

China Investment Information Services Ltd.

(A wholly owned subsidiary of Shanghai Stock Exchange)

SSE and China Indices Market Data Policies and Guidelines

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A. Definitions

All Definitions below relate to this Document only.

China Indices	All indices created by SSE and CSI.
CIIS	China Investment Information Services Ltd.
CSI	China Securities Index Company Limited.
Datafeed Subscriber	Subscriber who receives the Real Time Information via datafeed services from IVs.
Delayed Information	Any Information is delayed by 15 minutes or more prior to redistribution and display, it is categorized as Delayed Information till midnight (24:00 Hong Kong time) on the day it is generated.
Direct Connect IV	IV who receives the Information directly from CIIS or SSE InfoNet Ltd.
End of Day Information	Any Information redistributed after midnight (24:00 Hong Kong time) on the day it is generated.
EU	Licensed end user of CIIS who receive the Real Time Information directly from CIIS.
Indirect Connect IV	IV who receives the Information indirectly from Direct Connect IV(s).
Information	SSE and/or China Indices market data.
IV	Licensed information vendor of CIIS who receive the Information directly from CIIS or SSE InfoNet Ltd. or indirectly from Direct Connect IVs and distribute to the Subscribers.

Real Time Information	Any Information delayed by less than 15 minutes within the time period 9:30 to 11:45 and 13:00 to 15:15 during trading days of SSE.
SO	Stock options traded on SSE.
SSA	Standard Service Agreement, an agreement between IV/EU and CIIS.
SSE	Shanghai Stock Exchange.
SSE InfoNet Ltd.	The parent company of CIIS.
SSE Level-1	(a) Up to 5 levels market depth. (b) Content: Previous day's closing price, today's high/low prices, last traded price, today's opening/closing prices, trading volume, turnover value, five best bid/ask prices and quantities of orders.

SSE Level-2

(a) Level-2 license covers Level-1.

(b) Compared with the Level-1 Data, Level-2 data has the following additional information:

<i>Value-added information</i>	<i>Description</i>
Transaction details	Dynamic number of transactions
	Tick by tick data
Order information	Total instructed quantities
	Weighted average bid/offer price
	Quantity of each of the top 50 orders at the best bid/offer price
	Quantities of orders at the 10 best prices
Order cancellation information	Top 10 stocks in terms of cancelled order quantities
Ranking	Real-time trading value of each sector
	Real-time ranking of top 5 stocks of each sector in terms of traded value
	Percentage of trading value of each sector in the total turnover value.
Yield rate on bonds	Real-time yield-to-maturity of bonds

Subscriber

Contracting party of IVs which receives Real Time Information for internal use.

B. Introduction

1 Purpose of this Document

This Document is a statement of the policies which govern the use, redistribution, display and reporting of the Information.

The policies in this Document apply to the use of Information by EUs, IVs, service facilitators and Subscribers. EUs, IVs, service facilitators and Subscribers are responsible for compliance with these policies.

CIIS reserves the right to change any information in this Document at any time without prior notice.

2 Target audience of this Document

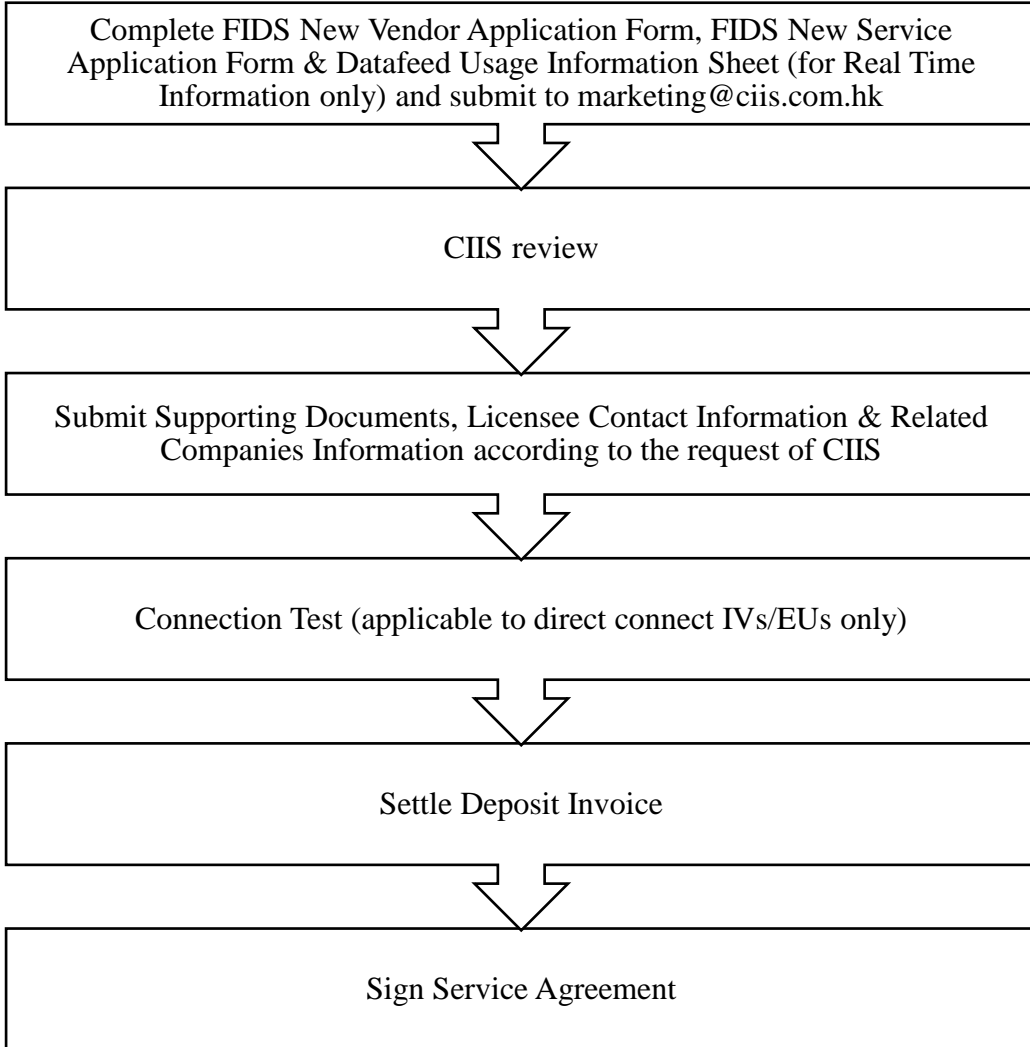
The policies in this Document apply to the use of the Information by IVs, EUs, Subscribers, Datafeed Subscribers and Service Facilitators.

IVs are recommended to make this Document available to all Datafeed Subscribers to their services having access to the Information which is subject to subscriber fees, reporting requirements or usage restrictions.

C. General

1 Application

1.1 Application Procedures



1.2 Deposit

For services under SSA with commencement date after 1st January 2013, in addition to the fee applicable to the service subscribed, IVs/EUs are required to pay a deposit of 50% of the fee payable to CIIS in the first year, including the license fee, minimum terminal fee and technical fee (if any), unless otherwise defined in the SSA. The deposit is fully refundable (without interest) when the agreement between CIIS and IVs/EUs is terminated.

