (DPs) to which the Bids relate to at three levels. All Bids inherit the Delivery Points identified in the Providing Group unless a deeper level is used to identify Delivery Points. The same goes for Bid Group and Bid level where, if Delivery Points are identified in the latter, Delivery Points defined at Bid level will be used.

1. Providing Group level: all Delivery Points used for Bids within the message must always be defined at Providing Group level.

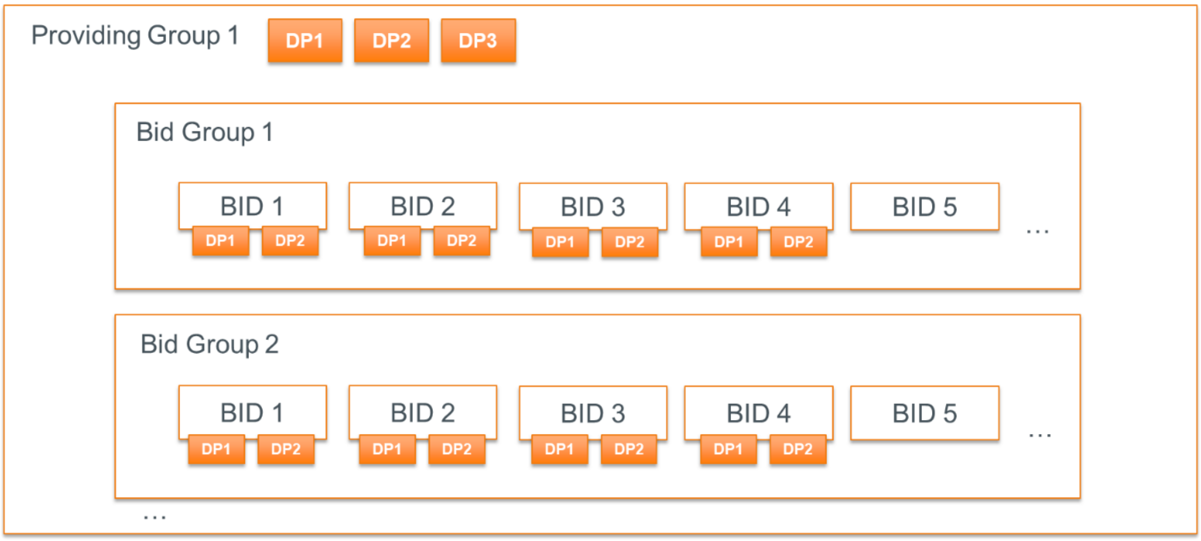
➔ Bids of Bid Group 1 & 2 are based on Providing Group DPs

2. Bid Group level: when Delivery Points are identified on Bid Group level, they only relate to the Bids defined within this Bid Group. This level is useful to Bid on different operating modes for example.



➔ Bids of Bid Group 1 are based on Providing Group DPs
➔ Bids of Bid Group 2 & 3 are based on their respective DPs

3. Bid level: when the Delivery Points are identified on Bid level, they apply to a specific Bid. This level can be used to change the composition of the Delivery Points for (a/some) specific quarter hour(s) of a Timeseries block without having to split it.



- ➔ Bid 1 to Bid 4 relate to DPs specified on those Bids
- ➔ Bid 5 onwards relate to Providing Group DPs

3 Submission of information

Interaction with Biple can be done in the following ways:

- via the External Communication Layer based structured asynchronous AMQP messaging
- via the web client application using .xlsx files.
- via the user interface to create and update Prequalification Bids

For all information related to the External Communication Layer, please refer to the Technical Guide.

The functionality provided to submit information via the web client is described below.

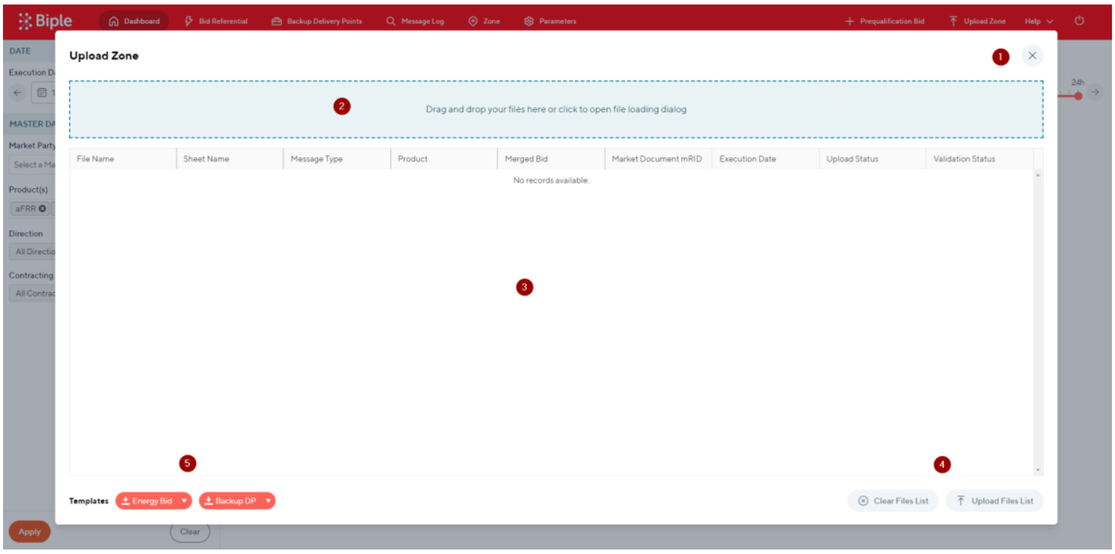
3.1 Upload zone

The upload zone can be opened via the action in the upper menu.

This action will open the upload zone. The upload zone allows end-users to upload files containing Energy Bids or Backup DPs to Biple.

The upload process exists out of two basic steps. First, the files are uploaded, parsed and provided to Biple. In a second step, the content of the messages contained in each file is validated. The result of the validation per message is provided in the upload zone grid. The details of the validations can be consulted in the message log as explained below. If the validation status is different from 'Accepted', the user should go to the message log to see the detailed reason.

The upload zone exists out of a number of elements. These elements are explained below.



1. **Close**

The upload zone opens as an overlay on the screen. The upload zone can be closed by clicking the cross in the upper right corner or by clicking outside of the overlay.

2. **Drag and drop zone or file explorer**

There are two ways to upload files:

- Using drag and drop: Files can be dragged and dropped in the 'drag and drop area' which is indicated in light blue. After dragging and dropping files, the files will appear in the upload zone grid, which means they are ready to be uploaded.
- Using the file explorer: By clicking in the 'drag and drop area' a file explorer dialog will open. In this dialog the end user can select the files that need to be uploaded to Biple. After selecting the files, the files will appear in the upload zone grid, which means they are ready to be uploaded.

Remark: It is possible to drag and drop multiple files at once or to select multiple files at the same time when using the file explorer.

3. Upload zone grid

The upload zone grid provides the end user with information on the files which are ready to be uploaded or the files which are uploaded. This grid contains the following elements:

- File Name: Contains the file name of the file
- Sheet Name: Contains the name of the worksheet
- Message Type: Indicates the type of message. Possible values are:
    - Energy Bids
    - Backup DPs
- Product: Indicates the product. Possible values are:
    - FCR
    - aFRR
    - mFRR
    - Redispatching
- Merged Bid: Indicates if bid originates from a Merged Energy Bid
- Market Document mRID: Indicates the Market Document mRID of the message
- Execution Date: Indicates the execution date for the Energy Bids or Backup DPs
- Upload Status: Indicates if the file was successfully uploaded to Biple or not. A successful upload of a file does not necessarily mean the acceptance of the message included in the file. For the acceptance or rejection, please see the 'Validation Status' column. In case the file was not successfully uploaded to Biple, the field also indicates for what reason the upload of the file failed.
- Validation Status: Indicates if the message was accepted (and thus passed all of the validation rules) or if the message was rejected.

Remark: If multiple messages are uploaded via one or more files, then a line for every message will be generated after uploading the files to Biple.

Remark: Biple does not store a history of files that are uploaded. When closing and re-opening the upload zone, the grid is cleared and will be empty.

4. Upload files or clear list buttons

After dragging and dropping one or multiple files or selecting files via the file explorer, the end-user is able to trigger the upload process by clicking the 'Upload Files List' button.

In case files are added in error, the list can be cleared by clicking the 'Clear Files List' button.

