DEUTSCHE BÖRSE
GROUP

Reporting Guideline
to the Market Data Dissemination Agreement
of Deutsche Börse AG

Effective as of 1 January 2016
Version 6_2

Contents

1   Objectives of Electronic Reporting

The Contracting Parties of Deutsche Börse AG receive Licensed Information on the basis of the Market Data Dissemination Agreement entered into with Deutsche Börse AG. In addition, the Market Data Dissemination Agreement grants the Contracting Parties of Deutsche Börse AG the right to onward disseminate the Information to internal Users and/or to Subscribers as well as to place Information into the website of a Displaying Party (Webhosting).

In case of the onward dissemination of Real-time and/or Delayed Information to Sub-Vendors and Displaying Parties there is always a reporting obligation in addition to the approval and notification obligations via the online system MD+S interactive.

In case of the onward dissemination of Information to Users the following shall apply:

Provided that the Information concerned may be onward disseminated within an Open User Group [1], the Contracting Parties of Deutsche Börse AG are not obliged to participate in electronic Reporting. In this case, the Reporting Guideline does not apply.

However, if the Information concerned may only be disseminated within a Closed User Group, the Contracting Parties of Deutsche Börse AG have to participate in the electronic Reporting even if the Information is only used for own purposes of the Contracting Parties of Deutsche Börse AG. In this case, the Market Data Dissemination Agreement stipulates that certain files – electronic reports – must be submitted to Deutsche Börse AG on a monthly basis. From this Reporting Deutsche Börse AG experiences mode and scope of the onward dissemination of Information to external and internal Users. The electronic procedure was introduced for all Contracting Parties of Deutsche Börse AG in order to ensure that:

n the administrative effort and costs on both sides are kept to a minimum
n invoices reflecting variable remuneration are generated promptly
n the onward dissemination of the Information to external and/or internal Users is recorded in a binding manner.

This Reporting Guideline regulates:

n which forms of electronic Reporting are intended and which of these apply to the respective mode of onward dissemination (Section 2)
n which concrete content shall be contained in a report and the file format required for automatic processing of the report (Section 3)
n which options are intended for transmitting the reports electronically (Section 4).

Regarding the defined terms used in this Reporting Guideline the definitions in Section 2 of the "General Terms and Conditions to the Market Data Dissemination Agreement of Deutsche Börse AG" shall apply.

All case studies used in this Guideline are complemented by recallable sample files available on the Internet under www.deutsche-boerse.com/mds_e.

Should the Contracting Party require any assistance in setting up the electronic Reporting or have any general questions about this Guideline, it may contact Deutsche Börse AG at any time.

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[1] This applies for example to all Information Products with Delayed Information. Details are regulated by Section 9.1 of the "General Terms and Conditions to the Market Data Dissemination Agreement of Deutsche Börse AG"

2 Methods of Reporting

Basically, a differentiation is made between the following two methods of Reporting:

Usage-Based Reporting
Usage-Based Reporting is a procedure in which the number of individual quote requests for each individual Information Product in the preceding calendar month is reported on a monthly basis.

Subscriber-Based Reporting
Subscriber-Based Reporting is a procedure in which not only the Information Products are reported, but also the Locations at which Access IDs are entitled for the Contracting Party or its Subscribers. Within the frame of Section 14.4 of the "General Terms and Conditions to the Market Data Dissemination Agreement of Deutsche Börse AG" Subscriber-Based Reporting permits retroactive corrections for earlier months. In Subscriber-Based Reporting only the "adds" and "deletes" during the Reporting period are to be reported. Listing of individual Access IDs on a daily basis is possible, if an Access ID has been entitled for the first time in the course of the month in question or has been finally disentitled before the end of the month in question. The same shall apply to the assignment of Physical User IDs for the Internal Usage of the Contracting Party (see Section 2.7.4). Subscriber-Based Reporting also applies, if the Contracting Party makes available Delayed Information on the websites of Displaying Parties [1] or if the Contracting Party disseminates Information onward to Sub-Vendors.

2.1 Which Method Applies?

The Reporting method depends primarily on the means by which the Licensed Information is onward disseminated.
n Usage-Based Reporting is required if Real-time Information is disseminated to Private Individuals and charged per individual quote request.
n Subscriber-Based Reporting is required in all other cases.

