

## PIBIV dashboards

### Change Log

#### Release 1.0 (19 April 2021)

- Initial release of PIBIV dashboards.

#### Release 1.1 (20 September 2021)

- Dashboards now include data up to 14 July 2021.
- Cash penalties and buy-in volumes of partially settled instructions in the **CBF** dashboard are now correctly calculated (they were not correctly calculated in the initial release). Depending on the usage of partial settlements by an institution or an account, this fix may significantly affect dashboard data compared to the initial release, so we encourage all users of CBF PIBIV dashboard to repeat their analyses using updated information.
- We have fixed an error due to which cash penalties and buy-in values of some cancelled instructions (Status = "Cancelled") in the **ICSD** dashboard were not calculated properly. Since cancelled instructions make a small percentage of all late settlements, the impact of this (now corrected) issue on results shown in the **initial** release of the ICSD dashboard is estimated to have been minor. However, we would still like to encourage users of the ICSD dashboard to repeat their analyses using updated information.
- The "Instruction\_amount" column is now defined as the reference value of the settlement on the **first** penalty day (in the initial version, it was the median reference value over **all** penalty days). This change has been made to allow for a more equal treatment of instructions that undergo partial settlement and those that do not.
- Fail determination logic has been expanded to include fails due to linked settlements, which are now considered as instructions being placed on hold. We expect this change to have a minor impact vs. the results shown in the initial release.
- The instrument type (for example, SOVR, DEBT) of some ISINs has been changed by WSS (<https://www.mds.deutsche-boerse.com/mds-en/Reference-data/wss>). These changes may affect cash penalties as the cash penalty rate depends on the instrument type. However, since the instrument type has changed for only a small percentage of ISINs, we estimate the overall impact of these changes to be negligible.
- Filtering of dashboard data using "Cpty\_Institution" in the filter query box now works as intended.
- To make the meaning clearer, "Net paid" and "Net received" legend labels in "Cash penalties" and "Buy-in volumes" tabs have been changed to "Net debited" and "Net credited", respectively.

- In the “Known issues and limitations” document, we now state that in the ICSD dashboard, the cash penalties are not reported for settlements between the Clearstream ICSD and **external** CSDs. In the previous release, the document stated “...and CBF CSDs...”.

### **Release 1.2 (21 November 2021)**

- Dashboards now include data up to 12 October 2021.
- The instrument type (for example, SOVR, DEBT) of some ISINs has been changed by WSS (<https://www.mds.deutsche-boerse.com/mds-en/Reference-data/wss>). These changes may affect cash penalties as the cash penalty rate depends on the instrument type. However, since the instrument type has changed for only a small percentage of ISINs, we estimate the overall impact of these changes to be negligible.

### **Release 1.3 (26 March 2022)**

- Dashboards now include data up to 9 January 2022.
- The instrument type (for example, SOVR, DEBT) of some ISINs has been changed by WSS (<https://www.mds.deutsche-boerse.com/mds-en/Reference-data/wss>). These changes may affect cash penalties as the cash penalty rate depends on the instrument type. However, since the instrument type has changed for only a small percentage of ISINs, we estimate the overall impact of these changes to be negligible.

### **Release 1.4 (23 May 2022)**

- Dashboards now include data up to 27 March 2022.
- A bug was fixed that in rare cases resulted in late-matched penalties be assigned to the wrong side (for example, the counterparty when the sender of the instruction was at fault).
- The instrument type (for example, SOVR, DEBT) of some ISINs has been changed by WSS (<https://www.mds.deutsche-boerse.com/mds-en/Reference-data/wss>). These changes may affect cash penalties as the cash penalty rate depends on the instrument type. However, since the instrument type has changed for only a small percentage of ISINs, we estimate the overall impact of these changes to be negligible.