

Order No. 16 - Consolidated Order for Current and Existing Services ("Order").

Supplier: Markit on Demand, Inc.

Bank: Commonwealth Bank of Australia.

1. Order 16

1.1. Supply of digital services as listed under Annex 1 attached hereunder.

The supply of the Services by Supplier, under this Order is governed by the Master As-a-Service Agreement dated 25 February 2013 ("**Master**"). The parties agree that this Order replaces and supersedes all the existing Orders No. 1 to 14 including any subsequent Change Requests to any such Orders and related Statement of Works in relation to digital services entered into between the parties up until the Order Commencement Date. For the avoidance of doubt, any outstanding fees due or claims arising and subsisting up until the Order Commencement Date shall survive such replacement.

1.2. Term

This Order commences on Effective Date and will continue for an initial term of eighteen (18) months ("**Initial Term**"). The parties may further extend the Initial Term of this Order for an additional period of up to twelve (12) months (each a "**Renewal Term**") by written agreement between the parties ninety days prior to the expiration of then current term.

1.2.1. For the purpose of this Order, Term means any Initial Term and any subsequent Renewal Terms thereof.

2. Definitions

Effective Date means the date on which this Order is executed by the parties and if on different dates, the date the Bank executes this Order.

Retainer Team means the team of Supplier employees, provide to the Bank for design and development of the Bank's digital properties.

Launch Date means the date upon which the Developed Software is made available in Supplier's production environment for access by the Bank.

Developed Software means Customised Solutions provided by Supplier to the Bank under this Order.

3. Scope

3.1. Services

Annex 1 sets out the Services the Supplier has agreed to supply to the Bank.

3.2. Specifications

3.2.1 Supplier and Bank shall agree upon requirements prior to commencing work which will be documented in the agreed upon system (e.g. JIRA board).

3.2.2 Requirements may include (but are not limited to) functional and non-functional specifications for new features, feeds, and/or user experiences to be delivered by the Retainer Team as agreed between the parties prior to work commencing wherever possible.

4. Customised Solution

Supplier will continue to maintain, support, and host the Services listed in Annex 1.

In addition, Supplier will utilise Retainer Team to develop new features and features sets as determined by the Bank, across the (i) "CommSec," website, (ii) mobile applications including the CommSec Mobile app and CommSec Pocket, (iii) marketing materials and (iv) application programming interfaces (APIs) both accessed directly from CommSec hosted websites and mobile applications including the CommSec Mobile app and CommSec pocket and the direct server to server transmission (hereinafter referred to as "B2B APIs") as applicable. Any features or additional services provided by Supplier to be accessed by additional channels other than those listed above, may be provided by the supplier at an additional Hosting and Management Fees.

Any development of new features-sets not currently listed under either Annex 1 or Annex 2 shall be provided by the Supplier at an additional Hosting & Management Fees. As agreed between the parties, adding any additional exchanges listed under Annex 2 will be charged in accordance with section 6.3 of this Order.

5. Delivery and Acceptance

5.1. Delivery

5.1.1 The Customised Solution releases to the Services, as outlined in Annex 1, completed by the Retainer Team which carry no additional monthly Hosting & Management Fees, will follow the steps below:

- i) Supplier's development teams will peer review the work completed.
- ii) Supplier's testing team will review and test the new features being delivered.
- iii) Supplier will also regression test the services provided to Bank to ensure new deliveries do not adversely impact existing features.
- iv) Bank will provide Acceptance within the agreed system (e.g. Jira board) and following the timeframe and processes set out in section 5.2 below.

5.1.2 The Customised Solution will be delivered by the Supplier using Agile methodology and will conduct the following ceremonies/tasks in the delivery process.

- i) User story: user stories/ticket requirements will be written by either the Supplier or Bank and agreed upon prior to work commencing to define the minimum piece of deliverable software that is of value to the Bank.
- ii) Backlog grooming/story elaboration: the parties will agree upon the prioritisation of the list of outstanding user stories, bugs and features which are ready for development and Supplier will allocate story points based on complexity of effort.
- iii) Sprint planning: the parties will prioritise the backlog for the upcoming sprint and discuss future roadmap work.
- iv) Delivery and coding: Supplier will complete the required coding to be delivered into a pre-production environment.
- v) Testing: the parties will perform acceptance test in accordance with Section 8 hereunder.
- vi) Release management: the parties will agree upon a schedule/time frame and roll-back procedures where applicable for deployment into Bank production environment. At the agreed upon time, the Supplier will deploy approved work into the production

environment. Business verification testing in the production environment will be performed by both parties and the Bank will provide confirmation that the release is completed.