Should the mode of the onward dissemination of Information not fall into only one of the above-mentioned categories, it may be necessary to utilize both Reporting methods.

2.2 Vendor Codes

Both Usage-Based Reporting and Subscriber-Based Reporting use Vendor Codes in order to identify the Contracting Party of Deutsche Börse AG which has drawn up the respective report.

Contracting Parties which have not yet received a Vendor Code are requested to get in touch with the contact at Deutsche Börse AG who is responsible for electronic Reporting. They will be assigned a unique Vendor Code which must be used for identifying their electronic reports.

Only in exceptional cases, a Vendor Code will be changed. In such cases, Deutsche Börse AG will contact the Contracting Party concerned in a timely fashion so that there is sufficient time to adjust its systems accordingly.

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[1] According to Section II "Supplemental Provisions regarding the Dissemination of Information via Webhosting" of the "General Terms and Conditions to the Market Data Dissemination Agreement of Deutsche Börse AG"

2.3 Product Codes

Both Usage-Based Reporting and Subscriber-Based Reporting use Product Codes in order to define the use of Information. Each Product Code identifies clearly:

- **n** the Information Product to which the activated Information belongs
- **n** whether the Information is displayed by individual quote request, with automatic updating function or without automatic updating function
- **n** whether the calculation of data fees is based on Physical User IDs
- **n** the medium in which the Information is activated (manner of dissemination: controlled or uncontrolled) and
- **n** what type of customer is reported (Subscriber, Sub-Vendor or Displaying Party).

Example:

The Product Code "SMGL2SST" identifies the display of the Information for the Information Product "Spot Market Germany (Frankfurt/Xetra$^{®}$) Level 2" to Subscribers without automatic updating function with controlled Access. With controlled access the Contracting Party of Deutsche Börse AG or its Service Facilitators has the direct technical control of access to and/ or use of Information and is able to directly determine the number of the Units of Count.

The Product Code "SMGL2SDF" identifies the display of the Information for the Information Product "Spot Market Germany (Frankfurt/Xetra$^{®}$) Level 2" to Subscribers without automatic updating function via uncontrolled Access, e.g. via Data-Feed. With uncontrolled access the Contracting Party or its Service Facilitator does not have a direct technical control of access and/or use of Information. The Contracting Party of Deutsche Börse AG is not able to determine the number of Units of Count without assistance of the recipients of Information.

A list of the Product Codes is available on the Internet under www.deutsche-boerse.com/mds_e.

2.4 Subscriber Code

The Subscriber Code is to be assigned by the Contracting Party in accordance with its own needs without the involvement of Deutsche Börse AG. The Subscriber Code identifies:

- **n** the Location of a Subscriber or
- **n** the Location of a Sub-Vendor or
- **n** a Displaying Party or
- **n** in case of Reporting per Physical User ID the location of the Subscribers reportings directly to Deutsche Börse AG.

The Subscriber Code is unique and consists of up to 10 characters (see Section 3.2.2), for instance: XYZ26438h.

2.5 Sequence Number

In both Usage-Based Reporting and Subscriber-Based Reporting, the reports are assigned a sequence number. If the Contracting Party uses the Reporting area in MD+S interactive (see Section 4.3) consecutive sequence numbers will be automatically assigned upon upload of a new report. In the event that the Contracting Party is submitting both Usage-Based Reporting and Subscriber-Based Reporting, the sequence numbers will be assigned separately.

2.6 How Usage-Based Reporting Functions

If the Contracting Party meets the prerequisites for Usage-Based Reporting, it will be required to record the number of individual quote requests per month per Product Code. This Information must be submitted to Deutsche Börse AG by the Contracting Party in a Usage-Based Report at the end of each month before the Reporting Deadline has expired in accordance with Section 14.4 of the "General Terms and Conditions to the Market Data Dissemination Agreement of Deutsche Börse AG".

A change from Usage-Based Reporting to Subscriber-Based Reporting shall only be possible in case of permanent disentitlement, i.e. after a period of at least one calendar month.

A Usage-Based Report must contain the following Information relevant for the calculation of variable remuneration:
- **n** the Vendor Code
- **n** the date and time when the report was created
- **n** the calendar month to which the report applies (for example 01/04/2004 till 30/04/2004) and
- **n** the total individual quote request count for each relevant Product Code.