5. Templates

When uploading files containing Energy Bids or Backup DPs the .xlsx files have to respect a certain format. In order to facilitate the upload process, templates are available for download from Biple via the bottom left buttons on the upload zone. Via the dropdown it is possible to download the adjusted templates for the daylight saving time days. These templates contain the format, which must be respected.

3.2 Templates

As indicated above, there are a number of things that must be respected when uploading files to Biple:

- First of all, the file extension must be .xlsx. Biple does not accept files with another extension.
- Secondly, the worksheet(s) in the workbook must respect a predefined structure. This structure is explained in the paragraphs below and is provided in the templates which can be downloaded in the upload zone.

Remark: The templates also contain a number of formulas, conditional formatting, data validations (using available MS Excel functionality). These formulas, conditional formatting and validations aim to enhance the usability and to reduce probability on errors when filling in the templates. However, it is not the goal to impose any hard restrictions on the end user when using the templates. This means that the end user is allowed to change elements in the provided templates.

3.2.1 Energy Bids

The Energy Bid template exists out of an 'Energy Bid' worksheet and two auxiliary worksheets: A 'Front' worksheet to collect information which is shared by multiple Energy Bids and a 'DP List' worksheet which can be used to store a list of Delivery Points.

3.2.1.1 Front worksheet

It is possible to add multiple Energy Bid messages in the same .xlsx file by using multiple worksheets (multiple tabs) as long as the product in all worksheets is the same. The 'Front' worksheet is provided to facilitate this. In the 'Front' worksheet, it is possible to fill in certain information only once. Via formulas this information will copied to each individual 'Energy Bid' worksheet.

	A	B
1	General Information Market Document	
2	Product	
3	Revision Number	
4	Company EIC code	
5	Contract reference	
6	Delivery Period	

3.2.1.2 DP List worksheet

The 'DP List' worksheet can be used to hold a list of Delivery Point EANs and the 'friendly' name of the Delivery Point. The data from this list is used by the formulas in the template to populate the Delivery Points in the Providing Group on the 'Energy Bid' worksheets. The Delivery Points information can be found in your contractual annex.

	A	B
1	Name of Delivery Point	EAN
2		
3		
4		
5		

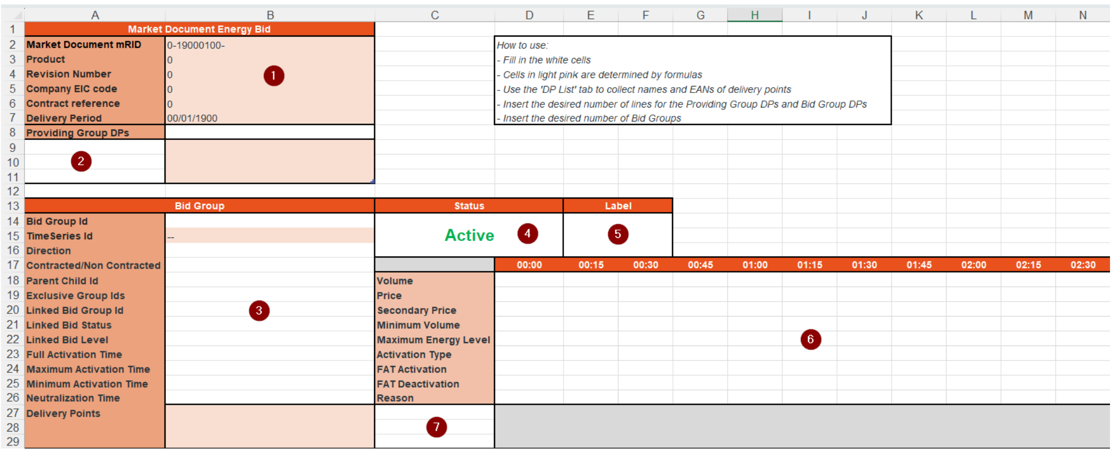
When adding extra lines make sure that the lines are added to the table (see blue corner in the bottom right. Extra lines can be added by right clicking on a line (e.g. line 3, 4 or 5) and choosing 'Insert'. The formulas will only use data, which is entered in the table. Data, which is added just below the table, will not be visible for the formulas in the 'Energy Bid' worksheets.

<u>Remark:</u> The 'friendly' name of the Delivery Point is not validated by Biple.

3.2.1.3 Energy Bid worksheet

The 'Energy Bid' worksheet is the main worksheet. This worksheet is used to provide all information related to Energy Bids. Every 'Energy Bid' worksheet is interpreted by Biple as one Energy Bid message. The cells in the worksheet are color-coded to indicate what is expected from the end user.

- The end user is expected to fill in the cells with a white background.
- All cells with a label and an orange background must remain unchanged. These fields are used by Biple to read the data from the .xlsx file.
- All empty cells with a light orange background contains formulas. These will be automatically filled in based on information entered in the cells with a white background. The cells with a grey background contain conditional formatting. These will either become white or remain grey based on the information entered. E.g. If certain information is not required for a certain product, the cell will become grey if this product is chosen.



1. **Market Document Energy Bid**

The Market Document Energy Bid section of the worksheet contains header information for the Energy Bid message. This section of the template is used to provide information on:

- The mRID of the Market Document (B2)
- The Product (B3)
- The Revision Number (B4)
- The company EIC code of the company submitting the Energy Bids (B5)
- The contract reference of the company submitting the Energy Bids (B6)
- The Delivery Period (= Execution Date) in DD/MM/YYYY format (B7)
- The Providing Group name (B8)

It is possible to add multiple Energy Bid messages in the same .xlsx file by using multiple worksheets (multiple tabs) as long as the product in all worksheets is the same. The 'Front' worksheet can be used to facilitate this.

To add additional 'Energy Bid' worksheets, please right click on an existing 'Energy Bid' worksheet, select 'Move or Copy', select the checkbox 'Create a copy', choose a place where to add the new worksheet and click 'OK'. The mRID on each 'Energy Bid' worksheet must adapted accordingly.

To remove an 'Energy Bid' worksheet, please right click on the worksheet and select 'Delete'.

2. Providing Group DPs

In the Providing Group DP section the Delivery Points for the Providing Group of the message can be entered. The user can select the Delivery Points from dropdown in the cells in the A column (A9-A11 in the screenshot above). This dropdown is filled with data from the 'DP List' worksheet.

To add extra lines for additional Delivery Points for the Providing Group, please right click on the last line (row 11 in the screenshot above) and choose 'Insert'. This will ensure that the formulas are available in the new lines.

To remove lines in order to have less Delivery Points for the Providing Group, please right click on the second to last line (row 10 in the screenshot above) and choose 'Delete'.

3. Bid Group - Timeseries

The Bid Group section of the worksheet contains Bid Group information for the Energy Bid message. This section of the template is used to provide information on:

- Bid Group Id (B14). The Bid Group Id, together with the direction and the quarter-hour, is used to identify the Energy Bids for subsequent processes.
- TimeSeries Id (B15). A formula is included in the worksheet to propose an Id.
- Direction (B16). Can be UP or DOWN.
- Contracted/Non Contracted (B17). Can be C or NC – *Only used for mFRR and aFRR*
- Parent Child Id (B18) – *Only used for mFRR and Redispatching*
    - An mFRR and Redispatching bid can only be part of one Parent Child Group and can thus only contain one Parent Child Id. This can be done by entering the Parent Child Id (Id freely chosen) in the cell. For example: "ParentChild".
- Exclusive Group Ids (B19) – *Only used for mFRR and Redispatching*
    - A Redispatching bid can be a part of multiple Exclusive Groups. This means that multiple Exclusive Group Ids can be provided for a bid. This can be done by entering the Exclusive Group Ids (Ids can be freely chosen) in the cell, separating them with a semicolon (;). For example: "ExclGroup1;ExclGroup2".
    - An mFRR bid can only be part of one Exclusive Group and can thus only contain one Exclusive Group Id.
- Linked Bid Group Id (B20) – *Only used for mFRR and Redispatching*
    - It is possible to use multiple Linked Bid Group Ids. This can be done by entering the Linked Bid Group Ids in the cell, separating them with a semicolon (;). For example: "Bid_Group1;Bid_Group2". These Ids should refer to the Bid Group Id of other Bid Groups.
- Linked Bid Status (B21) – *Only used for mFRR and Redispatching*
    - When multiple Linked Bid Group Ids are used, then an equal number of Linked Bid Statuses must be provided. This can be done by entering the statuses in the cell, separating them with a semicolon (;). For example: "A55;A67".
- Linked Bid Level (B22) – *Only used for mFRR and Redispatching*
    - When multiple Linked Bid Group Ids are used, then an equal number of Linked Bid Levels must be provided. This can be done by entering the levels in the cell, separating them with a semicolon (;). For example: "1;2".
- Full Activation Time (B23) – *Only used for Redispatching*
    - In minutes

- Maximum Activation Time (B24) – *Only used for mFRR and Redispatching*
    - In minutes
- Minimum Activation Time (B25) – *Only used for Redispatching*
    - In minutes
- Neutralization Time (B26) – *Only used for mFRR*
    - In minutes

To add extra Bid Group sections in the worksheet, please select all lines of an existing Bid Group (rows 13 to row 29 in the screenshot above), right click on one of the selected lines and choose 'Copy'. Pick a line below the last Bid Group section, leaving a line blank and choose 'Insert Copied Cells'. Repeat to add the desired number of Bid Group Sections

In order to remove Bid Group sections from the worksheet, please select all lines of an existing Bid Group, right click and choose 'Delete'.

