



Instructions for the automated download of imbalance values

1. Resolution 15-min and 60-min

It is possible to download imbalance data in an orderly form via a CSV file. The CSV file consists of six columns, separated by a comma:

- Time from [CET/CEST]
- Time to [CET/CEST]
- Imbalance (operational values) [MW]
- Imbalance (settlement values) [MW]
- mFRR for AT [MW]
- Unintended Exchange [MW]

Time from [CET/CEST],Time to [CET/CEST],Imbalance (operational values) [MW],Imbalance (settlement values) [MW],mFRR for AT [MW],Unintended Exchange [MW]
2021-07-02 00:00:00,2021-07-02 00:15:00,-161.414,-141.600,0.000,-8.796
2021-07-02 00:15:00,2021-07-02 00:30:00,27.000,8.400,0.000,26.668
2021-07-02 00:30:00,2021-07-02 00:45:00,-53.486,-56.400,0.000,10.188
2021-07-02 00:45:00,2021-07-02 01:00:00,-85.028,-83.600,0.000,8.212
2021-07-02 01:00:00,2021-07-02 01:15:00,-149.649,-141.600,0.000,-2.452
2021-07-02 01:15:00,2021-07-02 01:30:00,-134.097,-131.200,0.000,5.444
2021-07-02 01:30:00,2021-07-02 01:45:00,-113.799,-129.600,0.000,24.740
2021-07-02 01:45:00,2021-07-02 02:00:00,-34.820,-42.000,0.000,15.544
2021-07-02 02:00:00,2021-07-02 02:15:00,-28.713,-22.400,0.000,2.596
2021-07-02 02:15:00,2021-07-02 02:30:00,-49.506,-48.400,0.000,6.376
2021-07-02 02:30:00,2021-07-02 02:45:00,-70.147,-69.200,0.000,11.408
2021-07-02 02:45:00,2021-07-02 03:00:00,-136.703,-144.000,0.000,17.200
2021-07-02 03:00:00,2021-07-02 03:15:00,-155.943,-149.200,0.000,3.092
2021-07-02 03:15:00,2021-07-02 03:30:00,-174.126,-186.400,0.000,18.640
2021-07-02 03:30:00,2021-07-02 03:45:00,-222.763,-225.200,0.000,12.360
2021-07-02 03:45:00,2021-07-02 04:00:00,-139.590,-138.400,0.000,10.068
2021-07-02 04:00:00,2021-07-02 04:15:00,-112.310,-110.800,0.000,7.364
2021-07-02 04:15:00,2021-07-02 04:30:00,-77.906,-77.600,0.000,8.332
2021-07-02 04:30:00,2021-07-02 04:45:00,-62.894,-47.600,0.000,-6.684
2021-07-02 04:45:00,2021-07-02 05:00:00,-178.386,-173.200,0.000,1.368
2021-07-02 05:00:00,2021-07-02 05:15:00,-140.289,-126.800,0.000,-1.088
2021-07-02 05:15:00,2021-07-02 05:30:00,-83.033,-98.800,0.000,25.092
2021-07-02 05:30:00,2021-07-02 05:45:00,-124.823,-128.800,0.000,12.592
2021-07-02 05:45:00,2021-07-02 06:00:00,-250.882,-265.600,0.000,23.084
2021-07-02 06:00:00,2021-07-02 06:15:00,-272.423,-230.800,0.000,-21.668
2021-07-02 06:15:00,2021-07-02 06:30:00,-346.437,-367.200,0.000,31.828
2021-07-02 06:30:00,2021-07-02 06:45:00,-295.951,-271.600,0.000,-7.816
2021-07-02 06:45:00,2021-07-02 07:00:00,-209.355,-223.600,0.000,27.000
2021-07-02 07:00:00,2021-07-02 07:15:00,52.873,36.400,0.000,33.368
2021-07-02 07:15:00,2021-07-02 07:30:00,-176.404,-163.600,0.000,5.352
2021-07-02 07:30:00,2021-07-02 07:45:00,-198.782,-202.000,0.000,23.112
2021-07-02 07:45:00,2021-07-02 08:00:00,-269.427,-268.400,0.000,17.412
2021-07-02 08:00:00,2021-07-02 08:15:00,-348.603,-353.200,0.000,18.048

1.1. Instructions for the export

With the following URL the imbalance data can be downloaded:

https://transparency.apg.at/transparency-api/api/v1/Download/DRZ/English/M15/2019-01-01T000000/2019-01-02T000000/download.csv?p_drzMode=Export



In the URL the start time and the end time of the export are used. The format of these timestamps is defined as follows: YYYY-MM-DDTHHMMSS.

Furthermore, with the parameter M15 or M60 the resolution can be selected between 60 or 15 minutes.

As an example, the abovementioned link downloads the imbalance data from 01.01.2019 at 00:00 until the 02.01.2019 at 00:00 in a quarter-hourly resolution.

2. Resolution 1-min and 5-min

It is possible to download imbalance data in an orderly form via a CSV file. The CSV file consists of five columns, separated by a comma:

- Time from [CET/CEST]
- Time to [CET/CEST]
- mFRR for AT [MW]
- Unintended Exchange [MW]
- Imbalance [MW]

2.1. Instructions for the export

With the following URL the imbalance data can be downloaded:

https://transparency.apg.at/transparency-api/api/v1/Download/DRZ/English/M5/2021-07-01T000000/2021-07-02T000000/download.csv?p_drzMode=CurrentBalancingState5M

In the URL the start time and the end time of the export are used. The format of these timestamps is defined as follows: YYYY-MM-DDTHHMMSS.

Furthermore, with the parameter M1 or M5 the resolution can be selected between 1 or 5 minutes.

Additionally, for using 1 minute resolution the URL's last statement must be reduced to "drzMode=CurrentBalancingState".

As an example, the abovementioned link downloads the imbalance data from 01.07.2021 at 00:00 until the 02.07.2021 at 00:00 in a 5 minute resolution.

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