

User Guide for Structured Product Information on the HKEX website

(Updated – September 2020)

As part of HKEX's commitment to enhancing the investors' understanding of structured products (SPs), SP-related information is provided and centralized on the HKEX website. It covers basic terms and technical data (i.e. implied volatility, delta) of the structured products, trading information, issuers' information and educational materials. The provided features (e.g. search and download functions) help investors access the required information in a more efficient and convenient manner. In addition, SP-related information in both English and Chinese is also available where applicable. Data are generally updated once daily after market close and are provided for educational and reference purposes only. Below is a summary of information and tools that are available for access.

The following structured products are currently available for listing and trading on the equity market of HKEX:

- Derivative Warrants (DW)
- Callable Bull/Bear Contracts (CBBC)
- Inline Warrants (IW)

Structured Product Information

1. Product Search

A search function is available to allow quick comparison of structured products with similar terms. Product type has to be specified first, and the search page of the corresponding product type will be displayed at the lower part of the webpage. You can specify one or more basic terms, such as underlying asset, issuer, type, listing date, maturity date, strike, implied volatility, call level (CBBC only), etc. A list of corresponding structured products with similar terms will then be generated for comparison. After the list is generated, you can sort it by issuer, maturity date, strike, etc. In addition, you can access to the following information for each structured product by clicking the stock code:

- Structured Product Summary

This table provides the basic information about a structured product including its underlying asset, issuer name, style, type, issue price, strike, launch date, listing date,

maturity date, Mandatory Call Event (CBBC only), entitlement ratio, board lot size, total issue size, trading currency and liquidity provider information. Day-end delta (DW and IW only), implied volatility (DW and IW only) and the percentage of the structured product out in the market will also be available. In addition, you can link to the listing documents (including Base Listing Document and Supplemental Listing Document and other announcements) related to the structured product, information on further issue (if applicable), and the relevant options information (if applicable) (DW and IW only).

- Link to Base Listing Document

This function provides you with a list of base listing documents published by issuers within 12 months prior to the listing of that structured product. Based on the issuer name provided in the Structured Product Summary, you can then select the appropriate documents from the list. Alternatively, to search for a specific base listing document, you can refer to the supplemental listing document of that structured product (see below) to find out the publishing date of the base listing document, and then input the publishing date and select the Headline Category, “Debt and Structured Products >> Derivative Warrants (DW) / Callable Bull/Bear Contracts (CBBC) >> Base Listing Document - DW / CBBC”, under the Title Search of the HKEXnews website.

- Link to Supplemental Listing Documents and Announcements

This function provides you with a list of all supplemental listing documents and announcements published by issuers starting from the launch date of that structured product up to the current date.

- Link to Further Issue

This function provides re-issuance information of the selected structured product, if any, including stock code, name, issuer, underlying, call/put (DW only), bull/bear (CBBC only), listing date, issue price, initial issue size and subsequent issue size.

- Link to relevant Options Information (DW and IW only)

This function links to the daily market report of the Exchange traded options (i.e. stock options or index options) which has the same underlying of the selected DW or IW. The

daily market report contains information on trading volume, open interest and implied volatility of the Exchange traded options.

2. New and Expiring Products

- Newly launched but not yet listed products
- Newly listed products in the past month

Each list provides the newly issued structured product information including its stock code, name, issuer, underlying, call/put (DW only), bull/bear (CBBC only), board lot, strike level, call level (CBBC only), entitlement ratio, total issue size, launch date, listing date and effective dates for clearing and settlement arrangements. It also allows users to download the lists in Excel-like format. In addition, you can link to the Structured Product Summary of each structured product by clicking the stock code or name.

- Products with further issuance

The list provides structured product information including stock code, name, issuer, underlying, call/put (DW only), bull/bear (CBBC only), listing date, issue price and issue size of each further issue. It also allows users to download the lists in Excel-like format. In addition, you can link to the Structured Product Summary of each structured product by clicking the stock code or name.

- Products to be expired in the coming month
- Products expired in the past month

Each list provides expiring information on structured product including stock code, name, issuer, underlying, call/put (DW only), bull/bear (CBBC only), strike level, call level (CBBC only), last trading date, maturity date and effective dates for clearing and settlement arrangements. It also allows users to download the lists in Excel-like format. In addition, you can link to the Structured Product Summary of each structured product by clicking the stock code or name.

- List of CBBC with Mandatory Call Event Occurred Today (MCE Time)
- List of CBBC with Mandatory Call Event Occurred Today

- List of CBBC with Mandatory Call Event Occurred in the past 12 months

Each list provides early expired CBBCs that were called by the issuers because the price of the underlying asset reached the call level. Information of the first list provides early expired CBBCs of the current day which includes CBBC code, name, issuer and MCE time. Information of the other two lists includes CBBC code, name, underlying, bull/bear, strike level, call level, listing date and last trading date. These two lists are available for download.

