



The Derivatives Service Bureau (DSB) Ltd

DSB OTC ISIN and UPI Weekly Snapshots

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Preface

Change History

Date	Change	Version	Author	Revision Details
17 December 2022	Creation	1.0	DSB	Initial Document
09 January 2023	Amendment	1.1	DSB	Updated section 2.2. Changed the directory name from “snapshot” to snapshots” Added section 2.3.1 – Delta Files
19 October 2023	Amendment	1.2	DSB	Document updated to include UPI Weekly Snapshot

2 Weekly Snapshot Definition

The Weekly Snapshot is a copy of the database and is available shortly after 16:00 UTC every Sunday. It contains the last state (New, Deprecated, Expired or Updated) of records up to the end of the day before (Saturday).

Weekly Snapshot Files are currently available for ISIN and will be available for UPI from 19 November 2023.

As part of the current DSB End of Day (EoD) File Download process, daily files contain all OTC ISINs or all UPIs updated on the previous business day. These EoD delta files are made available shortly after 00:00 UTC daily. Users should use these daily delta files to update their database prior to reconciling with the next Weekly Snapshot.

2.1 Weekly Snapshot File Format

The format and syntax of the snapshot files is identical to the format and syntax of the daily delta files.

Please note that an OTC ISIN can appear in multiple delta files during the same week e.g.: created on Monday, expired on Tuesday. However, for the weekly snapshot files each ISIN or UPI will only appear once and the version presented will be the last version that was modified, in the OTC ISIN example above, the expired version.

2.2 Weekly Snapshot File Location

The Weekly Snapshots are written to a new “Snapshots” folder which can be accessed here:

```
/file-download/Records/OTC-  
Products/Snapshots/<service>/<YYYY>/<YYYYMMDD>/<AssetClass>/<AssetClass>-  
<YYYYMMDD>.records
```

Note: where <service> is either **ISIN** for OTC ISIN service or **UPI** for UPI service

2.3 Delta File Directory Changes

To bring the delta files into alignment with the new snapshot folder, the existing directory structure has been updated with the daily delta files being written to a new “delta” folder which can be accessed here:

```
/file-download/Records/OTC-  
Products/Delta/<service>/<YYYY>/<YYYYMMDD>/<AssetClass>/<AssetClass>-<YYYYMMDD>.records
```

Note: where <service> is either **ISIN** for OTC ISIN service or **UPI** for UPI service

3 Support and Availability

In the event that the Weekly Snapshot files are not available after 16:00 UTC, technical.support@ANNA-DSB.com will send an incident notification to users and follow up with timely updates thereafter.

Please note that there is weekend maintenance as defined [here](#)¹. Please adjust your operations specifically on Sunday according to the DSB's current maintenance hours.

The DSB recommends that users access and/or download the Weekly Snapshot files after 16:00 UTC to ensure that all updates to the Weekly Snapshot have completed.

Users should contact their internal first line of support for all issues relating to browser outages, firewall issues, proxy issues, local code issues and all related matters. Users' support teams may contact technical.support@ANNA-DSB.com for issues relating to file availability.

4 Automating the daily delta and weekly snapshot file download

4.1 Using ReST API

Users may use ReST API to automate access to the file download section by referring to Section 3.7 Download historical ISINs in the [ReST API document](#)². Please note that the record structure expected on the response payload is explained in that section as well.

4.2 Using Wget

It is also possible to access the file download section using wget command line (see: <https://en.wikipedia.org/wiki/Wget>). Wget is just one of the ways to automate the file-download and is neither developed nor supported by the DSB.

4.2.1 Below are some examples on how to download different files via Wget.

Note:

- where <env> is either *prod* for Production or *uat* for UAT
- where <service> is either *ISIN* for OTC ISIN service or *UPI* for UPI service

4.2.2 Downloading the delta files via Wget

To download all delta files for a single day [e.g.: 20190602] use:

```
wget --user '<USER-EMAIL>' --password <PASSWORD> --no-parent -A records -r https://<env>.anna-dsb.com/Records/OTC-Products/Delta/<service>/2019/20190602/ --auth-no-challenge
```