A description of the exact format in which these data are to be reported is set out in Section 3 of this Guideline and in the sample files available on the Internet.

Example:
When the Contracting Party is taking its monthly inventory, it discovers that the Users, which are charged per individual quote request had queried a total of "123,456" real-time individual quote requests for "Spot Market Germany (Frankfurt/Xetra$^{®}$) Level 1" and 112,233 real-time individual quote requests for "Eurex$^{®}$ Level 1" on the Internet in the month of April. In accordance with the terms of the Market Data Dissemination Agreement, the Contracting Party has concluded a Vendor Service Agreement with its Subscribers and has ensured that all of those Subscribers meet all requirements mentioned in Section 13.1 of the "General Terms and Conditions to the Market Data Dissemination Agreement of Deutsche Börse AG" (otherwise Subscriber-Based Reporting is required).

The Contracting Party reports:
In a Usage-Based Report, which the Contracting Party identifies with its Vendor Code, and in which it specifies the date and time of creation, the Contracting Party reports the number "123,456" for the period "01/04/2004" till "30/04/2004" and the Product Code "SMGL1QSTPI". It reports the number "112,233" for the Product Code "ERXL1QINPI".

UB;VN1;;20040506;133000;20040401;20040430;4

SMGL1QSTPI;123456;;;;;;

ERXL1QINPI;112233;;;;;;

2.7 How Subscriber-Based Reporting Functions

2.7.1 Subscriber-Based Reporting for Subscribers

If the Contracting Party meets the prerequisites for Subscriber-Based Reporting, then it must report the number of Access IDs or Physical User IDs, as the case may be, the names of the Subscribers and the addresses of the Locations at which the Access IDs/ Physical User IDs are entitled.

Each Location is thereby allocated a unique character string by the Contracting Party, the so-called Subscriber Code. Due to the large amounts of data, a Subscriber-Based Report only contains the changes ("adds" and "deletes") which became known since the last report was drawn up. The actual inventory which applied within a particular calendar month may then be calculated from the combined results of all Subscriber-Based Reports.

Subscriber-Based Reporting shall for each of these changes contain the date on which each change came into effect. This enables both monthly billing of individual Access IDs or Physical User IDs and also retroactive corrections applying to periods prior to the preceding month.

Such retroactive corrections are only admissible in exceptional cases (for instance, to permit the results of an Audit to be taken into account in Reporting). In general, the changes which took place in the course of the preceding calendar month should be taken into account immediately when Reporting. In addition, the "General Terms and Conditions to the Market Data Dissemination Agreement of Deutsche Börse AG" regulate in Section 14.4 certain deadlines limiting the admissibility of retroactive corrections.

In detail the Contracting Party must report the following changes in a Subscriber-Based Report:

2.7.1.1 New Subscriber

When Licensed Information is entitled to a Subscriber or to a new Location of an existing Subscriber for the first time, the Contracting Party must report a unique Subscriber Code, which it has newly assigned to the Location, along with the relevant address data as well as for each relevant Product Code the number of Access IDs which are entitled to Licensed Information at this Location.

Example:
The Contracting Party's new Subscriber "X-Bank" has 3 Access IDs at its Location in Frankfurt as of 10 April 2004 which have access to Information in "Spot Market Germany (Frankfurt/Xetra®) Level 2" and "Eurex® Level 2". The Information is displayed with automatic updating function with controlled access (see above Section 2.3). In addition, the same Subscriber has two new Access IDs at its Location in New York as of 15 April 2004 which have access to the Information in "Eurex® Level 2" without automatic updating function and which are supplied via a Data Feed (uncontrolled access).

The Contracting Party reports:
The new Subscriber Code "XBANKFFM1" with address data "X-Bank AG, Y-Straße 17, 61234 Frankfurt a. M., Germany" and the effective date 10/04/2004. Also the Product Codes "SMGL2ST" and "ERXL2ST" each with the number "3" respectively and also with the effective date 10/04/2004 and the new Subscriber Code "XBANKNY1" with address data "X-Bank International, 150 Z-Street, 1006 New York City, USA", the effective date 15/04/2004 and the Product Code "ERXL2SDF" with the number "2".