1.3 Direct Connection (Direct Connect IVs/EUs)

1.3.1 Internet Connection Application and Requirements

IVs/EUs have to:

- (a) submit technical application form,
- (b) follow the instruction of CIIS regarding the necessary procedures for internet connection, and
- (c) pay the direct connection fee.

When IVs connect to CIIS, two CIIS production sites must be connected. If one of the connections is disconnected, IVs must be able to switchover between two production sites.

1.3.2 Leased Line Connection Application and Requirements

IVs/EUs have to:

- (a) submit technical application form,
- (b) follow the instruction of CIIS regarding the necessary procedures for leased line connection, and
- (c) pay the direct connection fee
- (d) pay leased line charges to leased line service providers directly.

When IVs/EUs connect to CIIS, two CIIS production sites and one test site must be connected. If one of the connections is disconnected, IVs/EUs must be able to switchover between two production sites.

Please note that for SSE Level-2 market data, IVs/EUs are required to connect to two production sites and one test site.

1.3.3 Trial Period

IVs/EUs are given a month free trial period for system development and testing before service commences. Service commencement date must be the first day of the month.

1.4 Indirect Connection (Indirect Connect IVs)

IVs are allowed to receive the Information from Direct Connect IVs. Indirect Connect IVs can only redistribute the Information to their subscribers and/or provide framing services to other Indirect Connect IVs.

After settlement of deposit invoice, IVs are allowed to receive the market data from

another IV for system development and testing for free, and the period cannot be longer than one month.

Please note that when Indirect Connect IV wishes to add or change data source, notification to CIIS in advance is required. Otherwise, it should be deemed to have additional data source and a charge of US\$7,000 per source per annum shall apply.

2 China Connect Exchange Participants

China Connect Exchange Participants of Hong Kong Stock Exchange are allowed to redistribute real time 1 market depth SSE market data of eligible stocks to their trading clients. The participants are not allowed to disseminate the market data to any third parties or permit their trading clients to further distribute the market data.

3 Delayed Information

Any Information, including Sci-tech Innovation Board and Global Depository Receipts, is delayed by 15 minutes or more prior to redistribution and display, it is categorized as Delayed Information till midnight (24:00 Hong Kong time) on the day it is generated.

Remarks:

- (a) Any Information, including Sci-tech Innovation Board and Global Depository Receipts, delayed by less than 15 minutes within the time period 9:30 to 11:45 and 13:00 to 15:15 during trading days of SSE is considered as Real Time Information.
- (b) Any Information, including Sci-tech Innovation Board and Global Depository Receipts, redistributed within the time period 15:15 to 24:00 during trading days is considered as Delayed Information.
- (c) Delayed Information must be displayed together with a delay indicator or a time-stamp in a prominent position so that viewers will not be misled that it is Real Time Information.

4 End of Day Information

Any information redistributed after midnight on the day it is generated. No approval or license is required for redistributing End of Day Information.

Example:

1 August 2018 market closing prices may be redistributed to a third party on 2 August 2018 (Hong Kong time) without the requirement for a license.

5 Index Creation

For using SSE market data to create index, approval from SSE InfoNet Ltd. is required.

6 Journalism (Non-Interactive)

6.1 Radio or TV Broadcasting

For SSE and China Indices market data reported in news reporting, no license is required if the data is updated not more than once per hour.

Remarks:

Scrolling ticker for stock and/or indices quotes in the news program, a redistribution license is needed.

6.2 Printed Media

For End of Day Information printed on newspaper, no license is required.

7 Listed Companies Display Own Share Price

Listed companies of SSE can display their own share price (no market depth) on their website without license or approval requirement. The IV who provides the data is required to inform CIIS in advance.

8 Members of SSE

Members of SSE are allowed to redistribute real time SSE Level-1 market data to their trading clients within mainland China, excluding Hong Kong, Macau and Taiwan.

9 Open-Access Channel (with Non-Streaming License)

For IVs who display the Real Time Information on website, mobile application, etc. without access control, IVs must not display more than 20 securities/indices on one screen at the same time. In addition, the prices of the Real Time Information must be updated upon request or not more than once per minute (snap-shot).

For IVs who also display the Real Time Information after login, the Real Time Information displayed must be the same as before login.

D. Third Party Website Service (Framing Service)

- (a) IVs must clearly display their logo and/or name on the third party websites and/or mobile applications.
- (b) IVs must display the standard description “Information provided by [name of the IV]” or “Data provided by [name of the IV]” or “Powered by [name of the IV]” (in English and/or Chinese) on the third party website and/or mobile application in order to indicate that they are the providers of the Information.
- (c) IVs must ensure that each third party website and mobile application include a disclaimer to indemnify CIIS from responsibility.
- (d) In the event that the third party websites and/or mobile applications wish to redistribute the Information in its own name, it shall obtain a license from CIIS.

E. Service Facilitators

IVs can appoint Service Facilitators to facilitate the dissemination of the Information. If Service Facilitators are required to access the Information, IV is required to submit a completed Service Facilitator Application form and shall ensure that:

- (a) The Information access by the Service Facilitator is solely for the purpose to facilitate the dissemination of the Information to Subscribers;
- (b) The Service Facilitator will not disseminate the Information to any third party outside its premises;
- (c) The transmission of the Information to the Service Facilitator will cease when the

- appointment of the Service Facilitator terminates;
- (d) It is the IV, and never the Service Facilitator, who contracts directly to supply the Information to Subscribers/end users of Subscribers. Further, Subscriber/end users of Subscribers entitlement must be allocated and controlled by the IV, not the Service Facilitator.
 - (e) The Service Facilitator is not allowed to provide the Information to any third party who is not a Subscriber.
 - (f) Any service provided by the IV through the Service Facilitator must be prominently branded so it clearly identifies the IV as the source of the Information and the service provider. Where the brand on the data product is not solely that of the IV, Service Facilitator is required to obtain a redistribution license.
 - (g) The IV must keep all internal record properly. The IV shall, upon CIIS request, permit and/or procure that CIIS may inspect promptly thereafter the premises and records of the Service Facilitator, for the purpose of satisfying CIIS reporting requirements.
 - (h) The IV is directly responsible for providing payment and reports to CIIS on the use of the Information. Further, the Service Facilitator may not be exempted from CIIS monthly subscriber fees for the access of the Information.
 - (i) CIIS will determine in its sole discretion on the approval of Service Facilitator. The IV also note that by appointing a Serviced Facilitator, the IV undertakes to ensure that the Service Facilitator is in conformity with the arrangements listed above and impose on the Service Facilitator all the restrictions and obligations imposed on the IV under the Standard Service Agreement relating to the use of the Information. Further, any breach by the Service Facilitator of the above arrangements could be treated as a breach of the IV under the Standard Service Agreement.
 - (j) Upon the IV terminate the SSA, the approval of Service Facilitator will be ceased.

