

Form of Statement of Work Number 111

TRKD Markit On Demand Hosting Fee

This Statement of Work ("SOW") shall be effective on the date of execution by Refinitiv Canada Holdings Limited below and is pursuant to the Master Services Agreement entered into by and between Refinitiv Limited (fka Reuters Limited) ("Refinitiv") and Markit On Demand ("MOD"), formerly known Wall Street On Demand, Inc., as of March 7, 2003 (the "Agreement"). The Agreement is incorporated herein by this reference. To the extent that there is any conflict between the terms of the Agreement and the terms of this SOW, this SOW shall control. Capitalized terms used herein without definition shall have the meanings assigned to such terms in the Agreement.

1. Name of Person for which MOD will provide Thomson Reuters Knowledge Direct content for hereunder (this will either be a member of the Refinitiv Group or a Refinitiv client, for purposes hereof, referred to in either case as the "Client"):

Canadian Imperial Bank of Commerce (CIBC)

2. Contact Information for the Client:

Canadian Imperial Bank of Commerce
Commerce Court 199 Bay Street
Toronto, Ontario M5L 1A2
Canada

3. List all applicable contracts in place between Refinitiv and Client. For each such contract list:

Title of Contracts:

a. Title of Contracts: Thomson Reuters Knowledge Direct for Wealth Management Combined Retail/Non-Retail RSC Order Form

b. Term of Contract: Three Years, beginning on the Commencement Date of Sept 20, 2015

c. Any automatic renewal provision in Contracts: Standard one-year automatic renewal unless terminated with 90 days' notice.

4. List all applicable terms under this SOW:

a. Term: This SOW shall commence on July 12, 2019 and remain in effect for eighteen (18) months ("Initial Term").

b. Any automatic renewal provision: The Initial Term shall renew for successive renewal terms of one (1) year each, unless either party notifies the other in writing of its decision not to renew the term no later than sixty (60) days prior to the expiration of the then current term.

If MOD will be hosting Refinitiv data on behalf of Client describe:

i. the Thomson Reuters data to be hosted:

ii. Exchanges (delayed/consolidated): TSX, TSX-V, NYSE, NASDAQ, CDN Mutual Fund Prices

iii. Indices (delayed): S&P/TSX Composite, TSX Venture, DOW, S&P 500 Index, NASDAQ Composite, NYSE Composite, AMEX Composite

iv. Exchange data is included

v. Client's permitted usage of the Thomson Reuters data outside of Deliverables below: N/A

5. Description of Deliverables:

Markit on Demand (MOD) will provide the following services to Client:

- i) Licensing (or sublicensing, as applicable) of the HTML5 charts for use by Client in accordance with the terms of the Refinitiv client Agreement
- ii) Hosting of the HTML5 charts.
- iii) Development Services relating to the HTML5 charts described in this Order Form.
- iv) Reports Service: Markit on Demand ("MOD") will provide the Reports Service to the Client as subcontractor of Refinitiv.
- v) Services under this Order Form may be provided to Client by TR subcontractor MOD, for whom Refinitiv is responsible as prime contractor in accordance with the terms of the Agreement.

MOD will deliver HTML5 charts to Client. Description of chart offering is shown below.

HTML5 Charts

1.1.1. General Features

All features up to Chartworks Release v1.4.8 and not limited to General Features listed below. Any new General Features that are added to the charting package will be available to clients at no additional cost.

- Full HTML5 chart documentation
- Panning and zooming of all chart data (including all indicators)
- Dynamic backfilling of data when panning and zooming (including all indicators)
- Smart dynamic X and Y axis labels while panning and zooming
- Responsive Breakpoints
- Look and feel customization of Chartworks product
- Saving and Loading of Charts
- Saving and Loading of Chart Templates
- Language English and French (Canada)
- Symbol Comparison
- Ability to apply multiple Upper/Lower Indicators at a time
 - Ability to apply the same indicator more than once on a chart
- Persistent Chart settings
- Accessibility features

1.1.2. Upper Indicators & Inputs

All Upper Indicators up to Chartworks Release v1.4.8 and not limited to indicators listed below. Any new upper indicators that are added to the charting package will be available to clients at no additional cost.

- Bollinger Bands
 - Period: 20 as default, editable by end user
 - Standard Deviation: 2 as default, editable by end user
- Exponential Moving Average (EMA)
 - Period: 20 as default, editable by end user
- Linear Regression
- Moving Average Envelope
 - Period: 20 as default, editable by end user
 - Percent Upper/Lower: 5 is default, editable by end user
- Price Channel
 - Period: 20 as default, editable by end user
- Parabolic Stop and Reversal (PSAR)

- Acceleration Increase: 0.02 as default, editable by end user
 - Acceleration Maximum: 0.02 as default, editable by end user
- Simple Moving Average (SMA)
 - Period: 20 as default, editable by end user
- Time Series Forecast
 - Period: 20 as default, editable by end user
- Weighted Moving Average (WMA)
 - Period: 20 as default, editable by end user

1.1.3. Lower Indicators & Inputs

All Lower Indicators up to Chartworks Release v1.4.8 and not limited to indicators listed below. Any new lower indicators that are added to the charting package will be available to clients at no additional cost.