To download only Rates delta file for a single day [e.g.: 20190602] use:

```
wget --user '<USER-EMAIL>' --password <PASSWORD> --no-parent -A "Rates*.records" -r https://<env>.anna-dsb.com/Records/OTC-Products/Delta/<service>/2019/20190602/Rates/ --auth-no-challenge
```

To download all Rates delta file for a specific month:

For months with 28 days (e.g. February 2018), use:

¹ <https://www.anna-dsb.com/operating-hours-and-holidays/>

² <https://www.anna-dsb.com/download/dsb-end-day-file-download/>

```
wget --user <USER-EMAIL> --password <PASSWORD> --no-parent -A "Rates-201802*.records" -r
https://<env>.anna-dsb.com/Records/OTC-
Products/Delta/<service>/2018/201802{0{1..9},{1,2}{0..8}}/Rates/ --auth-no-challenge
```

For months with 29 days (e.g. February 2020), use:

```
wget --user <USER-EMAIL> --password <PASSWORD> --no-parent -A "Rates-202002*.records" -r
https://<env>.anna-dsb.com/Records/OTC-
Products/Delta/<service>/2020/202002{0{1..9},{1,2}{0..9}}/Rates/ --auth-no-challenge
```

For months with 30 days (e.g. June 2019), use:

```
wget --user <USER-EMAIL> --password <PASSWORD> --no-parent -A "Rates-201906*.records" -r
https://<env>.anna-dsb.com/Records/OTC-
Products/Delta/<service>/2019/201906{0{1..9},{1,2}{0..9},30}/Rates/ --auth-no-challenge
```

For months with 31 days (e.g. July 2019), use:

```
wget --user <USER-EMAIL> --password <PASSWORD> --no-parent -A "Rates-201907*.records" -r
https://<env>.anna-dsb.com/Records/OTC-
Products/Delta/<service>/2019/201907{0{1..9},{1,2}{0..9},3{0,1}}/Rates/ --auth-no-challenge
```

4.2.3 Downloading the Weekly Snapshot files via Wget

To download the weekly snapshot files for a single day [e.g.: 20230108] use:

```
wget --user '<USER-EMAIL>' --password <PASSWORD> --no-parent -A records -r https://<env>.anna-
dsb.com/file-download/Records/OTC-Products/Snapshots/<service>/2023/20230108/ --auth-no-
challenge
```

To download only the Rates snapshot file for a single day [e.g.: 20230108] use:

```
wget --user '<USER-EMAIL>' --password <PASSWORD> --no-parent -A "Rates*.records" -r
https://<env>.anna-dsb.com/file-download/Records/OTC-
Products/Snapshots/<service>/2023/20230108/Rates/ --auth-no-challenge
```

To download all Rates snapshot files for a specific month:

For months with 28 days (e.g. February 2018), use:

```
wget --user <USER-EMAIL> --password <PASSWORD> --no-parent -A "Rates-201802*.records" -r
https://<env>.anna-dsb.com/file-download/Records/OTC-
Products/Snapshots/<service>/2018/201802{0{1..9},{1,2}{0..8}}/Rates/ --auth-no-challenge
```

For months with 29 days (e.g. February 2020), use:

```
wget --user <USER-EMAIL> --password <PASSWORD> --no-parent -A "Rates-202002*.records" -r
https://<env>.anna-dsb.com/file-download/Records/OTC-
Products/Snapshots/<service>/2020/202002{0{1..9},{1,2}{0..9}}/Rates/ --auth-no-challenge
```

For months with 30 days (e.g. June 2019), use:

```
wget --user <USER-EMAIL> --password <PASSWORD> --no-parent -A "Rates-201906*.records" -r  
https://<env>.anna-dsb.com/file-download/Records/OTC-  
Products/Snapshots/<service>/2019/201906{0{1..9},{1,2}{0..9},30}/Rates/ --auth-no-challenge
```

For months with 31 days (e.g. July 2019), use:

```
wget --user <USER-EMAIL> --password <PASSWORD> --no-parent -A "Rates-201907*.records" -r  
https://<env>.anna-dsb.com/file-download/Records/OTC-  
Products/Snapshots/<service>/2019/201907{0{1..9},{1,2}{0..9},3{0,1}}/Rates/ --auth-no-challenge
```