5.2. Acceptance

- 5.2.1 The Customised Solution releases to the Services, as outlined in Annex 2 and / or those completed by the Retainer Team at an additional monthly Hosting & Management Fees, will follow these steps
- 5.2.2 For those Services listed in Annex 2, or any other which carry additional Hosting & Management Fees, commencing on the Launch Date (defined as when project functionality is moved to a Supplier's production environment) or as otherwise agreed by the parties in writing, the Bank shall conduct testing on the Customized Solution within five (5) business days (the "**Acceptance Period**"). Within the Acceptance Period, Bank shall provide written notice of acceptance or rejection. In the event Bank rejects any part of the Customized Solution, bank shall provide adequate explanation regarding the material defects. If Bank fails to provide written notice of rejection within the Acceptance Period, Supplier may deem the Customized Solution accepted. The date upon which the Bank accepts the Customized Solution, or the Customized Solution has been deemed accepted, shall be referred to as the "Acceptance Date."

5.3. Time is of the essence

N/A for this Order

5.4. Milestones and Critical Milestones

N/A for this Order

5.5. Service Levels and Service Credits

- 5.5.1 Uptime Requirement: Supplier will ensure that the Customized Solution will be available at least 99.9% of the time as measured over each calendar month during the Term ("**Uptime Requirement**").
- 5.5.2 Monitoring Approach: Supplier will choose one or more pages of the Customized Solution to monitor in order to determine Uptime. Page selections will be reviewed with the Bank to ensure appropriateness. Each page will be monitored continuously from more than one location outside of Supplier's network on a round-robin basis at least once per minute. A page fails a monitoring test if two monitoring locations fail to access a page in two successive tries from each monitoring location.
- 5.5.3 Uptime Calculation: Uptime will be calculated at the end of each month based on data provided by Supplier's external monitoring provider. A page will be considered to be unavailable from the time of the first failure until the first subsequent success. All such intervals will be reviewed and validated by Supplier. Uptime will then be calculated as the sum of all periods during which the page was available during the calendar month, divided by the total time in the month. One percentage will be calculated per month. Scheduled Maintenance as described in Section 5.8 below shall not be included for purposes of calculating Uptime.

5.5.4 Exclusions: Any failure due to an outage of a Third Party will be excluded from the Uptime calculation.

5.6. Response Time Requirement:

Supplier will ensure that the Customized Solution meets specific targets as set forth below (“**Response Time Requirement**”).

- 5.6.1 Supplier's Monitoring Approach: Each request will be continuously monitored from more than one location outside of Supplier's network on a round-robin basis at least once per minute. Response time will be recorded by Supplier's external monitoring provider (e.g. DOTCOM). Response times will not be considered for failures, as failures are addressed by the Uptime Requirement.
- 5.6.2 Bank's Monitoring Approach: Agreed upon pages, as defined in table below, will be monitored by independent third-party monitoring provider, such as Keynote, from more than one location outside of Supplier's network on a round-robin basis at least once every five minutes. A page fails a monitoring test if two monitoring locations fail to access a page in two successive tries from each monitoring location. Bank shall be responsible for contracting with the third-party monitoring provider (e.g. Keynote) to monitor the pages and shall facilitate the delivery of the raw data to Supplier for reporting purposes. In the event that there is any disagreement between Supplier and the Bank regarding the results of the monitoring, the Bank shall require the third-party monitoring provider to provide Supplier with access to all relevant data.
- 5.6.3 Response Time Calculation: Response Time will be calculated at the end of each month based on data provided by Supplier's external monitoring provider. The percentage of requests that satisfy the Response Time Requirement shall be the number that completed in less than the associated target time divided by the total number of requests that completed successfully. One percentage will be calculated for each request during the month.
- 5.6.4 Exclusions: Any impact due to a Third Party will be excluded from the Response Time Requirement calculation. Compliance with the Response Time Requirement shall not be required during any Scheduled Maintenance period as described in Section 5.8 below.
- 5.6.5 Credits: If, in any calendar month during the Term, Supplier falls below the Response Time Requirement, then without limiting any other right or remedy to which Bank may be entitled as a result of such Response Time, whether under this Agreement, at law or in equity, Supplier will grant the Bank a proportional credit for that month based on Section 5.10 below.

Customised Solution	Greater than 99.0% of requests respond within	Method of Measurement
Announcements API	<2 seconds	Supplier's monitoring provider
Charting (APIs, SDK, HTML5)	<2 seconds	Supplier's monitoring provider
User Authentication (getToken)	<3 seconds	Supplier's monitoring provider

Pages	Full page download times (Daily average, excluding cache)	Method of Measurement
Company summary page: quote, chart, news feed, research recommendation summary Markets: Indices performance, index and sector performance, company most actives, economic new/events Ticker search	<4.0 seconds	Bank's monitoring provider
Financials News & Research Trading Ideas Economic Calendar Sectors	<4.2 seconds	Bank's monitoring provider
Tools-Stock Screener Interactive Charts Technical Analysis Tools, including charts and news & research overlays on charts	<8 seconds	Bank's monitoring provider
Alerts: Create Alerts: About	<4.2 seconds	Bank's monitoring provider
Alerts: Manage Alerts: History	<8 seconds	Bank's monitoring provider

5.7. Reporting

- 5.7.1 Supplier will provide regular reporting detailing Uptime for the Customized Solution.
- 5.7.2 Supplier will provide detailed reporting for all Sev 1 – Total Outage or Sev 2 – Major Outage Incidents, including a summary of the Incident and its impact, chronology of actions taken, time to resolution, lessons learned, and opportunities for improvement. Such report will be delivered to Bank within five (5) business days of the resolution of the Incident.