4. Status

Using the dropdown in the status field the end user can indicate if the Group is 'Active' or 'Cancelled'. If the field is left blank a default value of 'Active' will be used.

5. Label

Using the dropdown in the label field the end user can indicate if the BidGroup is considered a 'Start-up' or a 'Shutdown' BidGroup. - *Only applicable for mFRR and Redispatching*

6. Quarter hours

A column is provided for every quarter hour in the quarter hour section of the worksheet. For every quarter hour the end user can enter:

- The Offered Volume (row 18)
- The Price (row 19) – *Only used for aFRR, mFRR and Redispatching*
- The Secondary Price (row 20) – *Only used for Merged Energy Bids to define the price for Redispatching*
- The Minimum Volume (row 21) – *Only used for mFRR and Redispatching*
- The Maximum Energy Level (row 22) – *Only used for mFRR and Redispatching*
- The Activation Type (row 23). Can be DA+SA or SA only – *Only used for mFRR*
- The FAT Activation (row 24). *Only used for aFRR*
- The FAT Deactivation (row 25). *Only used for aFRR*
- Reason (row 26). Can be B46 = Internal congestion, Y24 = Forced outage or Y25= Other

A full day accounts for 96 quarter hours. There is an exception for the days when the change to summer or winter time takes place:

- The last Sunday of October must account for 100 quarter hours for a full day. For this day, 4 additional columns need to be added to the quarter hour section.
- The last Sunday of March must account for 92 quarter hours for a full day. For this day, 4 columns need to be removed from the quarter hour section.

7. Delivery points

It is possible to define Delivery Points for specific quarter hours. For this purpose the Delivery Points section has been provided in the Energy Bid worksheet. The user can select the Delivery Points from dropdown in the cells in the C column (C27-C29 in the screenshot above). This dropdown is filled with data from the Providing Group. Next in every quarter hour column the end user can indicate TRUE or FALSE for the Delivery Point on the respective row. TRUE means that the Delivery Point is defined for the concerned quarter hour. FALSE means that the Delivery Point is not defined for the concerned quarter hour.

If there are no Delivery Points defined for a specific quarter hour, then the Delivery Points from the Providing group are used for the concerned quarter hour.

To add extra lines for additional Delivery Points, please right click on the middle line (row 26 in the screenshot above) and choose 'Copy', right click again and then choose 'Insert Copied Cells'. This will ensure that the formulas are available in the new line.

To remove lines in order to have less Delivery Points, please right click on the second to last line (row 29 in the screenshot above) and choose 'Delete'.

3.2.2 Backup Delivery Points

The Backup Delivery Points template exists out of a 'Backup DP' worksheet and two auxiliary worksheets: A 'Front' worksheet to collect information which is shared by multiple 'Backup DP' worksheets and a 'DP List' worksheet which can be used to store a list of Delivery Points.

3.2.2.1 Front worksheet

It is possible to add multiple Backup Delivery Point messages in the same .xlsx file by using multiple worksheets (multiple tabs) as long as the product in all worksheets is the same. The 'Front' worksheet is provided to facilitate this. In the 'Front' worksheet, it is possible to fill in certain information only once. Via formulas this information will be copied to each individual 'Backup DP' worksheet. For example, this can be useful to submit the same list of Backup Delivery Points for multiple days. In this case the execution date in every sheet needs to be adjusted.

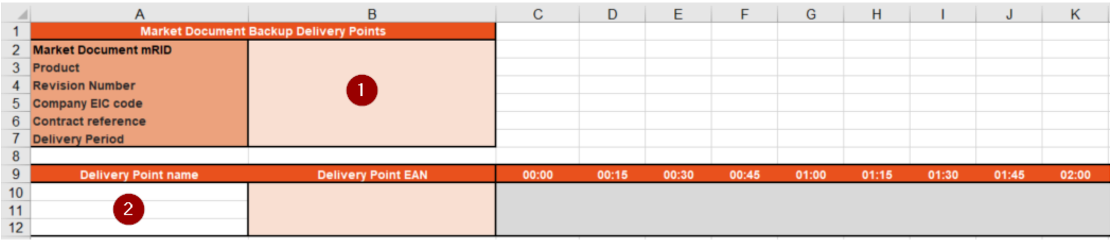
3.2.2.2 DP List worksheet

The 'DP List' worksheet in the Backup Delivery Point template works according to the same principles as in the Energy Bid template.

3.2.2.3 Backup DP worksheet

The 'Backup Delivery Point' worksheet is the main worksheet. This worksheet is used to provide all information related to Backup Delivery Points. Every 'Backup DP' worksheet is interpreted by Biple as one Backup DP message. The cells in the worksheet are color-coded to indicate what is expected from the end user.

- The end user is expected to fill in the cells with a white background.
- All cells with a label and an orange background must remain unchanged. These fields are used by Biple to read the data from the .xlsx file.
- All empty cells with a light orange background contains formulas. These will be automatically filled in based on information entered in the cells with a white background. The cells with a grey background contain conditional formatting. These will either become white or remain grey based on the information entered.



	A	B	C	D	E	F	G	H	I	J	K
1	Market Document Backup Delivery Points										
2	Market Document mRID										
3	Product										
4	Revision Number	1									
5	Company EIC code										
6	Contract reference										
7	Delivery Period										
8											
9	Delivery Point name	Delivery Point EAN	00:00	00:15	00:30	00:45	01:00	01:15	01:30	01:45	02:00
10											
11	2										
12											

1. Market Document Backup Delivery Points

The Market Document Backup Delivery Points section of the worksheet contains header information for the Backup Delivery Point message. This section of the template is used to provide information on:

- The mRID of the Market Document (B2)
- The Product (B3)
- The Revision Number (B4)
- The company EIC code of the company submitting the Energy Bids (B5)
- The contract reference of the company submitting the Energy Bids (B6)
- The Delivery Period (= Execution Date) in DD/MM/YYYY format (B7)

Remark: a 'Backup DP' worksheet can also be added to a file with 'Energy Bid' worksheet as long as the product in all worksheet is the same.

2. Delivery Points

Just like in the JSON messages, it is possible to define Backup Delivery Points for specific quarter hours. For this purpose the Delivery Points section has been provided in the Backup DP worksheet. The user can select the Delivery Points from dropdown in the cells in the A column (A10-A12 in the screenshot above). This dropdown is filled with data from the 'DP List' worksheet. Next in every quarter hour column the end user can enter TRUE or FALSE if the Delivery Point must be listed as a Backup Delivery Point for the quarter hour on the respective row. TRUE means that the Delivery Point is defined as Backup Delivery Point for the concerned quarter hour. FALSE means that the Delivery Point is not defined as Backup Delivery Point for the concerned quarter hour.

To add extra lines for additional Delivery Points, please right click on the last line (row 12 in the screenshot above) and choose 'Insert'. This will ensure that the formulas are available in the new lines.

To remove lines in order to have less Delivery Points, please right click on the second to last line (row 11 in the screenshot above) and choose 'Delete'.