SBM;VN1;;20040506;133000;20040401;20040430;4;;;;;;;

XBANKFFM1;20040410;SMGL2ST;3;3;X-Bank AG;Y-Straße 17;;;61234;Frankfurt a.M.;Germany;;Peter Müller;069 123 45 67

XBANKFFM1;20040410;ERXL2ST;3;3;X-Bank AG;Y-Straße 17;;;61234;Frankfurt a.M.;Germany;;Peter Müller;069 123 45 67

XBANKNY1;20040415;ERXL2SDF;2;2;X-Bank International;150 Z-Street;Finance Building;"Suite 42; 9th Floor";10006;New York;USA;NY;Linda Jones;01 9876 5432

2.7.1.2 Change of Address

As soon as the address of a Location of a Subscriber changes, the Contracting Party must report this by transmitting the Subscriber Code together with the new address data.

Example:
The Frankfurt Location of the Subscriber X-Bank has a new address from 10 May 2004.

The Contracting Party reports:
Subscriber Code "XBANKFFM1" with address data "X-Bank AG, Z-Straße 7, 61122 Frankfurt a. M., Germany" and the effective date 10/05/2004.

SBM;VN1;;20040603;133000;20040501;20040531;2;;;;;;;;

XBANKFFM1;20040510;;;;X-Bank AG;Z-Straße 7;;;61122;Frankfurt a.M.;Germany;;Peter Müller;069 123 45 67

2.7.1.3 Change in Inventory

If the inventory at a certain Location has changed with regard to the Product Codes due to:
n a change in the number of Access IDs entitled or Physical User IDs assigned, as the case may be, for a Product Code
n new Product Codes being added or
n existing Product Codes being permanently disentitled.

In those cases, the Contracting Party must report the changes regarding the inventory by entering the Product Code, the date and the scope of the changes, as well as the new inventory with regard to the Product Codes, into the report.

Reductions in inventory of Product Codes or in the number of Access IDs entitled or Physical User IDs assigned for a Product Code may only be reported when the respective Product Codes or Access IDs/ Physical User IDs have been permanently disentitled, and not only temporarily, i.e. for a period of less than one month.

Example:
The Frankfurt Location of the Subscriber X-Bank has only two Access IDs as per 10/06/2004 with access to Information in "Eurex[®] Level 2", the third Access ID was permanently disentitled. Simultaneously, the number of Access IDs with access to "Spot Market Germany (Frankfurt/Xetra[®]) Level 2" Information has risen to "4". In addition, one Access ID has been entitled for the Information Product "Spot Market Germany (Frankfurt/Xetra[®]) Level 2" without automatic updating function on 17/06/2004 and 24/06/2004.

The Contracting Party reports:

An inventory reduction of "1" for Subscriber Code "XBANKFFM1" and Product Code "ERXL2ST" with the effective date 10/06/2004 and the new inventory of "2". For the same Subscriber Code and Product Code "SMGL2ST", the Contracting Party reports an inventory increase by "1", the effective date 10/06/2004 and the new inventory of "4". For the new Product Code "SMGL2SST" it first reports an "add" of "1" as per 17/06/2004 with a new inventory of "1", and then a further "add" of "1" for 24/06/2004 with a new inventory of "2".

SBM;VN1;;20040703;133000;20040601;20040630;5;;;;;;;;

XBANKFFM1;20040610;ERXL2ST;-1;2;X-Bank AG;Y-Straße 17;;;61234;Frankfurt a.M.;Germany;;Peter Müller;069 123 45 67

XBANKFFM1;20040610;SMGL2ST;1;4;X-Bank AG;Y-Straße 17;;;61234;Frankfurt a.M.;Germany;;Peter Müller;069 123 45 67

XBANKFFM1;20040617;SMGL2SST;1;1;X-Bank AG;Y-Straße 17;;;61234;Frankfurt a.M.;Germany;;Peter Müller;069 123 45 67

XBANKFFM1;20040624;SMGL2SST;1;2;X-Bank AG;Y-Straße 17;;;61234;Frankfurt a.M.;Germany;;Peter Müller;069 123 45 67.