CIIS reserves the right to:

- (a) Publish the names of approved Service Facilitator on its website.
- (b) Withdraw any Service Facilitator at any time by written notice.
- (c) Introduce additional conditions, refine or amend any existing conditions of this document at any time without prior notice.

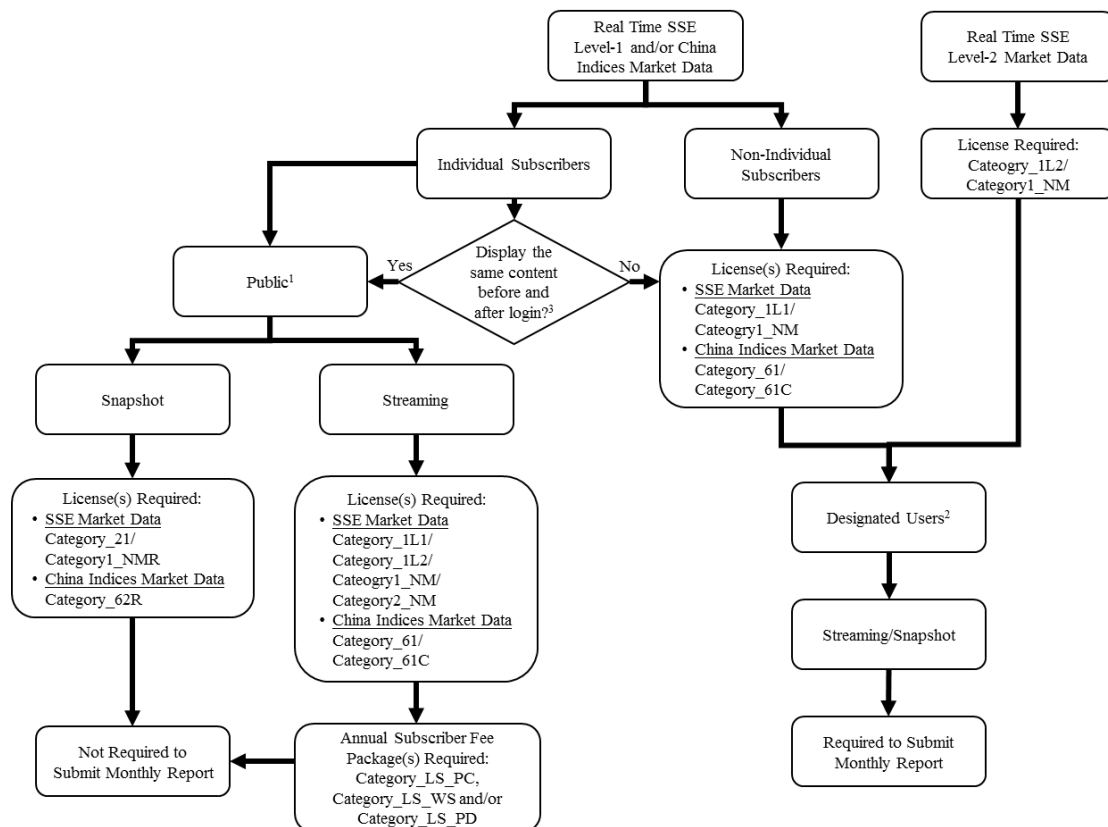
F. Reporting

IVs and EUs who are receiving the Real Time Information are required to provide subscriber report to CIIS on monthly basis unless otherwise specified in the agreement subscriber fee is not required for the service(s).

Datafeed Subscribers who control and manage entitlement system by themselves are required to follow our unit of count policy to report the number of subscriber units to their IVs.

All subscriber units permitted with access right to the Real Time Information are required to be reported.

1 Flow Chart



Remarks:

(a) Public means Subscribers are able to view the data without login or access

the data by using free email/social media account, such as Facebook, Gmail, QQ, WeChat, etc.

- (b) For IVs only provide the data to their own Subscribers, such as fee-liable Subscribers and trading clients, IVs must be able to identify individual and non-individual Subscribers. Username and password control is required.
- (c) If IVs display the same content of SSE level-1 and/or China indices market data before and after login, it will be considered as “Public”. Otherwise, IVs are required to apply for separate licenses and/or pay additional subscriber fee

2 Unit of Count

IVs, EUs and Datafeed Subscribers should report and pay for each subscriber unit, and the unit of count is each instance/access of a unique user ID/an application.

Definition of Subscriber Unit:

For the purpose of calculation of the Subscriber Fee for Real Time China Indices, Real Time SSE Information and/or Real Time SO Information, the number of Subscriber Units refers to:-

- (i) in the case where end users of the Subscriber is permitted to access the Information via more than one Subscriber Devices concurrently with one login account or password, the maximum number of Subscriber Devices which may access the Information during the month, which is calculated as at the last business day of each month or such other date as agreed by the Licensor. Concurrent access to the Information with one single account or password is permitted only if the Information Control System operated by the Subscriber is capable of recording, tracking, reporting and restricting the number of concurrent accesses made by the end users; or*
- (ii) in the case where end users of the Subscriber is NOT permitted to access the Information via more than one Subscriber Devices concurrently, the maximum number of end users who may access the Information during the month, which is calculated as at the last business day of each month or such other date as agreed by the Licensor; or*
- (iii) in the case where the Subscriber allows certain designated Subscriber Devices to be used other than by end users to access the Information, the maximum number of such designated Subscriber Devices which may access the Information during the month, which is calculated as at the last business day of each month or*

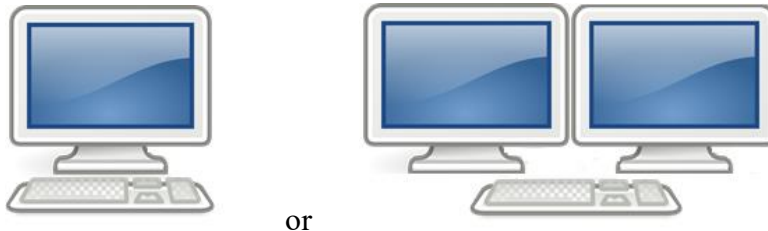
such other date as agreed by the Licensor.

Remarks:

- (a) Simultaneous access by a unique user ID should not be permitted unless the number of simultaneous accesses can be correctly recorded, tracked and reported.
- (b) Reporting and billing are based on the maximum concurrent access permitted. If a unique user ID is able to access the Real Time Information via five devices/applications simultaneously, then five subscriber units must be counted and reported.
- (c) IVs/EUs/Datafeed Subscribers are strictly prohibited to allow any access without capping the maximum of devices/applications (logins) to access the data. If IVs/EUs/Datafeed Subscribers are unable to control access, CIIS reserve the right to count and bill subscriber units on the basis of reasonable estimates.

From 1 July 2018, examples

- (a) A Subscriber is allowed to access the Real Time Information from an application via one display terminal, then one subscriber unit is counted and reported.