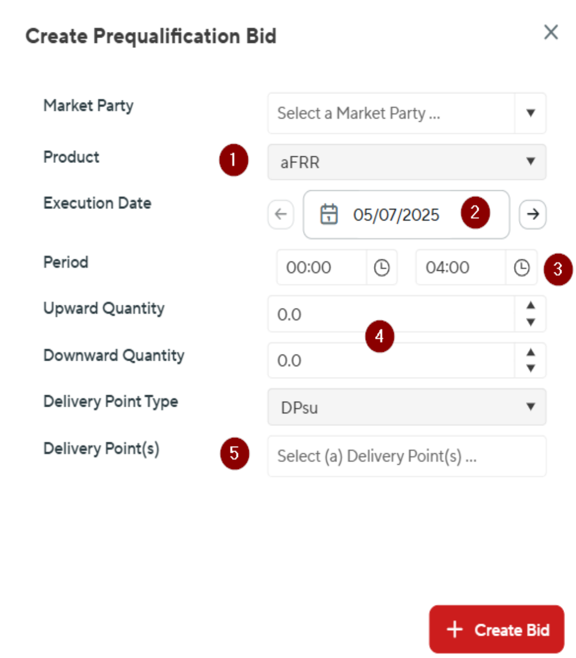
3.3 Prequalification Bids

Via the Biple user interface, Prequalification Bids can be created and updated.

3.3.1 Create Prequalification Bids

The dialog to create a new Prequalification Bids can be opened via the action in the upper menu.

The dialog allows end-users to create Prequalification Bids.



1. The product for which the Prequalification Bids is created

2. The execution date determines the date to which the Prequalification Bid relates to

3. The execution period determines the 4 hour period to which the Prequalification Bid relates to – Only applicable for aFRR Prequalification bids

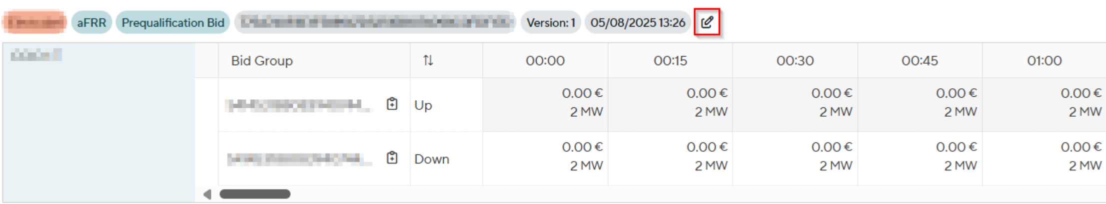
4. The Bid Volume quantity in MW for the different directions for the Prequalification Bid

5. A multiselect field allows to enter one or multiple Delivery Points of the selected Delivery Point Type

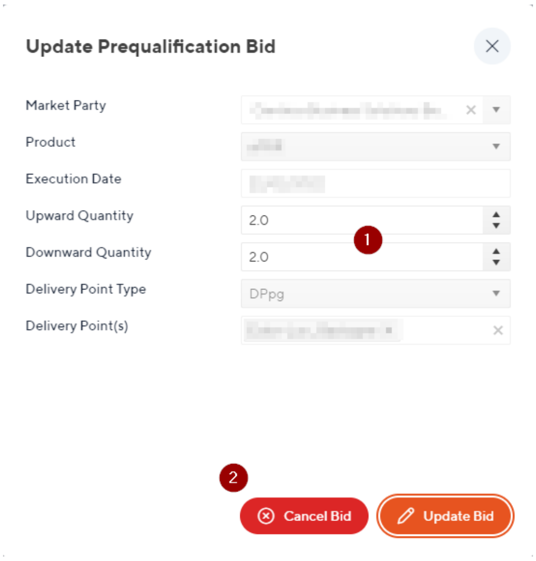
After clicking **Create Bid**, the Prequalification Bid is created in Biple and the user is redirected to the Message Log. The Message Log will be automatically filtered to show the new Prequalification Bid. This allows the user to verify the validation status.

3.3.2 Update Prequalification Bids

Prequalification Bids can be updated by navigating to the Prequalification Bid in the Bid Referential and clicking the **Pencil** icon in the header above the Bid information.



Clicking the **Pencil** icon opens a dialog, which allows end-users to update an existing Prequalification Bid.



1. The quantity for the different directions for the Prequalification Bids can be updated

When other properties than the quantity needs to be updated, it is required to cancel the existing Prequalification Bid and to create a new Prequalification Bid

2. Clicking the **Cancel Bid** button updates the status of the Prequalification Bid to 'Cancelled'.

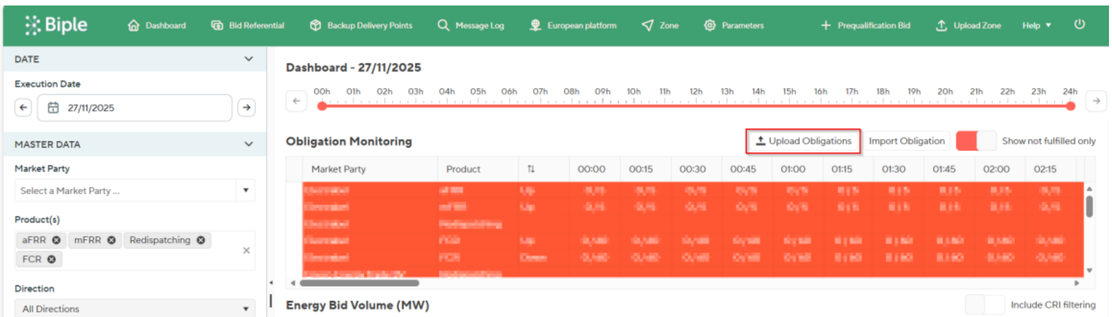
After clicking **Update Bid**, the Prequalification Bid is updated in Biple and the user is redirected to the Message Log. The Message Log will be automatically filtered to show the updated Prequalification Bid. This allows the user to verify the validation status.

Remark: Once a prequalification bid is cancelled, it is not possible to uncancel this. If a new prequalification bid should be created for the same delivery point and execution date the steps in 3.3.1 Create Prequalification Bids should be followed.

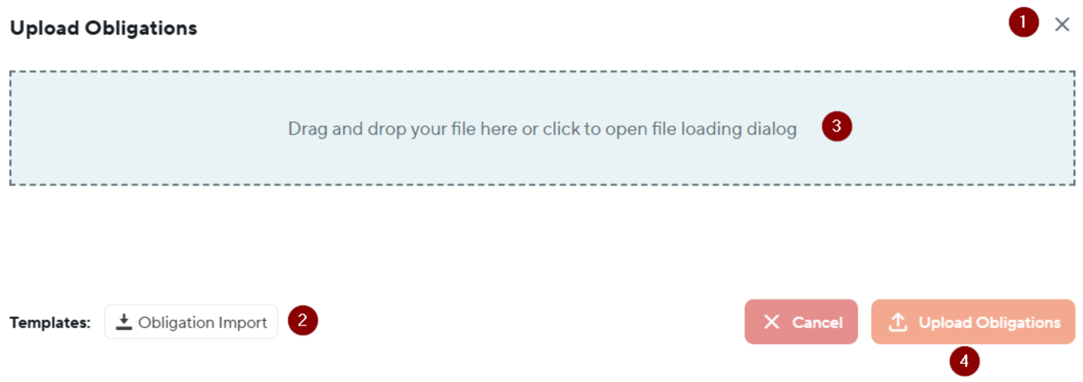
3.4 Upload obligations (DEMO only)

Via the Biple user interface, FCR obligations can be created and updated. This functionality is and will only available in the DEMO environment as this is only added to allow for easier FCR Energy Bid testing. This feature will never reach the production environment.

To upload obligations, navigate to the Biple dashboard and press button: Upload obligations:



This dialog allows users to upload FCR obligations:



1. Close

The obligation upload zone opens as an overlay on the screen. This can be closed by clicking the cross in the upper right corner or by clicking outside of the overlay.

2. Templates

When uploading the files have to respect a certain format. In order to facilitate the upload process, templates are available for download from Biple via the bottom left buttons on the upload obligation form.

3. Drag and drop zone or file explorer

There are two ways to upload files:

- <u>Using drag and drop:</u> Files can be dragged and dropped in the 'drag and drop area' which is indicated in light blue. After dragging and dropping files, the files will appear in the upload zone grid, which means they are ready to be uploaded.
- <u>Using the file explorer:</u> By clicking in the 'drag and drop area' a file explorer dialog will open. In this dialog the end user can select the files that need to be uploaded to Biple. After selecting the files, the files will appear in the upload zone grid, which means they are ready to be uploaded.

4. Upload files or clear list buttons

After dragging and dropping the file or selecting a file via the file explorer, the end-user is able to trigger the upload process by clicking the 'Upload obligations button.

