



## WSS-Online Plus

### Customisable master, event and price data via internet

The master, event and price data service WSS-Online Plus from Market Data & Analytics provides detailed securities related information. It has the same content as the existing WSS-Online internet front end and the WSS-Online application via HOST (3270 monitor) but offers an advanced search functionality, customisable screens and better usability. WSS-Online Plus can be accessed via the internet, a separate technology infrastructure is not necessary.

The service provides reference data (master, event and price data) for securities listed in Germany and abroad. The user friendly internet front end gives users direct access to real-time data from Deutsche Börse Group, to data from German trading floors as well as to daily data from data vendors WM Daten-service<sup>1</sup>, Exchange Data International and Thomson Reuters<sup>2</sup>.

#### Master and Event Data

PROPRIS® reference data from Deutsche Börse Group: Master data which is sourced from new issues processes as well as comprehensive event data (interest/dividend payments, redemptions, capital increases and conversions) is available immediately on WSS-Online Plus (in real-time) when published by Clearstream Banking Frankfurt.

In addition, master and event data from the WM Master File as well as event data from Exchange Data International is updated daily in WSS-Online Plus.

#### Price Data

For securities listed in Germany, information on closing prices (with time of origin and turnover per order book statistic) is available in addition to the real-time information.

The service includes:

- Tick-by-tick data (traded prices and turnover)
- High/low
- Open/close

Historical price and turnover data is available for all securities traded on German exchanges as well as German indices for the time period starting 3 January 1994.

As for foreign securities, WSS-Online Plus provides closing prices from the data vendor Thomson Reuters.

#### WSS-Online Plus Functionality

You can adapt WSS-Online Plus to your own processes. The system is easy to configure and offers the following advantages to support your working processes in an optimal way:

- Settings can be personalised:
  - Customisable search function
  - Customisable and well-arranged detail view
  - Search results can be exported to Excel
- Advanced instrument search (e.g. by ISIN/WKN/ticker symbol, name and many other criteria such as maturity, issuer)
- Detailed event search (e.g. ISIN/WKN/ticker symbol, event date, amendment date/time, type of event, product category, issuer)
- Clearly arranged structure based on tabs
- Different data sources can be compared
- Historical data versions can be compared to the most up to date version
- Watchlists to monitor master and event data alterations of your portfolios
- Exchange rates can be displayed
- Place of listing search
- Recurring searches can be saved

1) If a contract exists with WERTPAPIER-MITTEILUNGEN (WM). WM data shall be supplied on behalf of WM on the basis of a sub-contractor agreement with the publishing company Wertpapier-Mitteilungen Keppler, Lehmann GmbH & Co. KG.

2) The closing prices of foreign stock exchanges shall be supplied on behalf of Thomson Reuters (Markets) Deutschland GmbH.

## Development

The existing WSS-Online internet front end application will be available until the end of 2010 when it will be replaced by the new WSS-Online Plus. The established HOST connectivity will continue to be available. WSS-Online Plus will be enhanced on a regular basis.

Benefit from WSS-Online Plus. The data can serve as a basis for:

- Securities settlement
- Processing of corporate actions
- Collateral and risk management

## Related Products

The data provided via WSS-Online Plus is also available via Host notification(3270) and as a data feed via WSS Batch (price data) and PROPRIS (master and event data).

Are you interested in taking a closer look at WSS-Online Plus? Then please contact us:

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The screenshot shows the 'Instrument Search' window. It features a 'Sources' section with checkboxes for 'GDB (PROPRIS)', 'VM', and 'Clearstream - Basic Info'. Below this is the 'Search Criteria' section with various input fields: 'ISIN/NWKN/CC/Short Code', 'Custody/Settlement Currency', 'Depository Type' (with a dropdown menu), 'Status' (Active, Not yet active, Inactive), 'Publication Date from / to', 'Product Group' (with a dropdown menu), and 'Payment Agency'. There are also fields for 'Instrument Name', 'Quotation Unit', 'Country of Origin', 'Last Redemption Date from / to', 'Interest Rate % from / to', and 'Issuer Number'. A 'Predefined searches' section at the bottom includes a 'Stored searches' dropdown and a 'Show watch lists' button. At the very bottom are 'Search', 'Reset', 'Close', and 'Save search' buttons.

Search function

The screenshot shows the 'Detail view' of an instrument. It displays a table with columns for 'Instrument Long Name', 'Programme', 'Reverse Contract Code', 'Safe Custody', 'Emissions', 'CCP', 'Legislation', 'Options', and 'Status'. The table contains multiple rows of data for different instruments, including details like 'ISIN', 'Programme', 'Reverse Contract Code', 'Safe Custody', 'Emissions', 'CCP', 'Legislation', 'Options', and 'Status'. The table is organized into sections: 'Emissions', 'CCP', 'Legislation', 'Options', and 'Status'.

Detail view