5.8. Maintenance

5.8.1 Supplier will give Bank at least five (5) business days prior notice (email to suffice) of any Scheduled Maintenance. Scheduled Maintenance whereby the availability of the Customized Solution is impacted shall occur no more often than once per month, Scheduled Maintenance shall not be included for purposes of calculating Uptime.

5.8.2 Supplier may perform additional unscheduled maintenance as necessary to support the delivery of the Customized Solution. Bank will be notified of such maintenance as far in advance as practical. Supplier will endeavour to perform additional maintenance activities in such a way as to minimize impact to Uptime. The impact on Uptime as a result of such unscheduled maintenance shall be included for purposes of calculating Uptime.

5.9. Priority Assignment and Service Levels

Incident Severity Determination

Priority	Definition	Response Time	Response Action
Priority 1 "Critical Defect"	A Defect which causes a critical service impact and/or a critical part of the Service is not available or not working correctly.	10 minutes	<p>The Supplier will immediately commence continual problem resolution using best endeavours to isolate and diagnose the Defect.</p> <p>Within 30 minutes the Supplier will provide the Bank with an evaluation of the Defect and a plan to resolve it.</p> <p>The plan will include timeframes required to effect a work-around and/or permanent resolution.</p> <ul style="list-style-type: none"> • The timeframes set out in the plan must be acceptable to the Bank. • As a minimum, the Supplier must effect a work-around within 4 hours of the initial call to the Supplier's helpdesk. • The Supplier will implement the agreed plan and continue work until either: <ol style="list-style-type: none"> 1. permanent resolution is effected; or 2. a work-around is effected and, upon agreement by the technical representatives of both parties (acting reasonably), the problem is downgraded.

Priority 2 "Significant Defect"	A Defect affects normal operation or service quality of the Service and/or prevents or inhibits the Bank's Use of the Service.	30 minutes	<ul style="list-style-type: none"> • The Supplier will commence problem resolution using best endeavours to isolate and diagnose the Defect. • Within 2 hours the Supplier will provide the Bank with an evaluation of the Defect and a plan to resolve it. • The plan will include time-frames required to effect a work-around and/or permanent resolution. • The time-frames set out in the plan must be acceptable to the Bank. • As a minimum, the Supplier must effect a work-around within 8 hours of the initial call to the Supplier's helpdesk. • The Supplier will implement the agreed plan and continue work until either: <ol style="list-style-type: none"> 1. permanent resolution is effected; or 2. a work-around is effected and, upon agreement by the technical representatives of both parties (acting reasonably), the problem is downgraded.
Priority 3 "Low-impact Defect"	A minor Defect that does not affect normal operation or service quality of the Service, or an error in the documentation, or a technical inquiry.	2 hours	<ul style="list-style-type: none"> • The Supplier will commence problem resolution using reasonable endeavours to isolate and diagnose the Defect, or assess the error in the Documentation or answer the inquiry, as the case may be. • In the case of a Defect, within 24 hours the Supplier will provide the Bank with an evaluation of the Defect and a plan to resolve it. The plan will include time-frames required to effect a work-around and/or permanent resolution. The time-frames set out in the plan must be acceptable to the Bank. As a minimum, the Supplier must effect a work-around within 120 hours of the initial call to the Supplier's helpdesk. The Supplier will implement the agreed plan and continue work until permanent resolution is effected. • In the case of an error in the Documentation, within 24 hours the Supplier will clarify the error and, if applicable, provide the Bank with the corrected information. • In the case of an inquiry, within 24 hours the Supplier will answer the inquiry to the satisfaction of the Bank.

5.10. Service Credits

5.10.1 If the Supplier fails to meet a specified combination of Service Levels as defined below in any calendar month, then without limiting any other right or remedy, the Bank will be entitled to Service Credits for that calendar month.

- 5.10.2 At the commencement of each calendar month the Supplier must provide a report (a **Service Level Report**) to the Bank reporting on all failures to comply with the Service Levels in the previous month and indicating the total amount of Service Credits for that month.

Service Credits will be credited to the Bank in accordance with clause 5.10. of the Agreement.