Remarks:

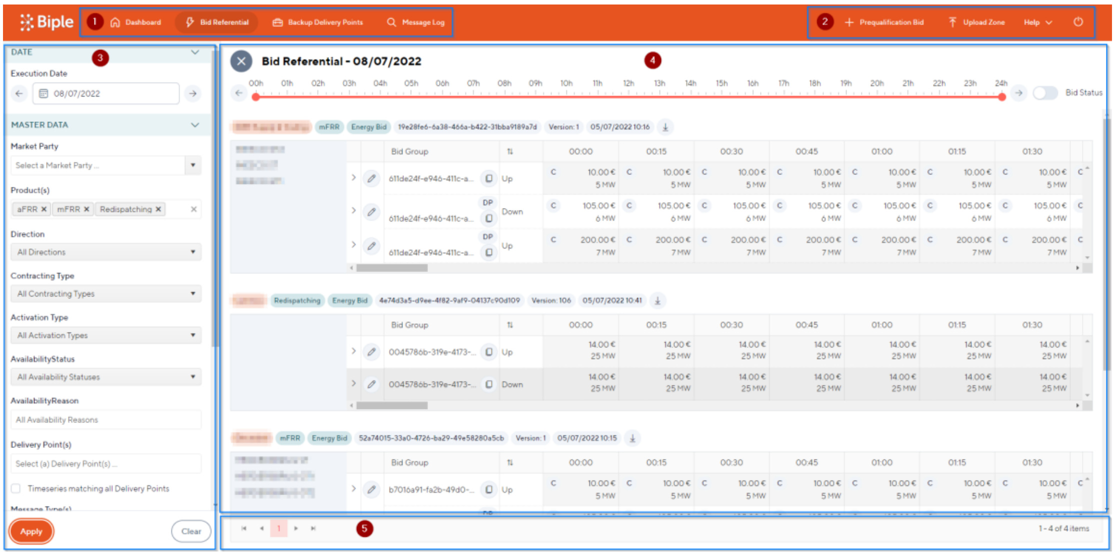
- This is a feature which will only be available on the DEMO environment and will thus never reach the PRODUCTION environment
- When uploading obligations you are able to overwrite existing values
- When uploading obligations you are free to upload different values Qh per Qh

4 User interface

4.1 Generic components

4.1.1 Description

The main composition of the Biple webclient consists of a **menu bar and sections**. The upper menu allows the user to navigate between the sections or to access a number of actions. A section consists of all elements represented on the screen below the upper menu bar.



4.1.2 Elements

1. Sections

The sections will structure the application according to specific contents and functionalities:

- Bid Referential: the section where the end user can consult the Energy / Prequalification Bids and all their related information in an interactive way.
- Backup Delivery Points: the section where the end user can consult the Backup Delivery Points.
- Message Log: this section provides a detailed view on all messages that have been submitted via the web client or the External Communication Layer. It will give information on all messages that are technically valid, allowing the end user to consult the validation status of all Market Documents and their related Timeseries.
- Dashboard: this section provides an overview of the status of the obligations and an aggregated view on the submitted bid volumes.

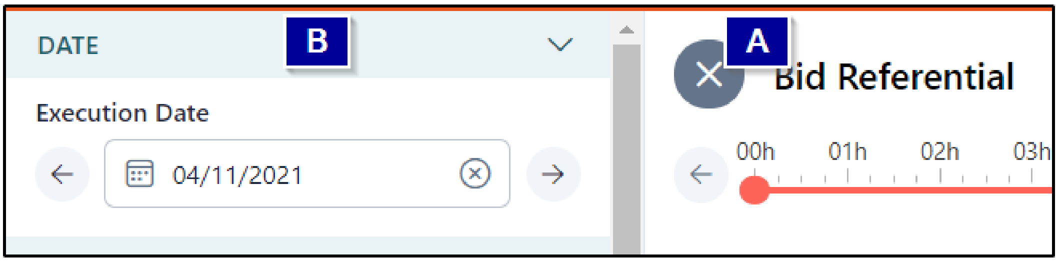
2. Actions

Actions are used to execute a specific action. The following actions are currently available:

- Upload zone: this action will open the upload zone in which the templates to submit Energy Bids or backup DPs can be uploaded. The use of this action is described in the previous chapter.
- Prequalification Bid: this action allows the end user to create a Prequalification Bid via the user interface.
- Help: gives the user access to specific information

3. Filter pane

The filter pane is accessible for all the pages where result sets can be filtered. The full pane **(A)** and each "filter set" **(B)** that groups filters for similar types of data are collapsible.



In order to render the data it is always required to click on **Apply**. To clear used filters and get back to the default values, the **Clear** button can be used.

4. Section content

The main content of each section will be described in the subsequent chapters of this guide.

5. Pagination

This bar will be used to view results in different pages when the result set surmounts the amount of information that can be presented in the screen. By going to subsequent pages, the entire result set can be consulted.

4.2 Bid Referential

4.2.1 Description

The Bid Referential screen will show accepted Bid Groups in Biple. The screen will enable the end user to view information related to Energy / Prequalification Bids in an interactive way.

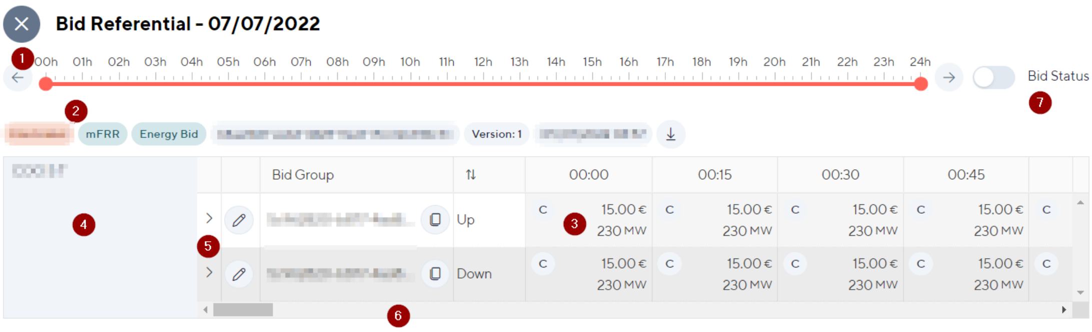
4.2.2 Elements

4.2.2.1 Screen

The Bid Referential screen is designed for the end user to consult the primary information (price, quantity, contracted/non contracted, time, …) of its Energy / Prequalification Bids immediately when rendering the result set.

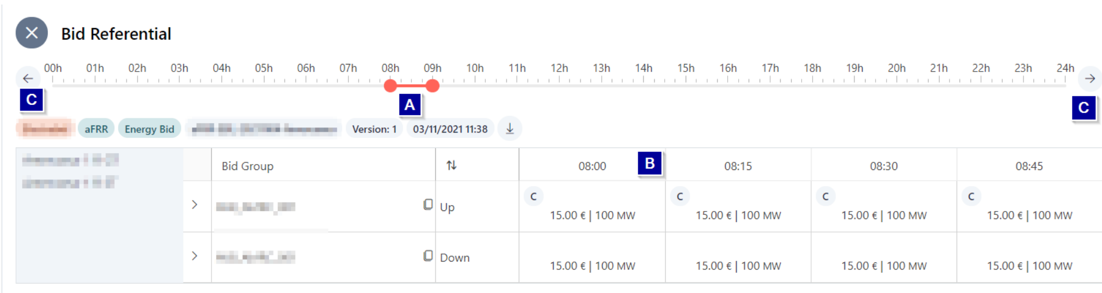
The result set is composed of a complete data grid per Market Document and thus by definition, per Providing Group. The Bid Groups are represented on a row within the data grid. There are some built in interactivities allowing the user to reach additional information.

All components of the screen and interactive functionality are described below.



1. Time range bar

The time range bar allows the user to decrease or increase the amount of quarter hours that are shown.



When decreasing the default range of a full execution date, the user can use the arrows to shift 1 hour forward/backward in time. The screenshot above indicates the action which can be performed:

A. Decrease / Increase time range

B. Grids are filtered by the range

C. Shift forward or backward with one hour

2. Market Document header information and actions

The “chips” in this part of the screen will provide the main header information on the Market Document that was sent. It also includes an action button to export the Market Document to .xlsx.

- Market Party
- Product
- Market Document mRID
- Version
- Market Document Creation Date
- Export the Market Document to .xlsx

3. Cell

The cell will show the primary information of the Energy / Prequalification Bids such as the price (€/MWh), the volume (MW) and whether the Energy Bid is contracted or not. Additionally, if the Energy / Prequalification Bid has a specific subset of Delivery Points defined that are different from the Bid Group / Providing Group, the icon will appear to trigger the interaction described hereafter.