- Accumulation Distribution Line
- Average True Range
 - Period: 14 as default, editable by end user
- Chalkin's Volatility
 - EMA Period: 10 as default, editable by end user
 - Difference Period: 10 as default, editable by end user
- Dividend Yield
- Directional Movement Index (DMI)
 - Period: 14 as default, editable by end user
- Moving Average Convergence Divergence (MACD)
 - Fast Points: 12 as default, editable by end user
 - Slow Points: 26 as default, editable by end user
 - Smoothing: 9 as default, editable by end user
- Mass Index
 - Period: 25 as default, editable by end user
- Momentum
 - Period: 20 as default, editable by end user
- Money Flow
- Money Flow Index (with Overbought/Oversold bands)
 - Period: 14 as default, editable by end user
- On Balance Volume
- Price Rate of Change (PROC)
 - Period: 14 as default, editable by end user
- Historical Dividend
- Relative Strength Index (RSI) (with Overbought/Oversold bands)
 - Period: 14 as default, editable by end user
- Fast Stochastics
 - K Period: 14 as default, editable by end user
 - D Period: 3 as default, editable by end user
- Slow Stochastics
 - K Period: 14 as default, editable by end user
 - D Period: 3 as default, editable by end user
- Ultimate Oscillator
 - Period 1: 7 as default, editable by end user
 - Period 2: 14 as default, editable by end user
 - Period 3: 28 as default, editable by end user
 - Factor 1: 4 as default, editable by end user
 - Factor 2: 2 as default, editable by end user
 - Factor 3: 1 as default, editable by end user

- Volume (single color)
- Volume (positive/negative colored)
- Volume Rate of Change (VROC)
 - Period: 10 as default, editable by end user
- Williams %R
 - Period: 14 as default, editable by end user

1.1.4. Events

Events are displayed as markers on the chart and on rollover show additional information listed below. Any Events that are added to the charting package will be available to clients at no additional cost.

- Splits
 - Split Date
 - Ratio of split
- Dividends (based on ex-date)
 - Dividend date
 - Dividend amount
- Custom Events

1.1.5. Chart Timeframes & Frequencies

- 1 Day
 - 1 minute
 - 3 minute (default)
 - 5 minute
 - 15 minute
 - 1 hour
- 5 Day
 - 1 minute
 - 3 minute
 - 5 minute (default)
 - 15 minute
 - 1 hour
- 1 Month
 - Daily (default)
 - Weekly
- 3 Month
 - Daily (default)
 - Weekly
- 6 Month
 - Daily (default)
 - Weekly
 - Monthly
- Year to date
 - Daily (default)
 - Weekly
 - Monthly
- 1 Year
 - Daily (default)
 - Weekly
 - Monthly
- 3 Year
 - Daily

- Weekly (default)
 - Monthly
- 5 Year
 - Daily
 - Weekly (default)
 - Monthly
- 10 Year
 - Daily
 - Weekly
 - Monthly (default)
- Max Timeframe

1.1.6. Extensive Drawing and Annotation tools

All Drawing and Annotation tools up to Chartworks Release v1.4.8 and not limited to style listed below. Any Drawing and Annotation tools that are added to the charting package will be available to clients at no additional cost.

- Text on chart
- Trend Line
- Horizontal Trend Line
- Ray
- Arrow Line
- Extended Line
- Ellipse
- Rectangle
- Fibonacci Retracement
- Fibonacci Arc
- Fibonacci Circle
- Gann Fan

1.1.7. Chart Style

All Chart Style up to Chartworks Release v1.4.8 and not limited to style listed below. Any Chart Style that are added to the charting package will be available to clients at no additional cost.

- Area
- OHLC
- HLC
- Candlestick
- Line
- Bar
- Dot

1.1.8. Sharing 'live' charts

1.1.9. Chart Comparison features and Input

- Compare with symbol by Input
- Compare with Exchange Indices

1.1.10. Browser Support

Desktop & Mobile Browser

- Internet Explorer 10+
- Chrome

- Firefox
- Safari

Authentication

Client and MOD shall use JSON Web Token (JWT) authentication method.

Symbol Set

Client and MOD shall use the following symbol set for communication. If Client wishes to use an integrated 3rd party symbol set already integrated with MOD's systems, written proof must be provided to MOD that the Client has sufficient agreements in place with the 3rd party symbol provider.

Symbol Set
Existing Symbol Set within MOD XRef
Name of symbol set: "CIBC" symbol set with Country Code

Web Analytics Reporting

MOD will provide its standard web analytics reporting package when MOD Services are running in production.

Service Levels

See Appendix A – SLA

8. Fees and Invoicing:

- One time Fees: N/A
- Monthly Fees: \$5,500 USD

AGREED:

Reffinitiv Canada Holdings Limited

By: [Signature]

Name: LISA ROWSELL

Title: HEAD OF CANADA

Date: OCT 3, 2019

Markit On Demand

By: [Signature]

Name: Catherine Allegro

Title: SVP - Markit Digital

Date: 9/20/19