- 5.10.3 The amount of Service Credit payable by the Supplier to the Bank in any particular month is based on an amount of money deemed to be at risk (the **At-Risk Amount**). The total At-Risk Amount equals the greater of:

- 5.10.3.1 20% of the Hosting & Management Fees paid or payable by the Bank under Order in the then-current Year; or USD \$16,000

- 5.10.4 The Service Level failures that give rise to Service Credits and the associated Service Credit amounts are:

- 5.10.4.1 for any two breaches of timeframes defined in paragraphs 5.5 and 5.6 during a calendar month the Supplier will credit the Bank with 20% of the At-Risk Amount;
- 5.10.4.2 for any three breaches of timeframes defined in paragraphs 5.5 and 5.6 during a calendar month the Supplier will credit the Bank with 40% of the At-Risk Amount;
- 5.10.4.3 for any four breaches of timeframes defined in paragraphs 5.5 and 5.6 during a calendar month the Supplier will credit the Bank with 60% of the At-Risk Amount; or
- 5.10.4.4 for any five breaches of timeframes defined in paragraphs 5.5 and 5.6 during a calendar month the Supplier will credit the Bank with 80% of the At-Risk Amount.

- 5.10.5 The Service Level failures set out in paragraph (d) pertain only to the calendar month in which they occur. For the avoidance of doubt they cannot be counted from one calendar month to another.

- 5.10.6 Service Credits are a reduction in the amounts payable by the Bank in respect of the Services and do not include GST. If a Service Credit applies in respect of Services for which the Bank has already paid the Supplier, the Supplier will pay to the Bank an amount equal to the Service Credit, together with the amount representing the overpaid GST in accordance with Section 17 of the Master.

6. Charges

- 6.1. As of Effective Date the cumulative service fees shall be a total of \$156,500 USD per month inclusive of (b) Hosting & Management Fees, (c) Retainer Team Fees which includes a team of four (4) full time equivalents (FTEs).

The breakdown of fees is as follows:

- 6.1.1 Hosting & Management for this service includes the ongoing hosting and support of the services outlined in Annex 1 to the levels as defined in section 5.5 and measured as defined in section 5.7. Additionally, these services can be upgraded as agreed between the parties and built by the Retainer Team (as defined in section 4.0) whereupon the parties have agreed no increased fees apply. These fees include licensing for Supplier's proprietary software and systems at \$80,000 USD per month.

- 6.2. A Retainer Team of 4 FTEs is provided for new solution delivery and maintenance and will cost \$76,500 USD per month. Upon mutual agreement, detailed requirements from CommSec, previously supplied full time ("FT") resource sizing from Supplier, and with a minimum notice of forty-five (45) days in advance, CommSec may elect to increase the monthly retained capacity. CommSec agrees that Services provided by this flex capacity will be discreet, project specific and assigned in increments of 0.50 FT resources based on the Service Providers accepted initial estimations. The fees will be charged on a per FT resource basis at US\$22,500/month per FTE.

- (a) After 22 April 2022, Bank may reduce the FTE team size to not less than two (2) FTEs, with no less than thirty (30) days' written notice to Supplier.
- (b) Reductions from the initial 4 FTE team will follow the rate schedule below:
 - Reducing the Retainer Team to three (3) FTEs, will reduce the Retainer Team fees to \$57,375 USD per month
 - Reducing the Retainer Team to two (2) FTEs will reduce the Retainer Team fees to \$38,250 USD per month

6.3. Bank's Hosting and Management Fees will increase by additional \$2,500 USD per exchange added and an additional \$1,250 USD for each additional exchange Alerts. Bank will be invoiced for new exchanges and alerts upon Bank Acceptance of such additional services. These fees are only valid for the Initial Term of this Order. Supplier reserves the right to adjust these fees in subsequent terms.

7. Support and Maintenance

7.1. Diagrammatic Explanation of Maintenance and Warranty Periods

Not Applicable

7.2. Support and Maintenance

- (a) Supplier will respond to any and all Incidents, requests for maintenance, support services escalations, or queries via its Tier 1 Support Center ("Tier 1") 24 hours a day, 7 days per week, 365 days per year. Tier 1 can be reached at MOD-NOC@ihsmarkit.com or +1.303.583.4308. Response to any escalation will be from a technical incident responder in the Tier 1 and not an automated reply.
- (b) Upon notice of any Incident related to any part of the services provided by Supplier to Bank, Tier 1 personnel will initiate the Incident Response procedure and provide the Supplier tracking ticket number within 15 minutes. Tier 1 will respond within 15 minutes of receiving notice of the Incident, regardless of severity level.
- (c) For all issues classified "Sev 1 – Total Outage" or "Sev 2 – Major Outage" as per Section 3.9, Tier 1 will contact an Incident Manager in conjunction with creating the initial tracking ticket. The Incident Manager will join the investigation within 15 minutes during Supplier's core support hours (24 hours a day, Monday through Friday, excluding holidays) and within 30 minutes otherwise (including weekends). The Incident Manager will provide Bank with proactive status updates via email or phone.
- (d) Supplier will respond to Incidents, requests for maintenance, support service escalations, or queries from Bank or approved representatives of Client only. Should an End User contact Supplier directly, Supplier will (i) instruct the End User to contact Client directly and (ii) request the Project Manager to follow up with Bank.