Note that the volume shown will always be the volume that is linked to the **validated bid**. When an aFRR bid is updated after GCT, the volume will only switch to the updated volume when the bid is validated.

4. Delivery Points

This column lists all the Delivery Points that are part of the Providing Group. As it is possible to define a subset of these Delivery Points within Bid Groups and Bids, the screen foresees an interactivity allowing the user to get the information.

A. When the 'DP' icon appears in either the Bid Group or the Bid, it means that a subset is defined on this Bid (Group). By clicking on the icon, the screen will highlight the Delivery Points that are set on the respective level.

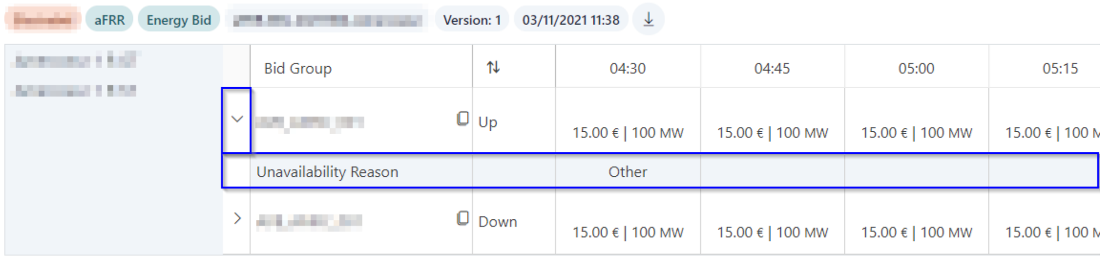
B. When clicking on a Delivery Point, the screen will highlight all the Bids in which this Delivery Point is defined.

5. Additional Bid attributes

Bids can have many attributes depending on the product. As it would overly populate a single cell, the screen provides an expand/collapse to show this additional information on all Bids.

It will represent (if available and depending on the product):

- Unavailability Reason
- Minimum Volume – *Only used for mFRR and Redispatching*
- Activation Type
- Full Activation Time (FAT) - *Only used for aFRR and Redispatching*
- Maximum Activation Time (MAT) - *Only used for mFRR and Redispatching*
- Maximum Energy Level (MEL) - *Only used for mFRR and Redispatching*
- Minimum Activation Time (MIT) – *Only used for Redispatching*
- Neutralization Time (NT) – *Only used for mFRR*
- Parent Child Groups – *Only used for mFRR and Redispatching*
- Exclusive Groups – *Only used for mFRR and Redispatching*
- Conditional Linking – *Only used for mFRR and Redispatching*



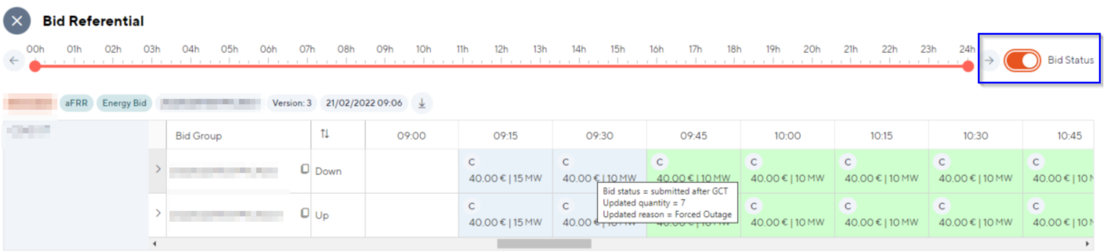
6. Scroll bar

The scroll bar can be used to scroll across time and will move in parallel with all scroll bars of represented Bid Groups.

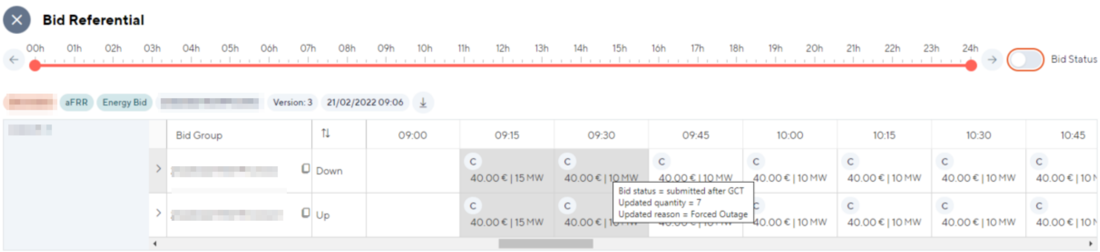
7. Bid status

The bid status toggle shows the user the status of an aFRR bid as of its BE Gate Closure Time:

- Green: the bid is validated (automatic if it was submitted before BE GCT)
- Blue: the bid is still to be validated by the European platforms
- Red: the bid is rejected and is not to be taken into account for activation



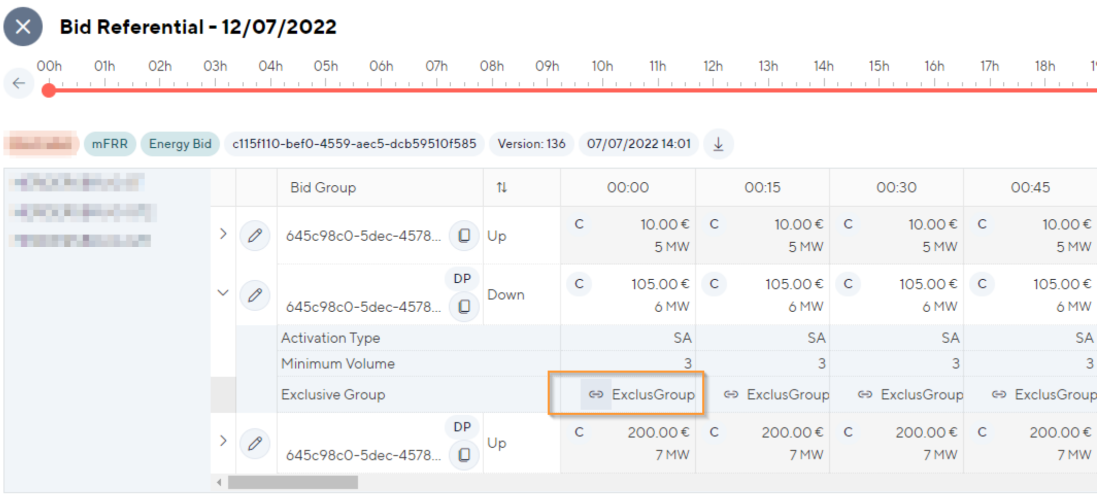
When the bid status toggle is not enabled, the system will show all bids that were updated to unavailable in grey and offer the same tooltip as when the toggle is enabled.



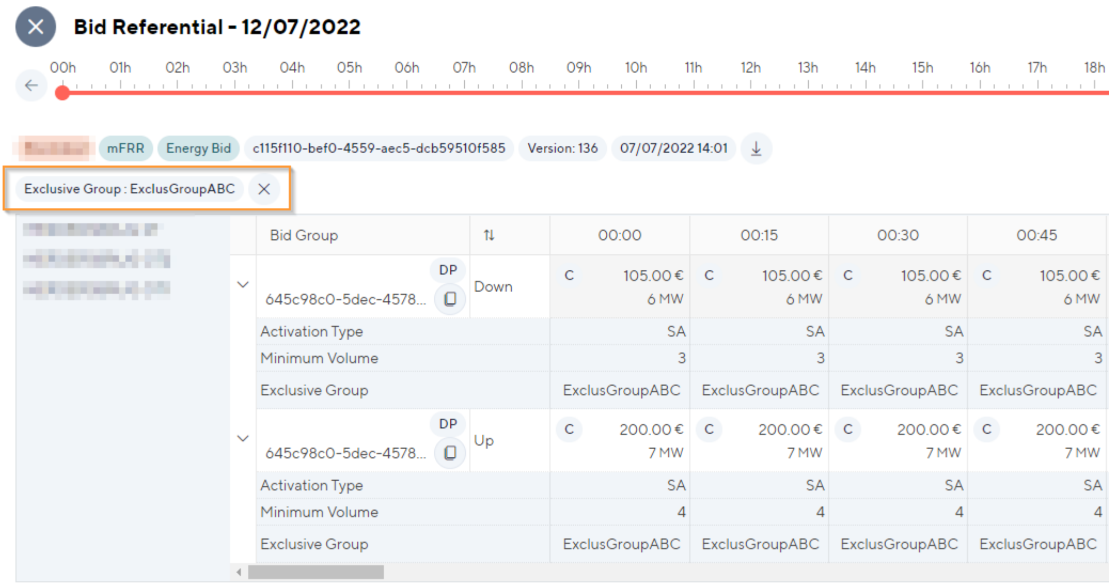
8. View on Parent Child Groups, Exclusive Groups and Conditional Linking

mFRR and Redispatching bid can contain Parent Child Groups, Exclusive Groups or Conditional links. These additional properties can be seen by expanding the grid as indicated above. A row will be shown for every group or Conditional link present for the Bid Group. In the quarter hour cell where the group or Conditional link is present a paperclip icon is shown. When the user clicks on the paperclip icon, the Bid Referential is filtered:

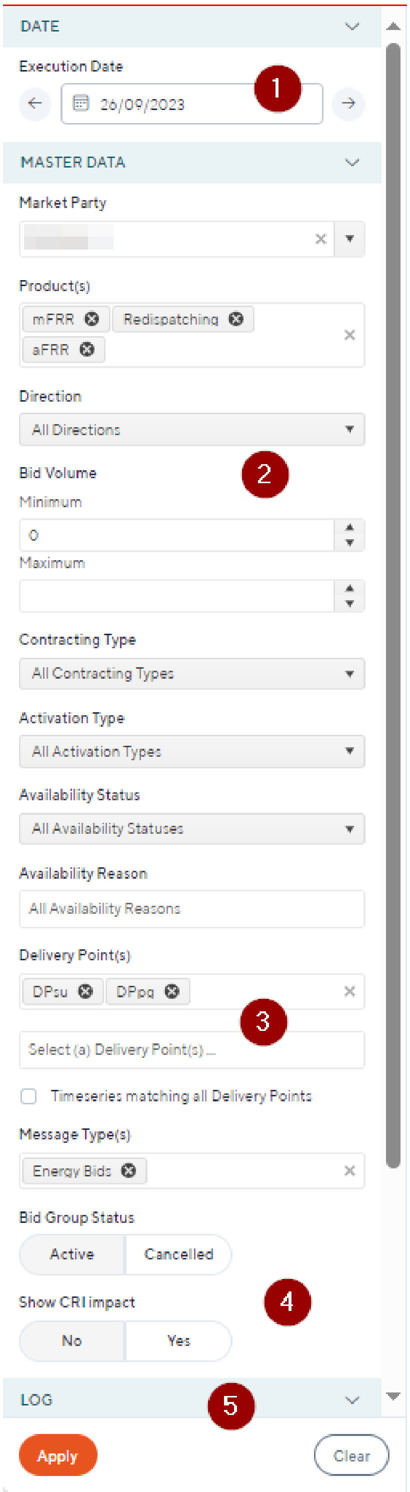
- For bids in a Parent Child Group or Exclusive Group, the Bid Referential will show the bids which are belonging to the same group.
- For bid with Conditional Links, the Bid Referential will show and highlight the bids which are conditionally linked.



It is possible to remove the filter by clicking the cross icon which appear above the grid.



4.2.2.2 Filters



1. The execution date determines the date to which the Energy / Prequalification Bids relate to.

2. Drop down filters allowing to filter on the mentioned attributes.

3. This specific filter will allow the user to filter on Delivery Points within the Bid Groups. When the matching box is ticked, only the Bid Groups that include all of the selected Delivery Points in the filter above will be shown.

4. The Bid Group Status allows the user to view bids that are either active or have been cancelled. The show CRI impact filter allows the user to view bids which are imacted by CRI filtering.

5. When used, Log filters will overwrite all other selected filters even if they are still set.

The Bid Referential will always show the latest accepted Bid Groups in its result set. In order to view versioned accepted Bid Groups in this screen, the Market Document mRID and the old version number must be used.

Energy Bids from rejected market documents will not be shown in this screen.

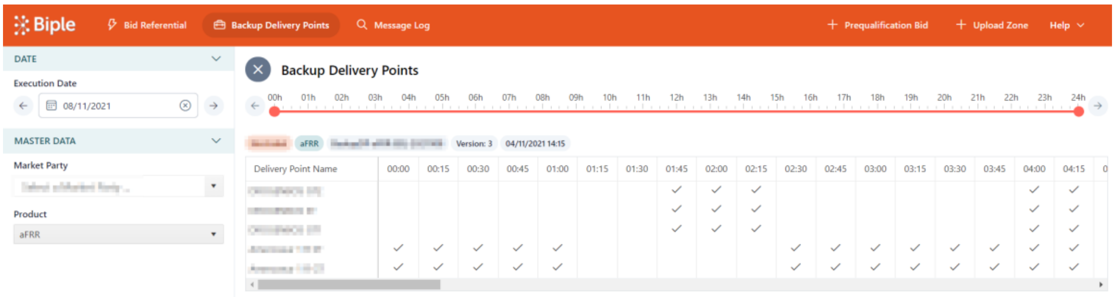
4.3 Backup Delivery Points

4.3.1 Description

The Backup Delivery Points screen is the main screen used to represent accepted Backup Delivery Points in Biple. The Backup Delivery Points for a quarter hour represent the Supporting Group for that quarter hour.

4.3.2 Elements

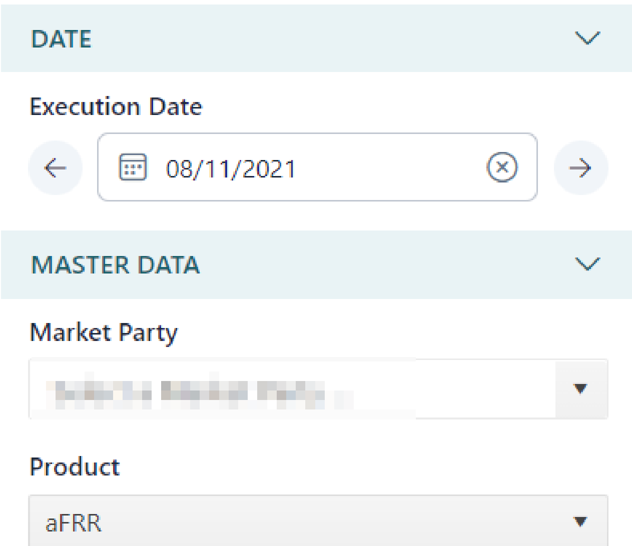
4.3.2.1 Screen



The screen reuses the Bid Referential components, Time Range Bar and the Market Document header information. The data grid will list all potentially used Backup Delivery Points and represent whether they apply to a specific quarter hour.

4.3.2.2 Filters

The filters of Backup Delivery Points are limited to the date and the product. The result set will always show the latest version of the Backup Delivery Points.



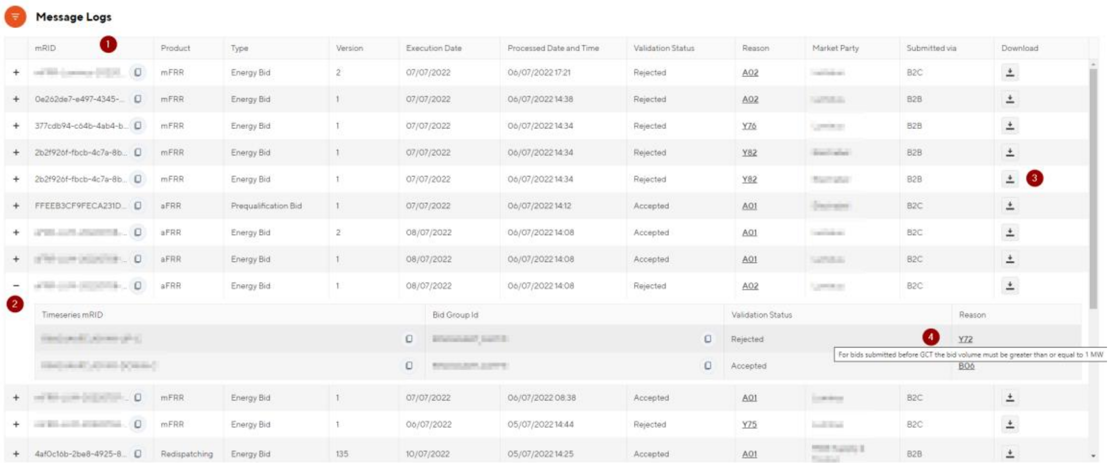
4.4 Message Log

4.4.1 Description

The message log section provides a detailed view on all messages that have been submitted via the web client or the External Communication Layer and were able to be processed. The end user can consult the validation status of these Market Documents and related Timeseries.