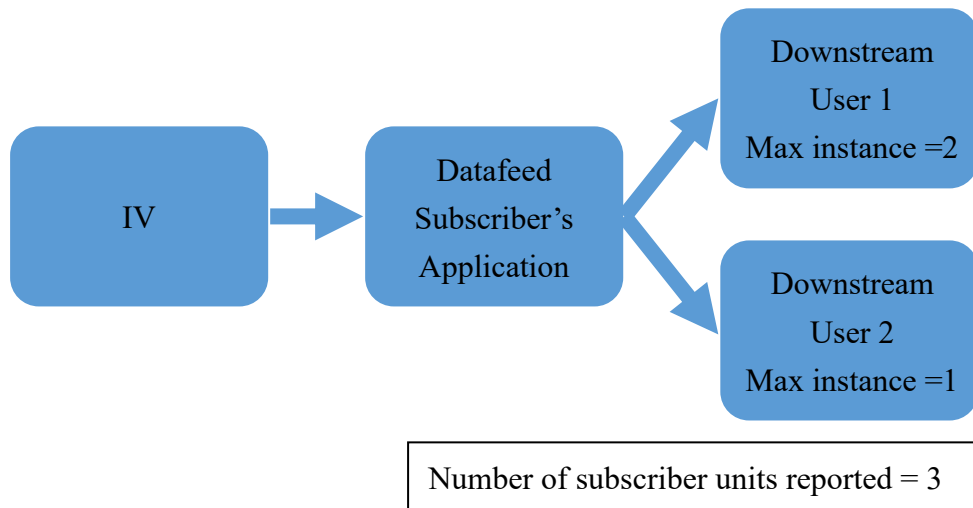
- (b) A Subscriber runs three applications, which display Real Time Information, on one display terminal, then three subscriber units are counted and reported.



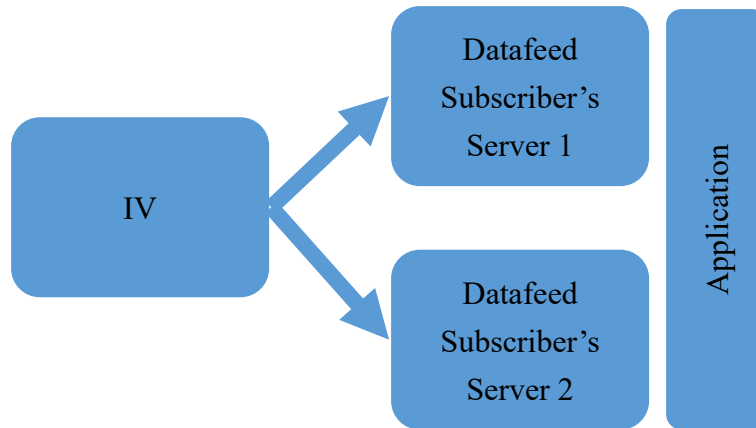
- (c) A Subscriber is allowed to access the Real Time Information via one display terminal and portable device at the same time, then two subscriber units are counted and reported.



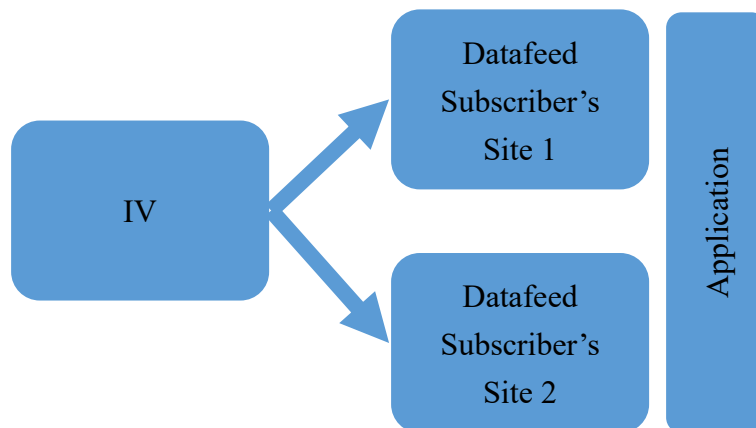
- (d) An application has downstream users, all permitted instances/accesses of the downstream users are counted and reported.



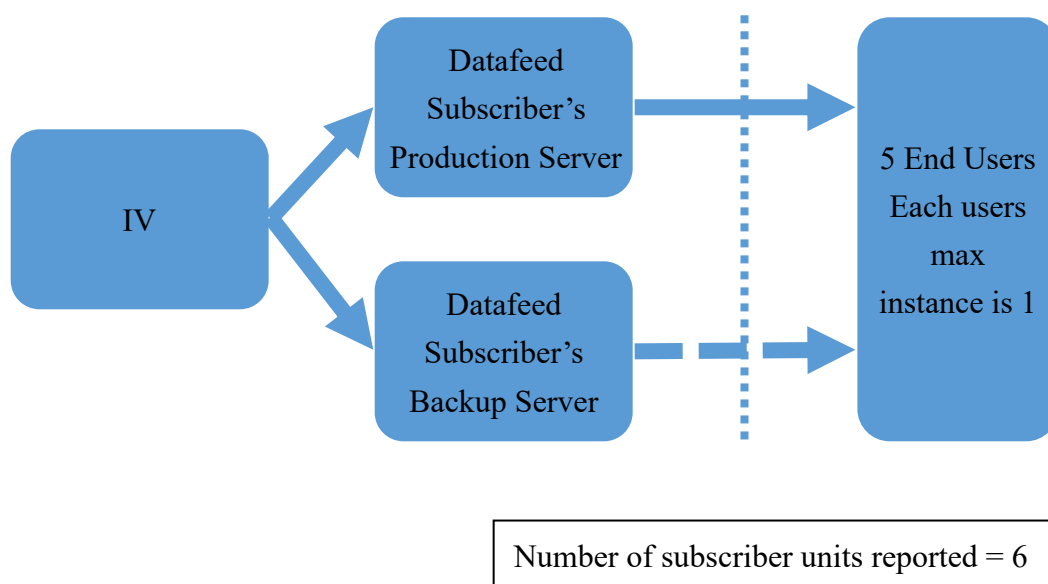
- (e) A display application is permitted to access Real Time Information, but it does not have downstream users or only provides delayed data to downstream users, all permitted instances/accesses of the application are counted and reported.



- (f) A non-display application is permitted to access Real Time Information, all permitted instances/accesses of the application need not to be counted, but IV is still required to report the usage.



- (g) Backup/testing/development/disaster recovery server is live and receiving the Real Time Information, the server is counted and reported.



3 Reporting Methods

3.1 Monthly Report

- CIIS report template must be used.
- IVs have to submit one report for each type of the Information and third party website service.

Example:

- an IV subscribes to CATEGORY_1L1 (SSE market data) and CATEGORY_61 (China Indices market data), the IV has to submit 2 usage reports, one for SSE market data and another for China Indices market data.
- an IV subscribes to CATEGORY_1L1 (SSE market data) and CATEGORY_TP24 (Third Party Website Service) for 3 third party websites, the IV has to submit 2 usage reports, one for SSE market data and another for third party website service.

3.2 Record Retention

All records used for preparation of monthly report, such as list of Subscribers, entitlement reports and honesty statements, must be kept at least 5 years.

3.3 Reporting Period

Reporting period is a calendar month.