7.3. Support and Maintenance Fees

Not applicable

8. Approved Facilities and Approved Locations

- (a) Delivery Location: Supplier's data centres are located in Plano, Texas and Cincinnati, Ohio, and managed by NTT Data.
- (b) Delivery Team: Supplier's delivery teams are located in the following locations:
- i. Boulder, Colorado
 - ii. Noida, India
 - iii. Sydney, Australia

9. Bank Tasks

The Bank will, as a Bank Task, make available to the Supplier the following Facilities and Resources for the delivery and supply of the Services as defined in Annex 1.

Section reference for obligation dependent on performance of Bank Task	Bank Task Description (e.g. Bank to provide, perform, procure etc)
	Provision of and access to integrated environments, for testing purposes.
	Official acceptance of production deployments, as outlined in Section 3.2.

- 10. Disclaimer of Warranties.** Except as expressly set forth in the Master, there are no other warranties with respect to the Services provided by Supplier. Bank acknowledges that the Services may include the display of certain data or information obtained by Supplier from various sources which Supplier and Bank believe to be reliable, that transmission of such data and/or content is accomplished by communications facilities over which Supplier has no control, and that Supplier assumes no responsibility for such content or for outages or for interruptions of Service. Except as expressly set forth in this Order, Supplier and its subcontractors make no warranty or representation that the data and/or content displayed will be error free or be received by Supplier without interruption. Supplier and its subcontractors make, and Bank receives no other warranties whether express, implied, statutory, or otherwise arising from course of dealing or usage of trade, and Supplier expressly disclaims all other warranties, including the implied warranties of merchantability, non-infringement and fitness for a particular purpose.

- 11. Third Party Data.** Bank acknowledges that there are data and information available through the Services that have been provided by third parties ("**Third Party Data Suppliers**") for use by Bank as described in under this Order or as may be agreed by the parties from time to time ("**Third Party Data**").

11.1 Bank acknowledges and agrees that the Third-Party Data is made available by Supplier to Bank under the condition:


- (a) that from time-to-time Bank may be required, as a condition of access or continued access to the Third-Party Data, to enter into the necessary agreements with the relevant Third-Party Data Suppliers

or comply with the terms of any relevant Third-Party Data Suppliers. Bank agrees to abide by such terms and agrees to comply with any restrictions or conditions imposed by the Third-Party Data Supplier on the use, access, storage, or redistribution of the Third-Party Data; and

(b) third party terms must be explicitly notified to the Bank and agreed to in writing by the Bank. Such third-party terms may be amended by Third Party Data Suppliers from time to time and shall be binding on the Bank if agreed to in writing by the Bank.

Executed as an agreement.

Signed for and on behalf of the **Commonwealth Bank of Australia** by its authorised signatory:

DocuSigned by:

A1ABCD17378E47D...
Signature of authorised signatory

Gavin Munroe
Name of authorised signatory (print)

04-05-2023
Date

Signed for and on behalf of **Markit on Demand, Inc.** by its authorised signatory in the presence of:

DocuSigned by:

64CA5AAE453D40F
Signature of witness

Sean Steeves
Name of witness (print)

DocuSigned by:

26AE663B5756428...
Signature of authorised signatory

Catherine Allegra
Name of authorised signatory (print)

February 28, 2023
Date

Annex 1 - Consolidated Services

1. Core Services

1.1. Quote counting & entitlement management

- (a) Royalty quote counting on any applicable exchanges as per Client's exchange licensing agreements
- (b) User tiers/entitlements: permission data to various user types depending on Client's custom requirements
- (c) Real time and delayed quote data management, per Client's exchange licensing agreements covering the following exchanges:
 - i. Australian Securities Exchange (ASX) for the following security types: Stocks, ETFs, Options, Warrants, Hybrids, Bonds,
 - ii. New York Stock Exchange (NYSE) for the following security types: Stocks
 - iii. NASDAQ for the following security types: Stocks

1.2. Data Feeds

This section covers third-party and proprietary data management: ingestion, normalization, business rules and transference to Client in agreed upon manners (e.g. fully hosted, API, charting, images, etc.) of all licensed third-party and proprietary Client data, including the following

- (a) Morningstar Australian Markets Data Feeds
 - i. Market Data for listed securities
 - ii. SignalG News
 - iii. Morningstar News
 - iv. Morningstar Premium Research
 - v. Morningstar Quantitative Research
 - vi. Morningstar Consensus Research
 - vii. Morningstar Equity fundamentals
 - viii. Morningstar ETF data
 - ix. Announcements (ComNews)
 - x. Splits
 - xi. Hybrids
 - xii. Bonds
 - xiii. Warrants
 - xiv. Cboe (Chi-X) Australia Announcements
- (b) Goldman Sachs Research & Recommendations
- (c) CommSec Research
- (d) CBA Research
- (e) Brightcove Video

For the avoidance of doubt, the scope of Services listed under Annex 1 is not a comprehensive list and is subject to change. Bank may either add additional Services, at an additional cost or replace the Services

at a one-time additional fee payable to Supplier. Any changes to the scope of Services should be captured within an upgrade/ amendment agreement signed between the parties.