4.4.2 Elements

4.4.2.1 Screen



1. Data grid

The data grid will represent all necessary information to assess the validation status of a Market Document and its Timeseries.

The validation status of Market Document is based on business rules on Market Document level or is derived from the statuses of the underlying Timeseries.

1. Timeseries toggle

A toggle allows the user to expand the Market Document to see underlying Timeseries and their validation status.

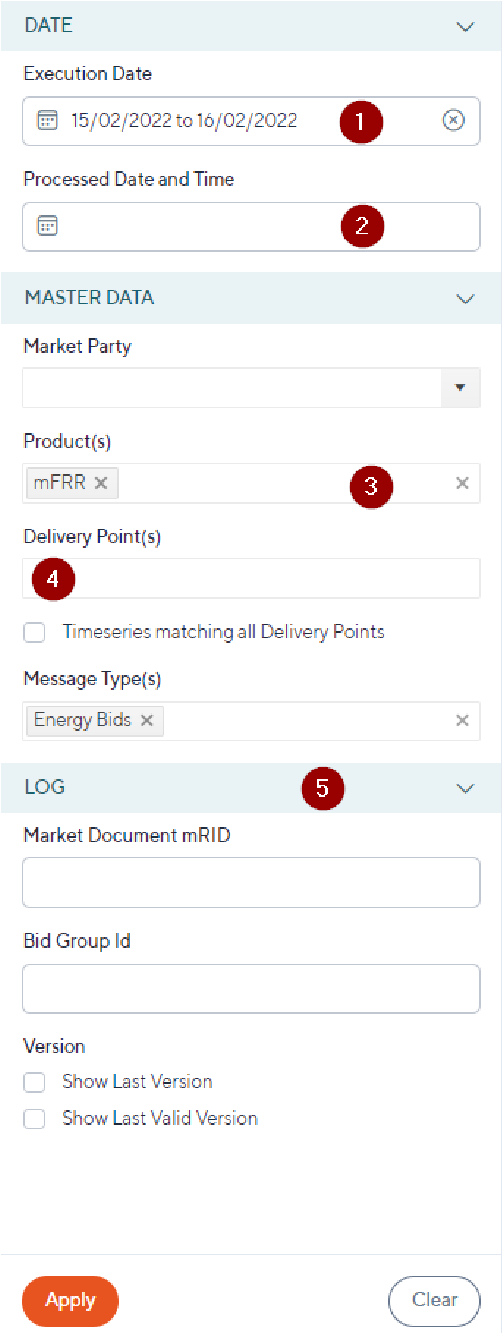
2. Export to JSON

The user can export the entire Market Document to a JSON format, also when the Market Document was imported using the web client.

3. Reason code tooltip

Each reason code has a reason text behind it, which is accessible via tooltip by hovering over the code with your mouse.

4.4.2.2 Filters



1. The execution date range determines the date range to which the Bids relate to.

2. The processed datetime range determines the date and time range within which the Bids were processed by Biple.

3. Multiselect filters allowing to filter on the Product and Message type.

4. This specific filter will allow to filter on Delivery Points within the Bid Groups. When the matching box is ticked, it means that only the Bid Groups that include all selected Delivery Points in the filter above will be shown.

5. When indicated, Log filters will overwrite all other selected filters.

The Message Log will only show the records that have been processed by Biple. Messages that did not get through the parsing due to incorrect formats or data will end up in the error queue and will not be shown here.

4.5 Dashboard

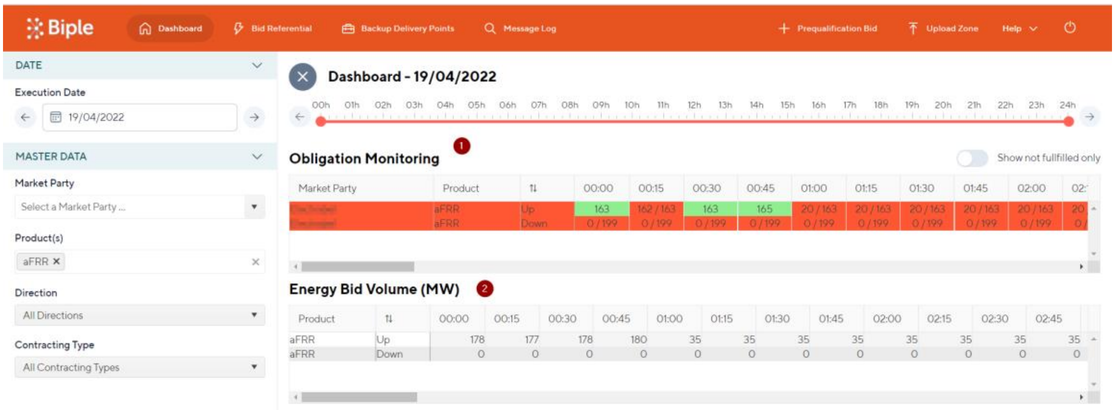
4.5.1 Description

The dashboard provides an overview of the status of the obligations. The dashboard allows the user to see the status per quarter hour of the obligations which need to be fulfilled per direction and per product. The dashboard also provides an aggregated view on the submitted bid volumes.

4.5.2 Elements

The dashboard exists out of a main screen and of a filter pane on the left hand side.

4.5.2.1 Screen



The main dashboard screen exists out of 2 grids.

1. **Obligation monitoring grid**

The Obligation Monitoring grid shows the obligations per direction and per product on a quarter hour basis. For every quarter hour a cell is visible in the grid. The filters which are set in the filter pane are applied on the data shown in the Obligation Monitoring grid.

If the obligation is fulfilled, the cell has a green background. For FCR, aFRR and mFRR, the volume of the submitted contracted volume for that product and for that direction is shown in the cell. For Redispatching no volumes are shown in the cells.

In case the obligation is not fulfilled, the cell has a red background. For FCR, aFRR and mFRR, the volume of the submitted contracted volume and the obligation volume for that direction are shown in the cell as '*submitted volume/obligation volume*'. For Redispatching no volumes are shown in the cells.

As soon as there is one quarter hour for which the obligation is not fulfilled for a product and a direction, the first three cells of the line (Market Party, Product, and Direction) will get a red background. In other words, if the first three cells of the line have a red background, then there is an unfulfilled obligation for at least one quarter hour on that line.

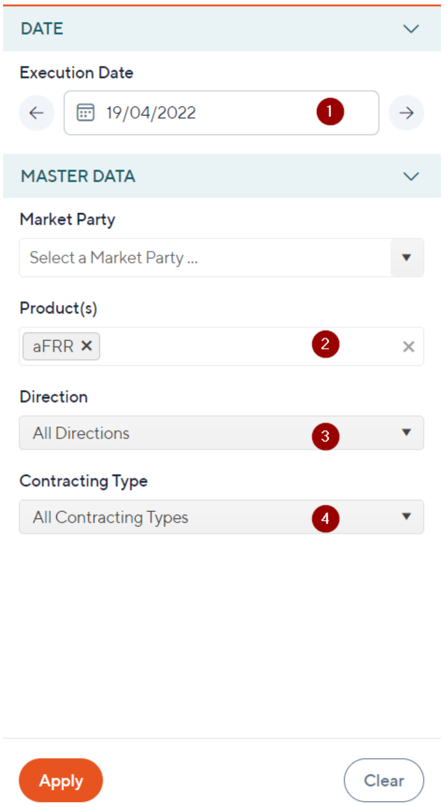
On the top right corner of the obligation monitoring grid a toggle 'Show not fulfilled only' is available. This toggle allows to switch between seeing both fulfilled and not fulfilled obligations and seeing not fulfilled obligation only. By default this toggle will be turned on so that only the not fulfilled obligations are shown in the grid.

2. **Energy Bid Volume grid**

The Energy Bid Volume grid provides an aggregated view on the submitted Energy Bid Volumes per product and per direction. For every quarter hour, a cell is visible in the grid. The filters which are set in the filter pane are applied on the data shown in the Energy Bid Volume grid.

Every cell shows the total submitted Energy Bid volume for the quarter hour for a product and a certain direction. Keep in mind that these volumes are not updated when activation filters come in. Similarly bids which are conditionally unavailable are excluded from these volumes, while conditionally available bids are included.

4.5.2.2 Filters



1. The execution date determines the date to which the data in both grids relate to

2. Multiselect filter allowing to filter on the Product(s)

3. Drop down filters allowing to filter on the Direction

4. Drop down filters allowing to filter on the Contracting Type