Example:

Subscriber period is from 15 January to 14 February 2014, two months must be counted and reported separately. The usage for the period 15 to 31 January 2014 is counted as one month, and 1 to 14 February 2014 is counted as another month.

3.4 Due Date of Report

IVs, who are required to submit report, must submit the first subscriber report within 60 days of the start date of the service, and onward reports within 30 days of the end of each month. IVs must submit the report every month even with no subscriber. CIIS reserve the right to count and bill subscriber units on the basis of reasonable estimates if the report cannot be received before deadline.

4 Adjustment

IVs can amend their subscriber reports within six months from the submission date. For Subscribers, they have to send the adjustment to their IVs, while IVs should responsible for the aggregation and send to CIIS together with the normal subscriber report.

CIIS will not refund for any over-reporting however, IVs/Subscribers can use it as credit to offset the coming payments. For any adjustment required after six months, over-reporting is not allowed to be declared while for under-reporting, interest may be imposed.

5 Display Usage

5.1 Display Terminal for Individual Investor

If a Subscriber satisfies all the criteria set forth below would be classified as individual investor:

- (a) The Subscriber is a natural person;
- (b) The Subscriber does not operate a financial service institution;
- (c) The Subscriber will use the Information exclusively for his/her private purpose, such as, in particular, the management of his/her own private assets;
- (d) The Subscriber will not use the Information for business purpose;

- (e) The Subscriber will not use the Information in any other manner for the purpose of third parties;
- (f) The Subscriber will not distribute the Information onward to third parties and will not make the Information available to third parties; in particular those parties who do not qualify as retail investors.

IVs should have an appropriate application procedure to ensure that the registered subscriber is individual investor, such as to request the Subscriber to declare he/she is an individual investor (by providing the exact definition as above to Subscriber) when signing the subscriber contract with IVs.

For Subscribers who wish to enjoy the preferential rate as individual investors, they have to provide supporting info, such as their residential addresses.

5.2 Display Terminal for Mainland China Subscriber

The subscriber fees for mainland China Subscribers for SSE real time Level-1 of cash market (all securities listed on SSE excludes stock option) are waived. For Subscribers who wish to enjoy this offer, have to provide supporting info, such as residential addresses in mainland China, Chinese mobile numbers, etc.

In addition, IVs should have proper measures in place to ensure the Subscribers are located in mainland China.

Example:

- (a) SMS verification – Subscribers are required to provide a Chinese mobile number to receive an SMS verification code.
- (b) Restriction on IP addresses – Subscriber only can receive SSE Level-1 market data within mainland China.
- (c) Business registration addresses should be in mainland China.

IVs are required to include the address, mobile number, etc. in the subscriber report. IVs should indicate in the application form the measures they plan to use for the products and inform CIIS in advance if they plan to change to other measures.

5.3 Portable Device

Subscribers may access the Information via PC and portable device with the same unique user ID. If a Subscriber is able to logon to both PC and portable device at the same time, CIIS will charge subscriber fees for both PC and portable device.

If a Subscriber cannot logon to PC and portable device simultaneously, the fee for PC or portable device will be charged, whichever is higher.

5.4 Per Quote

One quote means a static quote pertaining to only one single security or index.

The following service should be counted as per quote usage:

- (a) Price alert service, each alert service is counted as one. If the recipient receives the price alert through multiple channels, such as mobile, email etc. for the same price alert, it would be counted as one quote.
- (b) For IVRS service (vocal quote service by speaking to a speech recognition system interface over the phone), each request is counted as one quote.

In situation where static quote of more than one security/index are packaged and disseminated together as a basket portfolio, within a page or as a market reminder service, each real time quote for each security/index should be logged as a separate quote.

Example:

A portfolio containing fee-liable quotes of five stocks displayed on the screen at the same time must translate into five individual quotes for each request.

5.4.1 Record requirement:

- (a) For registered users:
 - ◆ Names of all the Subscribers and/or
 - ◆ Unique user ID of all the Subscribers
- (b) For unregistered users:
 - ◆ IP Addresses of all the users (Internet service)
 - ◆ Telephone numbers or mobile numbers of all the users (IVRS service)
- (c) Type of market data viewed (security code and time requested)
- (d) Number of quotes
- (e) Fee calculation

Remarks:

- (a) Fee-liable period: 9:30 to 11:45 and 13:00 to 15:15 on trading days.
- (b) The system must record each quote. If the price is updated automatically

and without recording a quote for each update, the product/service then becomes liable for terminal subscriber fee.

5.4.2 Fee Capping

Per Quote monthly fee is capped to terminal subscriber fee for the respective category if fulfils the following requirements:

- (a) Access control is required
- (b) Concurrent access is not allowed

Example:

A Subscriber registered as individual investor for real time SSE Level-1 market data, the monthly capping is US\$10 while a Subscriber without an identifier as individual investor, monthly capping is US\$24.

5.5 Individual Subscriber Fee Package

Requirements and restrictions:

- (a) IVs who already have licenses of Real Time Information are eligible to apply for the package.
- (b) After subscribing to the package, IVs could provide real time streaming SSE Level-1 market data with five levels market depth and China Indices market data to individual investors for display purpose according to their distribution channel(s) they subscribed to, subscriber fee for individual investors are waived. Distribution channel includes PC terminal, portable device and website.
- (c) IVs are not required to provide subscriber report for the package.
- (d) The package is only applicable for individual investors. IVs should use proper measure to identify the Subscribers are not institutional clients. Standard subscriber fee are still applicable for institutional Subscribers after subscribing to the package.
- (e) The package is only for free open-access channel. It means individual investors do not need to have username and password to access real time SSE Level-1 and China Indices market data or access the market data by using mobile phone numbers/social media accounts. If IVs also provide the market data after login, then the market data provided before and after login must be the same.

Remarks:

- i. Mobile phone number: no designated mobile service provider is required.

- ii. Social media account: free registration, such as Facebook, QQ, WeChat, etc.

After subscribing to the package, IVs still have to report the institutional subscriber units and pay the standard fees accordingly, however the minimum monthly subscriber fee would be deemed as fulfilled.

6 Datafeed Usage

IVs who are permitted to provide datafeed usage should provide all the Datafeed Subscribers list in the subscriber report, and datafeed usage is required to have pre-approval from CIIS with effective from 1st January 2018.

6.1 Datafeed with Entitlement Control

- (a) Sharing of a unique user ID among several users is prohibited.
- (b) Simultaneous access by a unique user ID should not be permitted unless the number of simultaneous accesses can be correctly recorded, tracked and reported.

6.2 Datafeed without Entitlement Control

- (a) IVs should require Datafeed Subscribers to provide the “Honesty Usage Statement” on regular basis. Datafeed Subscribers must operate a proprietary entitlement control system and be able to provide such system log to verify the usage upon requested by IVs or CIIS.
- (b) Simultaneous access by a unique user ID/device should be permitted only if the proprietary entitlement system operated by Datafeed Subscriber is capable of recording, tracking, reporting and restricting the number of simultaneous accesses made by the unique user ID/device. If Datafeed Subscriber is unable to track and record the simultaneous access, the maximum number of potential accesses must be reported.
- (c) Datafeed Subscribers could only use the data for internal usage unless redistribution license is granted by CIIS.