Charting Services: Charting services

- (a) Desktop hosted interactive charting solution
- (b) Mobile interactive charting SDKs
- (c) Legacy image-based charting

1.3. Stock Alerts

This section covers the alerting services for setting and triggering of stock alerts.

Alerting: Alert triggering and delivery via XML to third-party for SMS, email and/or portal alerts. Should the number of alerts exceed 1,500,000 in any given month, the additional alerts will incur the incremental fee of US\$0.004 per alert.

- (i) Price Alerts – alerts triggered when a price of a stock hits a pre-defined value.
- (ii) Volume Alerts – alerts triggered when a stocks traded volume hits a pre-defined volume.
- (iii) Announcements Alerts – alerts triggered when a market sensitive announcement for a specified stock is made available.
- (iv) Stock Goes Ex-dividend – alerts triggered when a stock trade in an ex-dividend basis or as an ex-date.

1.4. Hosted Webpages

Front-end hosted web Services which include the back-end Services required to display for ASX listed securities:

CommSec desktop site ASX securities

- (i) Markets – Pre-Market: International Equity Indices, Commodities, Latest News Headlines, Upcoming Dividends, Morning Summary, Video Market Reports, Currencies, Economic Daily Alert Report, Economic Weekly Market Report, Economic Insight Report
- (ii) Markets – 10am to 4pm: Performance Heat Map, Company Performance, Equity Indices, Latest News Headlines, Economic Daily Alert Report, Economic Weekly Market Report, Economic Insight Report, Company Announcements, Upcoming Dividends
- (iii) Markets – Day Review: 1 Day ASX Performance, Company Performance, Trending Searches, Company Announcements, Closing Summary, Video Markets Reports, Latest News Headlines, Economic Daily Alert Report, Economic Weekly Market Report, Economic Insight Report, Upcoming Dividends
- (iv) Sectors – Energy: Company Performance, Peer Analysis, Latest News Headlines, Recent Research, Market Sensitive Announcements, Trending Searches

- (v) Sectors – Materials: Company Performance, Peer Analysis, Latest News Headlines, Recent Research, Market Sensitive Announcements, Trending Searches
- (vi) Sectors – Industrials: Company Performance, Peer Analysis, Latest News Headlines, Recent Research, Market Sensitive Announcements, Trending Searches
- (vii) Sectors – Consumer Discretionary: Company Performance, Peer Analysis, Latest News Headlines, Recent Research, Market Sensitive Announcements, Trending Searches
- (viii) Sectors – Consumer Staples: Company Performance, Peer Analysis, Latest News Headlines, Recent Research, Market Sensitive Announcements, Trending Searches
- (ix) Sectors – Health Care: Company Performance, Peer Analysis, Latest News Headlines, Recent Research, Market Sensitive Announcements, Trending Searches
- (x) Sectors – Financials: Company Performance, Peer Analysis, Latest News Headlines, Recent Research, Market Sensitive Announcements, Trending Searches
- (xi) Sectors – Information Technology: Company Performance, Peer Analysis, Latest News Headlines, Recent Research, Market Sensitive Announcements, Trending Searches
- (xii) Sectors – Communication Services: Company Performance, Peer Analysis, Latest News Headlines, Recent Research, Market Sensitive Announcements, Trending Searches
- (xiii) Sectors – Utilities: Company Performance, Peer Analysis, Latest News Headlines, Recent Research, Market Sensitive Announcements, Trending Searches
- (xiv) Sectors – Real Estate: Company Performance, Peer Analysis, Latest News Headlines, Recent Research, Market Sensitive Announcements, Trending Searches
- (xv) Quotes – Summary: Prices, Performance Chart, Recommendations, Snapshot
- (xvi) Quotes – Announcements: Recent Announcements, Price chart
- (xvii) Quotes – Charts: Price chart
- (xviii) Quotes – Dividends: Historical, Per Share Statistics, Company Details, Forecasted Per Share Statistics
- (xix) Quotes – Recommendations: Goldman Sachs, Morningstar Premium, Morningstar Quantitative, Consensus
- (xx) Quotes – About: Company Information, Directors Interests, Current & Previous Directors, Shareholders
- (xxi) Quotes – Forecast & Trends: Earnings Announcements & Forecast Earnings, Earnings & Dividends Forecast, Growth Rates (%), Forecast Earnings Trend
- (xxii) Quotes – Trade History: Trade History
- (xxiii) Quotes – Financials: Company Historicals, Historical Financials, Balance Sheet, Performance & Risk, Historical Statistics