3. Trading Information and Historical Data

The section provides trading information and historical data of structured products.

- Stock codes and naming conventions

It shows the stock code allocation plan of structured products, including the ranges and sub-ranges of stock codes to be allocated for new listing of structured products, and the naming conventions of stock short name for structured products.

- Latest news

It shows the latest issuer documents submitted by the structured product issuers on the current day.

- Pre-listing trading summary

It shows dealings by the issuer and its related companies in the structured product between the date of launch and the start of dealing in that issue on the Exchange.

- Daily trading summary

The summary report is filed daily by issuers showing the aggregate sales and purchases of each structured product, related average prices and the total amount of that issue in the market, the total issue size and the percentage of that issue still out in the market.

- Manual transaction for the day

It shows the trade information of each structured product on transactions not concluded by automatic order matching through the trading system for the securities market.

- Products with change in stock short names in current two weeks

It provides the change in stock short name, including original stock short name, new stock short name and effective date, in the current two weeks.

- Historical data by single product

User will be able to download the historical data for a single structured product by specifying the stock code and the trading period within the past 12 months. If more than one structured product is found, all structured products with the same stock code will be listed for selection.

- Historical data by month for all products

User will be able to select and download the historical data by month for all structured products for the recent 12 months. User will be able to base on the downloaded Excel file to identify the structured product in the market on any particular trading day as well as information on the structured product.

Historical data are available for download. Information on delisting date is also available in the historical data. It is in general equal to the next trading day following the maturity date.

4. Eligible Underlying Assets

The section provides the following information:

- Eligible single Hong Kong stocks by product issuance in current quarter

It provides the latest list of stocks that are listed on the Exchange, which are eligible as underlying securities for structured products issued over a single class of shares. The list will generally be published at approximately quarterly intervals.

- Eligible single Hong Kong stocks by product issuance in previous quarter

It provides the previous list of stocks that are listed on the Exchange, which are eligible as underlying securities for structured products issued over a single class of shares. The lists will generally be published at approximately quarterly intervals.

- List of other underlying assets (except Hong Kong stocks)

The list provides underlying assets (except Hong Kong stocks) over which structured products are issued.

5. Issuer and Liquidity Provider Information

Issuer and liquidity provider information will be given in this section.

- Hyperlinks to Issuers

This section provides the contact information of issuers, including the telephone numbers, website address and email account.

- Issuers Credit Rating

It provides the information on issuers' current credit ratings awarded by the Exchange recognized rating agencies, (i) Moody's; and (ii) Standard and Poor's (S&P). The information will generally be updated after market close when there is a change of credit rating notified by the issuer. Users should refer to real-time information services for the latest ratings.

- Liquidity Provider Information – Derivative Warrants

This report provides the liquidity provider information of each DW, including issuer name, liquidity provider broker number, liquidity provider name and telephone number for quote request, currently traded on the Exchange.

- Liquidity Provider Information – CBBCs

This report provides the liquidity provider information of each CBBC, including issuer name, liquidity provider broker number, liquidity provider name and telephone number for quote request, currently traded on the Exchange.

- Liquidity Provider Information – Inline Warrants

This report provides the liquidity provider information of each IW, including issuer name, liquidity provider broker number, liquidity provider name and telephone number for quote request, currently traded on the Exchange.

- Industry Principles on Liquidity Provision for Listed Structured Products

These are industry principles intended to encourage improved market conduct and the development of consistently high standards across the listed structured products' industry.

6. Industry Frequently Asked Questions on Issuers' Websites

These FAQs will give investors a better understanding of structured products listed in Hong Kong. They include examples and quick facts about some of their key features and risks, as well as some information about how they work in practice.

7. Derivative Warrants Pricing Calculation

This section explains the factors affecting the price of a warrant together with an example on calculation of theoretical price of warrant by linking to the Options / Warrants Calculator on the HKEX website. Users will be able to input different variables and find out how the theoretical value may vary with changes to the variable for educational purpose. In addition, it provides a link to Options Education in which user will be able to learn more about the basic concepts on options.

8. List of Structured Products

- List of Structured Products

The hyperlink will direct you to the webpage where you could refer to the market data of structured products currently traded on the Exchange.

- List of Structured Products Meeting Active Quote Criteria

It is a historical list of structure products meeting Active Quote criteria prepared based on the Daily Trading Summary submitted by issuers for the previous trade date.

9. Quick links

The following useful links are available for educational information and reference.

- Options Education
- HKEX Listing Rule (Main Board) – Chapter 15A Structured Products
- SFC Investor Education Portal

10. Frequently Asked Questions

This section provides a list of frequently asked questions together with the responses in relation to structured product related issues.

11. Related Download

This section provides monthly highlights and market overview of structured products.