6.3 Non-Display Application Reporting

Effective from 1 July 2015:

For applications which have accessed the Real Time Information for non-display information usage purpose, please note that both non-display information usage fee

and standard subscriber fee are applicable. That means Datafeed Subscribers should report the number of subscriber units and pay the subscriber fees accordingly to IVs who provides the Real Time Information feed as before the non-display information usage fees implemented by CIIS. The number of subscriber unit is the maximum permitted instance of the application/server/application's downstream users, whichever is the largest. The non-display information usage fee cannot be used to offset any subscriber unit fee. For the avoidance of doubt, a display application with the ability to alter or control a real time non-display application is subject to additional subscriber fees for display usage.

Effective from 1 January 2018:

In addition to non-display information usage, other Real Time Information datafeed usage is subject to datafeed usage fee. The reporting requirement for subscriber unit remains the same, i.e. the number of subscriber units is the maximum permitted instances of the application/server/application's downstream users, whichever is the largest. The datafeed usage fee cannot be used to offset any subscriber unit fee.

Effective from 1 July 2018:

For non-display applications, only datafeed usage fee is applicable. Applications with display information usage are still subject to additional subscriber fee. For the avoidance of doubt, a display application with the ability to alter or control a real time non-display application is subject to additional subscriber fees for display usage.

Please note that IVs are still required to report the usage of Datafeed Subscribers even if the Datafeed Subscribers only have non-display usage.

The table below summarized the reporting requirement for subscriber unit:

Period	Prior to 1 July 2018	From 1 July 2018
Subscriber Fee for non-display information usage	Yes	No
Subscriber Fee for display information usage	Yes	Yes

6.4 Datafeed for Mainland China User

For Datafeed Subscribers who wish to enjoy the preferential rate as mainland China users, they have to provide their residential addresses in mainland China or Chinese mobile number, etc.

In addition, IVs should have proper measures in place to ensure the Subscribers are mainland China users. For details of proper measures please refer to section 4.2 of part F “Display Terminal for Mainland China User” in this Document.

7 Redistribution

For direct connect IVs with further distribution of data to indirect connect IVs, direct IVs should include such usage in the subscriber report.

Indirect connect IVs should receive the data that is consistent with the license obtained.

Example:

Real time SSE Level-1 indirect connect IV should receive real time SSE Level-1 market data from direct connect IV. If the indirect connect IV receives real time SSE Level-2 market data or China Indices market data, then the indirect connect IVs may be required to obtain Other Datafeed Usage license (Category_N4).

Indirect connect IVs can only provide data to their end users, further redistribution to other indirect connect IVs is not allowed unless otherwise approved by CIIS.

8 Internal Usage

Internal usage by IVs, such as quality control, monitoring, product development and demonstration, should be included in the subscriber report unless exemption is agreed by CIIS. IVs/EUs should report the number of internal units and the purpose. If IVs/EUs do not report the internal usage, no free internal unit would be offered. In addition, if the internal usage is discovered by CIIS during audit, all internal units will be charged at normal subscriber fee plus audit interest.

<i>No. of Subscriber Units</i>	<i>Monthly Subscriber Fee Applicable</i>
The first 20 units or units equivalent to 5% of the total number of units in the Reference Month*, whichever is higher.	Free of Charge
<u>By request</u> , further units on special discount	a) 50% of normal subscriber fee or b) Monthly cap of US\$1,000 per IV

* The Reference Month is the month with the highest number of subscriber units (as reported in the monthly subscriber reports) in the immediate past twelve months from the time the IV submits the application for additional internal usage units, and without promotion camping.

Remarks:

- (a) Subscribers are not entitled to claim internal usage fee waiver or preferential rate. All production and development subscriber units are fee liable and required to report.
- (b) Simultaneous access by a unique user ID should not be permitted unless the number of simultaneous accesses can be correctly recorded, tracked and reported.
- (c) Appropriate management system should be implemented so that the number of internal subscriber units can be correctly reported.
- (d) To enjoy the month cap of US\$1,000, IVs should subscribe to the annual internal usage package (US\$12,000 per annum)

9 Free Trial

If Subscribers/end users have not subscribed to the Information in the past 12 months, IVs could provide free trial service to such subscriber/end users in no more than one calendar month. Free trial service is not applicable for per quote usage. For institutional Subscribers, only 1 free trial unit per institution is allowed. Newly added subscriber unit is not entitled to free trial.

Example:

A Subscriber without subscribing the Information in the past 12 months, commences the service from 4th January 2014, the subscriber fee can be waived for the period 4 to 31 January 2014.

IVs are required to include such free trial usage in the monthly report, and keep complete usage record for audit purpose.

10 Backup/Development Server

All backup/development servers are required to be reported, except cold standby server. If production server and backup server run in parallel, all subscriber units must be counted twice.

G. Datafeed Usage Policy

Datafeed usage policy allows the Real Time Information to be employed for further redistribution (with redistribution license from CIIS), non-display information usage (i.e. Category N1, N2, N3 and Index Creation) (with effective from 1 July 2015) and other datafeed usage (Category N4) (with effective from 1 January 2018). Under the policy, all parties who access and use the Real Time Information will be subject to datafeed usage license fee in addition to the standard subscriber fees.

1 Non-Display Information Usage

Non-Display Information Usage means an application used for accessing, processing, or consuming the Real Time Information for a purpose other than in support of its display or distribution. Any non-display application that accesses the Real Time Information is defined as Non-Display Information Usage. A device, such as a server, that merely aids in the distribution of the Real Time Information to Subscribers is not regarded as a non-display application for the purpose of assessing fees. For the avoidance of doubt, a display application with the ability to alter or control a real time non-display application is subject to additional subscriber fees for display usage.

CATEGORY N1: Algorithm Trading

Any usage of the Real Time Information in electronic trading systems for the purpose of generating orders or executing transactions in an automated and/or semi-automated manner, such as the use of the Real Time Information for algorithmic trading, program trading or the automated monitoring of trading activities, price referencing for the purposes of algorithmic trading and/or smart order routing etc.

CATEGORY N2: Derived Data with Tradable Product

Any work created using the Real Time Information to partly or wholly derive the price of a tradable product or value of the underlying instrument of a tradable product, such as instrument pricing, creation of investable instruments: spread betting, binary options trading etc. For the avoidance of doubt, this does not include creation or calculation of indices of stocks, securities and/or markets (collectively “Index Creation”). For Index Creation usage, please contact CIIS for details.

CATEGORY N3: Other Non-Display Information Usage

Any Non-Display Information Usage of the Real Time Information other than Category N1, N2 and Index Creation, such as risk management, quantitative analysis, fund administration, portfolio management, compliance, account or audit activities etc.

2 Other Datafeed Usage

CATEGORY N4: Other Datafeed Usage

Datafeed Usage of the Real Time Information other than Category N1, N2, N3 and/or Index Creation, such as display of Information for internal use.