- (xxiv) Quote – Derivatives: Options, Warrants
- (xxv) Trading Ideas – Goldman Sachs Buy
- (xxvi) Trading Ideas – Morningstar Undervalued
- (xxvii) Trading Ideas – Undervalued Growth Potential
- (xxviii) Trading Ideas – Health Care Exposure
- (xxix) Trading Ideas – Income Generating
- (xxx) Trading Ideas – Property Exposure
- (xxxi) Trading Ideas – Fast start with ETFs
- (xxxii) Trading Ideas – Consensus Buy
- (xxxiii) Trading Ideas – S&P/ASX 20
- (xxxiv) Trading Ideas - Technology ETFs
- (xxxv) Find & Filter Stocks – Interactive Charting
- (xxxvi) Find & Filter Stocks – Company Announcements
- (xxxvii) Find & Filter Stocks – Upcoming Dividends
- (xxxviii) Find & Filter Stocks – ETF Screener
- (xxxix) Find & Filter Stocks – Stock Screener
- (xl) Find & Filter Stocks – Recommendations
- (xli) Find & Filter Stocks – News & Research
- (xlii) Find & Filter Stocks – Company Comparison
- (xliii) Find & Filter Stocks – Corporate Events
- (xliv) Find & Filter Stocks – Upcoming IPOs
- (xlv) Recommendations – Goldman Sachs
- (xlvi) Recommendations – Morningstar
- (xlvii) Recommendations – Consensus
- (xlviii) Tools – Interactive Charting
- (xlix) Tools – Company Announcements
- (l) Tools – Upcoming Dividends
- (li) Tools – ETF Screener
- (lii) Tools – Stock Screener
- (liii) Tools – Recommendations
- (liv) Tools – News & Research
- (lv) Tools – Corporate Events
- (lvi) Tools – Upcoming IPOs

CommSec desktop site (NYSE, NASDAQ, LSE)

- (i) Quotes – Summary: Performance Chart, Recommendations, Snapshot
- (ii) Quotes – Charts: Price chart

- (iii) Quotes – Dividends: Historical, Per Share Statistics, Forecasted Per Share Statistics
- (iv) Quotes – Recommendations: Overview, Performance
- (v) Quotes – About: Company Information, Directors Interests, Current & Previous Directors
- (vi) Quotes – Forecast & Trends: Earnings Announcements & Forecast Earnings, Earnings & Dividends Forecast, Growth Rates (%), Forecast Earnings Trend
- (vii) Quotes – Financials: Income Statement, Balance Sheet, Cash Flow Statement, Performance & Risk

1.5. Application programming interfaces

Web APIs

API Services available, including the back-end Services required to transmit data

About:

- (i) GET/about/info
- (ii) GET/about/director-state
- (iii) GET/about/director-interest
- (iv) GET/about/director-asOf
- (v) GET/about/shareholders
- (vi) GET/about/share-registry-details
- v) Company:
 - (i) GET/company/company-wrap
- vi) Distributions:
 - (i) GET/etf-distributions
- vii) Dividends:
 - (i) GET/dividends-b2b
 - (ii) GET/equity-dividends
- viii) Equity Forecasts and Trends:
 - (i) GET/equity-forecasts-and-trends
- ix) Events:
 - (i) GET/events/announcements
 - (ii) GET/events/interactive-chart
 - (iii) POST/event
 - (iv) GET/event/technical
 - (v) GET/event/dividend
 - (vi) GET/event/document/{documentId}/pdf
 - (vii) POST/event/technical-b2b/{symbol}
- x) Financials:
 - (i) GET /financials/balance-sheet

- (ii) GET /financials/bar-sprite
 - (iii) GET /financials/company
 - (iv) GET /financials/historical
 - (v) GET /financials/performance-risk
- xi) Holdings:
 - (i) GET/holdings-b2b
 - (ii) GET/etf-holdings
 - (iii) GET/etf-holdings-vue
- xii) International
 - (i) GET/international/about/companyDetails
 - (ii) GET/international/about/directorsInterests
 - (iii) GET/international/about/currentAndPreviousDirectors
 - (iv) GET/international/equity-dividend
 - (v) GET/international/equity-forecasts-trends
 - (vi) GET/international/equity-summary
 - (vii) GET/international/events/interactive-chart/consensus
 - (viii) GET/international/financials/balance-sheet
 - (ix) GET/international/financials/cash-flow
 - (x) GET/international/financials/income-statement
 - (xi) GET/international/financials/bar-sprite
 - (xii) GET/international/financials/performance-risk
 - (xiii) GET/international/recommendations/consensus
- xiii) Options:
 - (i) GET/summary-details
- xiv) Peers:
 - (i) GET/peers
- xv) Quote:
 - (i) GET/quote
- xvi) Recommendations:
 - (i) GET /screen-recommendations
 - (ii) GET /symbol-recommendations
 - (iii) GET /recommendations-page
 - (iv) GET /recommendations/{documentId}/html
 - (v) GET /recommendations-documents/{documentId}
 - (vi) GET /recommendations/mstar-premium
 - (vii) GET /recommendations/mstar-premium-documents/{documentId}
 - (viii) GET/recommendations/goldman

- (ix) GET/recommendations/goldman/{documentId}/html
- (x) GET/recommendations-provider-b2b
- (xi) GET /recommendations/mstar-quantitative
- (xii) GET /recommendations/mstar-consensus
- (xiii) GET /recommendations/history
- xvii) Risk and Returns:
 - (i) GET/risk-and-returns
 - (ii) GET/etf-risk-and-performance
 - (iii) GET/etf-risk-and-performance-additional-info
- xviii) Screener
 - (i) GET/screener-criteria/{type}
 - (ii) POST/screen/{type}
 - (iii) POST/prescreen/{type}
- xix) Sector Allocation
 - (i) GET/etf-sector-allocation-b2b
- xx) Smart Text
 - (i) GET/company-smart-text
 - (ii) GET/interactive-smart-text
- xxi) SEC Filings – C will be added with international project.
 - (i) GET/sec-filings-b2b

The EDGAR data transmitted and displayed by Supplier is sourced from the U.S. Security and Exchange Commission (SEC) as available from SEC filings are obtained from www.sec.gov. An appropriate citation to the SEC as the source of the EDGAR data will be displayed by the Bank on the website disclosing EDGAR data.

APIs to be upgraded to Node technology, work to be completed by Retainer Team.

- xxii) Equity Dividends API
- xxiii) Equity Snapshot API
- xxiv) ETF Snapshot B2B API
- xxv) ETF Performance & Risk API
- xxvi) ETF Top 5 Holdings API
- xxvii) ETF Sector Allocation B2B API
- xxviii) Events-Technical B2B API
- xxix) Bond Snapshot B2B API
- xxx) Option Snapshot B2B API
- xxxi) Hybrid Snapshot B2B API
- xxxii) Recommendations B2B API

Current Node APIs

- xxxiii) Commsec Node API-GET events/announcements
- xxxiv) Commsec Node API-GET events/interactive-chart
- xxxv) Commsec Node API-Get Token

Platform APIs

- xxxvi) Alerts
- xxxvii) Chartworks
- xxxviii) Quote
- xxxix) XREF

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Annex 2 – Exchanges

Acceptance: As per section 5.2 of this Order.

Charges: As per section 6.3 of this Order.

Assumptions:

- When new exchanges are added by Bank, Supplier will provide services as listed in 1.1,1.2,1.3,1.5,.1.6 of Annex 1.
- When alerts are added by Bank, Supplier will provide services as listed in 1.4 Annex 1.

*adding alerts only

Region	Country	Exchange
North America	Canada	Toronto Stock Exchange
North America	Canada	TSX Venture
North America	Canada	Montreal Exchange
North America	USA	NYSE*
North America	USA	NASDAQ*
North America	USA	NYSE American*

Table 1 North American Exchanges

Region	Country	Exchange
APAC	Hong Kong	Hong Kong Stock Exchange
APAC	Indonesia	Indonesia Stock Exchange
APAC	Israel	Tel-Aviv Stock Exchange
APAC	Japan	Tokyo Stock Exchange
APAC	New Zealand	New Zealand Exchange
APAC	Philippines	Philippine Stock Exchange
APAC	Singapore	Singapore Exchange
APAC	Thailand	Stock Exchange of Thailand

Table 2 APAC Exchanges

Region	Country	Exchange
Europe	Austria	Wiener Bourse
Europe	Belgium	Euronext Brussels
Europe	Denmark	Nasdaq OMX Copenhagen
Europe	England	London Stock Exchange*
Europe	Finland	Nasdaq OMX Helsinki
Europe	Germany	Boerse Frankfurt
Europe	Germany	Deutsche Boerse Xetra
Europe	Germany	Boerse Muenchen

Europe	Germany	Boerse Stuttgart
Europe	Germany	Boerse Berlin
Europe	Germany	Boerse Busseldorf
Europe	Germany	Boerse Hamburg
Europe	Germany	Boerse Hannover
Europe	Ireland	Irish Stock Exchange
Europe	Italy	Borsa Italiana
Europe	Luxembourg	Luxembourg Stock Exchange
Europe	Norway	Oslo Stock Exchange
Europe	Portugal	Euronext Lisbon
Europe	Spain	Bolsa Y Mercados Espanoles
Europe	Sweden	Nasdaq OMX Stockholm
Europe	Switzerland	SIX Swiss Exchange
Europe	The Netherlands	Euronext Amsterdam

Table 3 European Exchanges

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