For the avoidance of doubt, the Datafeed Usage License Fee for Category N4 shall be waived under any of the following circumstances:

- (a) if the IV/EU/Datafeed Subscriber already reported and been charged for Category N1, N2, N3 and/or Index Creation for each set of Real Time Information; or
- (b) if the IV/EU/Datafeed Subscriber is able to provide the audit trail or reasonable documentation to prove the datafeed is only used to support IV’s display terminal;

IVs/EUs/ Datafeed Subscribers should complete the Datafeed Usage Information Sheet first in order to get fee waiver of Category N4. For case ii, only the Datafeed Subscriber itself can get fee waiver, but no waiver for Datafeed Subscriber’s related company unless the related company fulfils the conditions of case ii. The Datafeed Subscriber should submit the audit trail of the whole year to CIIS on yearly basis as a request to waive fees of Category N4 for the next year. CIIS has the absolute discretion to determine if the audit trail or reasonable documentation is valid for fee waiver purpose.

3 General Note

- (a) The Datafeed Usage License Fee is not applicable for the following cases.
- i. Individual Subscribers (as defined in the Standard Service Agreement)
 - ii. At least 15 minutes delayed Information.
 - iii. Exchange Participants of Hong Kong Stock Exchange who receive Level-1 (with one market depth) Real Time SSE Information from China Connect Open Gateway (CCOG) of Hong Kong Stock Exchange.
 - iv. Members of SSE and who receive real time SSE Level-1 information and/or real time China Indices/real time stock option information from an IV. Members' related company cannot be exempted if it is not a member of SSE.
- (b) The category of IVs' redistribution license shall be consistent with the level (real time/ Level-1/ Level-2/ delay) of information received. Otherwise, if IVs do not fulfil the exemption conditions as set out in "2 Other Datafeed Usage", IVs have to declare the usage as Category N4 in addition to further redistribution. For example, if an IV is redistributing Real Time SSE Level-1 Information but receiving Real Time SSE Level-2 Information, the IV has to declare the usage as Category N4 in addition Level-1 redistribution purpose. Again, if an IV is licensed to redistribute Real Time SSE Information only, but also subscribing Real Time China Indices, the IV should declare the redistribution license as well as the usage of Real Time China Indices (at least for Category N4).
- (c) If a Datafeed Subscriber wishes to use the Real Time China Indices for the purpose of Derived Data with Tradable Products, such as ETF, the Datafeed Subscriber is required to enter direct agreement with CSI and CSI may, in its absolute discretion, levy license fees for the right to use the index information to create Derived Data with Tradable Products.
- (d) If a Datafeed Subscriber wishes to use SSE Information (real time or at least 15 minutes delayed or end of day) for the purpose of Index Creation, the Datafeed Subscriber is required to enter direct agreement with SSE InfoNet Ltd. (a wholly owned subsidiary of SSE). SSE InfoNet Ltd. may, in its absolute discretion, levy license fees for the right to use the SSE Information to create Derived Data with Tradable Products.

- (e) Total Datafeed Usage License Fee of different categories is calculated on cumulative basis. For example, if a Datafeed Subscriber uses the Real Time SSE Information for Category N1 and Category N2, this Datafeed Subscriber is required to pay US\$72,000 per annum (US\$36,000 plus US\$36,000).
- (f) If a Datafeed Subscriber receives datafeed from more than one source, IVs, EUs, IV's Subscribers are liable to pay the Datafeed Usage License Fee once only. For Example, if a Datafeed Subscriber receives datafeed services from CIIS and one IV, and uses the Real Time SSE Information for Category N1, this Datafeed Subscriber is required to pay US\$36,000 per annum.
- (g) For IVs/EUs who use the Real Time Information as Non-Display Information Usage, IVs/EUs are required to pay the Datafeed Usage License Fee in addition to the fees specified in the current Standard Service Agreement.

4 Implementation

- (a) All IVs/EUs/Datafeed Subscribers who use the datafeed service of the Real Time Information are required to complete Datafeed Usage Information Sheet (available on CIIS website: www.ciis.com.hk) and send to ndu@ciis.com.hk. The Information Sheet is a one off declaration and IVs/EUs/Datafeed Subscribers shall complete the Information Sheet before commencement of the datafeed service or update the Information Sheet within one month should there be any subsequent changes.
- (b) All IVs/EUs/Datafeed Subscribers who subscribe to the information for the below usage categories are required to enter into direct agreement with CIIS and subject to pay Datafeed Usage License Fee to CIIS directly within one month from the commencement date of Datafeed Usage.

Information	Category
Real Time SSE Information	N1, N2, N3, N4
Real Time China Indices	N1, N3, N4

- (c) IVs who plan to offer datafeed services shall be responsible to complete the following:

- i. For current IVs' Table A of Standard Service Agreement without datafeed service, please complete the new service application form to CIIS for consideration, CIIS will send the Agreement Amendment to IVs after the application approved.
 - ii. To notify all of its Datafeed Subscribers by written notice, and to ensure the Datafeed Subscriber complete and return the Datafeed Usage Information Sheet to ndu@ciis.com.hk; and
 - iii. To ensure its Datafeed Subscribers to enter into Agreement with CIIS (if applicable).
- (d) CIIS reserves the right to request the IVs to terminate the datafeed service of Real Time Information for Datafeed Subscribers who do not submit the Datafeed Usage Information Sheet to CIIS and/or pay the appropriate Datafeed Usage License Fee as per the due date specified in the invoice.
- (e) CIIS allows IVs, EUs and Subscribers claiming back over-paid fees in the form of credit note of future payment if they report for wrong category usage. However, such claiming should be made within six months from the start date of the service. No cash refund shall be made.

5 On-Site Inspection

CIIS has the right to inspect the premises, internal systems and records of the IVs, EUs and any Subscribers who have subsisting contract with the IVs in order to establish that they are in full compliance with the Standard Service Agreement and/or Datafeed Usage Agreement. Further, CIIS reserves the right to charge the Datafeed Usage License Fee together with interest if CIIS establishes, by whatever means, the Real Time Information is being used outside the permitted scope.

H. Audit

1 Audit Purpose

- (a) Verify whether usage of the Information is reported or declared on a complete and accurate basis.
- (b) Examine whether the correct remuneration has been paid to the CIIS for the Information used by the IVs/EUs/Datafeed Subscribers.
- (c) Identify potential sources of errors, and reduce potential errors to ensure a correct and efficient reporting in the future.

2 Audit Period

The audit period covers 3 years in normal circumstances. If there are more than 3 years between this audit and the last audit, the audit coverage period may be extended to more than 3 years accordingly.

Remarks:

IVs/EUs/Datafeed Subscribers must retain all books and records necessary to validate the usage of the Information and to accurately calculate fees payable to the CIIS. This includes retaining auditable system logs and other records from the access and entitlement system.

3 Scope of Audit

The scope of an audit covers all the subscribed Information for the audit coverage period and shall include the following:

- (a) A full list of all users permissioned to receive the subscribed Information.
- (b) A list of sub-vendors of the subscribed Information.
- (c) Copies of the reports sent to the CIIS for the audit period
- (d) Demonstration of all systems and applications that consume the subscribed Information as well as the processes and systems that control the dissemination of the subscribed Information.

- (e) All records, procedures, processes and systems relevant to the reporting requirements, including but not limited to entitlement records and datafeed access declarations.
- (f) All electronic and paper-based user files or relevant documentation.
- (g) Any additional requests raised by the auditor before and/or during the audit.

4 Audit Notice

- (a) CIIS shall give IVs/EUs/Datafeed Subscribers two months' written notice of the date of audit site visit or the submission date of audit materials, and likely scope of the audit.
- (b) CIIS reserves the right to conduct audits by giving less than one month notice and more than once in a year in the event that a previous audit has revealed any inaccuracy in its record, account or subscriber reports by more than 5%.
- (c) IVs/EUs/Datafeed Subscribers with justifiable reasons can request to postpone the audit within 15 calendar days after receiving notification. Such a postponement may only be made a maximum of one occasion. The postponed audit date should be within the same year and the audit coverage period should be extended accordingly.

For example: The original audit date is April 2021 and audit coverage period is April 2018 – March 2021. If the audit date is postponed to October 2021, the audit coverage period should be extended to April 2018 – September 2021.

5 Audit Preparation

5.1 IVs/EUs

- (a) In general, IVs/EUs should:
 - ◆ Ensure that all records necessary for the audit are identified and made available for inspection, including enablement reports from permissioning systems for the entire audit period and technical overview of the market data infrastructure.
 - ◆ Ensure that sufficient resources like staff, records and equipment are made available for analysis, discussion and clarification purposes during the audit.
- (b) Regarding the onward dissemination of the Information to Subscribers, IVs shall provide the following documentation and data files:

- ◆ Description of the systems used for the onward dissemination of the Information
 - ◆ Technical specifications of the entitlement systems employed
 - ◆ Documents regarding the electronic entitlement
 - ◆ Subscriber contracts
 - ◆ Honesty statements and the documentation regarding the checks of their correctness
 - ◆ Complete electronic excerpt from the entitlement systems for the audit period announced
- (c) Regarding the onward dissemination of the Information to indirect connect IVs, IVs shall provide the following documentation and data files:
- ◆ Description of the systems used for the onward dissemination of the Information
 - ◆ Description of the technical and administrative measure for the entitlement, including the activation and deactivation of the Information products
 - ◆ Complete electronic excerpt from the entitlement systems for the audit period announced
 - ◆ Complete list of all URLs and market data products entitled

5.2 Datafeed Subscribers

- (a) In general, Datafeed Subscribers should:
- ◆ Ensure that all records necessary for the audit are identified and made available for inspection, including honesty statements/datafeed access declarations submitted to IVs during the audit period, and technical overview of the market data infrastructure.
 - ◆ Ensure that sufficient resources like staff, records and equipment are made available for analysis, discussion and clarification purposes during the audit.

6 Audit Liability and Interest

If underreporting is found in record, account, subscriber reports over the audit period, IVs/EUs/Datafeed Subscribers shall pay back for the underreported part plus the corresponding interest. The underreported amount is the difference between the amount should have been paid assuming the usage were reported accurately and the amount actually paid. The interest will be charged at different rate (as per the following

circumstances referred to) from the original due date up to the end of audit period for the currency of the outstanding amount as at the applicable due date. However, if the IVs/EUs/Datafeed Subscribers shows a non-cooperative attitude during the audit, the interest will be calculated up to the date the payment is actually received by CIIS.

6.1 For IVs/EUs

- (a) The monthly interest rate is 2% if the underreporting is less than or equal to 5%;
- (b) The monthly interest rate is 4% if the underreporting is greater than 5%.
- (c) The interest is compounded monthly

6.2 For Datafeed Subscribers

The interest rate is the same as IVs’.

The interest is compounded monthly

Remarks:

If it is the first time that the underreporting is found and the auditor receives good cooperation from the Datafeed Subscriber during the audit, an interest reduction could be given by reducing the monthly interest rate to 1.25%.

7 Confidentiality

All parties involved in the audit process should comply with the principle of confidentiality. All records and systems inspected in the course of an audit and all audit work papers should be regarded by all parties as strictly confidential.

I. FAQ

1. For online financial news report, can editor includes the prices of the securities and/or indices mentioned in the news report?

Yes, but only delayed data is allowed.

2. How to report wallboard installed in bank/securities firm branches displays the Real Time Information?

If the target audiences are the individuals inside the branches, each wallboard should be counted as one display terminal, and the wallboard must be controlled by IV. Only name and logo of IV can be displayed on the wallboard.

If the wallboard faces outward for public view, each branch should be counted as one TV channel, and the wallboard must be controlled by IV. Only IV name and logo can be displayed on the wallboard.

3. How to report wallboard installed outside a building displays the Real Time Information?

Each building should be counted as one TV channel, and the wallboard must be controlled by IV. Only IV name and logo can be displayed on the wallboard.

4. How to report elevator screen displays the Real Time Information?

Each screen should be counted as one display terminal, and the Real Time Information must be controlled by IV. Only IV name and logo can be displayed on the wallboard.

5. Does CIIS offer free trial period before subscribing to CIIS direct connection service?

No, we only give free trial period to IV after IV application is approval and the deposit requirement is fulfilled.

6. Can indirect connect IV provide the Information to another indirect connect IV?

No, indirect connect IV must receive the Information from direct connect IV. Besides, indirect connect IV is allowed to provide third party website service or white label product to third party with a valid license.

7. Would CIIS publish IVs names on the website?
Yes, but EU and Datafeed Subscriber would be excluded.
8. Are there any bandwidth requirements?
For only receiving SSE Level-1 market data, 4M is recommended.
For only receiving SSE Level-2 market data, 10M is recommended.
9. How many connections are needed?
For receiving SSE Level-2 market data, at least 3 leased lines are needed.
For receiving SSE Level-1 market data, at least 2 leased lines or 2 internet connections are needed.
10. Can Direct Connect IV choose leased line service provider?
No, there are dedicated leased line service providers.
11. How many data sources are allowed for Direct Connect IVs to receive the Information?
Direct Connect IVs are allowed to receive the Information from CIIS and other Direct Connect IVs. The first two data sources are free of charge. US\$7,000 per annum will be charged from the third one.
12. How many data sources are allowed for Indirect Connect IVs to receive the Information?
The first two data sources are free of charge. US\$7,000 per annum will be charged from the third one. The charge is not applicable to Datafeed Subscribers.
13. How does a mainland China vendor provide Information to overseas markets?
Mainland China vendor is required to obtain redistribution license from CIIS. There are specific licenses for mainland China licensed vendors.
14. Can IV apply for a group license?
The license obtained from CIIS is a group license, the related companies of the IV can be covered.
- However, the license obtained from SSE InfoNet Ltd. is single company license, no related companies are covered.

15. Can subsidiaries/related companies of a member of SSE registered in non-mainland China region redistribute the Information externally?

No, only if these companies obtain appropriate licenses from CIIS.