2.7.1.4 No Access IDs/Physical User IDs

If there are no Access IDs resp. Physical User IDs to be reported by the Contracting Party of Deutsche Börse AG for a month, the upload of a report is still required for this month. Therefore the Contracting Party of Deutsche Börse AG reports the Form of Report, the Vendor Code, optionally the Sequence Number (which is created also automatically by the system), the Date of Creation, the Creation Time, the Starting Date, the End Date and the Check Sum.

Example:

The Frankfurt location of the Contracting Party of Deutsche Börse AG „X-Bank" has no Access IDs per Subscriber for the period 1 May 2015 through 31 May 2015; it is the fifth uploaded report in 2015 which is uploaded on 13 June 2015 at 3:30pm.

The Contracting Party of Deutsche Börse AG reports:

SBM;VN1;5;20150613;153000;20150501;20150531;1;;;;;;;

2.7.2 Subscriber-Based Reporting for Sub-Vendors

The rules described above in Section 2.7.1 shall apply accordingly for the Reporting of Sub-Vendors by means of Subscriber-Based Reporting. In this case the Contracting Party shall report the names of the Sub-Vendors, the addresses of the Locations and the contacts for such Locations, the Information Products supplied and the dates of entitlement and de-entitlement.

Example:
The Sub-Vendor "SV-XXX" of the Contracting Party receives as of 21/04/2004 at its Location in Frankfurt Real-time Information regarding "Eurex Level 2" for the purpose of onward dissemination.

The Contracting Party reports:
The Subscriber Code "SVXXXFFM" with address data "SV-XXX AG; SV-Allee 19;;;61119 Frankfurt a.M.;Germany" and the effective date 21/04/2004. Also the Product Code "ERXL2RTREV" with the number "1":

SBM;VN1;;20040506;133000;20040401;20040430;3;;;;;;;;

SVXXXFFM;20030421;ERXL2RTREV;1;1;SV-XXX AG;SV-Allee 19;;; 61119;Frankfurt a.M.;Germany;;Arno Maier; 069 777 31 00

2.7.3 Subscriber-Based Reporting for Displaying Parties

The rules described above in Section 2.7.1 shall apply accordingly for the Reporting of Displaying Parties by means of Subscriber-Based Reporting. In this case each Displaying Party is to be reported as one Location with the relevant Product Codes.

Example:
The Contracting Party displays Delayed Information of "Spot Market Germany (Frankfurt/Xetra®) Level 1" and "Eurex® Level 1" on the website of its Displaying Party "Z-Company" starting on 10/04/2004. In accordance with Section 25 of the "General Terms and Conditions to the Market Data Dissemination Agreement of Deutsche Börse AG" the Contracting Party has the sole technical control over the Delayed Information.

The Contracting Party reports:
The new Subscriber Code "ZCOMPFFM1" with address data "Z-Company, Z-Straße 42, 61234 Frankfurt a.M., Germany" and the effective date 10/04/2004. Also the Product Codes "SMGL1DP" and "ERXL1DP" each with the number "1" and also with the effective date 10/04/2004.

SBM;VN1;;20040506;133000;20040401;20040430;3;;;;;;;;

ZCOMPFFM;20040410;SMGL1DP;1;1;Z-Company;Z-Straße 42;;;61234;Frankfurt a.M.;Germany;;Michaela Maier;069 987 65 43

ZCOMPFFM;20040410;ERXL1DP;1;1;Z-Company;Z-Straße 42;;;61234;Frankfurt a.M.;Germany;;Michaela Maier;069 987 65 43

2.7.4 Subscriber-Based-Reporting of Internal Usage

The Subscriber-Based Reporting of the Internal Usage of the Contracting Party shall be performed in accordance with Section 2.7.1. However, special Product Codes apply. Depending on the relevant Unit of Count as per Section 12.3 of the "General Terms and Conditions to the Market Data Dissemination Agreement of Deutsche Börse AG" the Contracting Party may only use either Product Codes for the reporting of Access IDs or Product Codes for the reporting of Physical User IDs.

Should the Contracting Party in its role as a Subscriber (i.e. not as a Sub-Vendor) receive Information for its Internal Usage from Information Suppliers other than Deutsche Börse AG, the Contracting Party will notify to Deutsche Börse AG the Subscriber Codes of its Information Suppliers concerned via MD+S interactive.

2.7.5 Reporting of Subscribers with Direct Reporting to Deutsche Börse AG

If a Subscriber of the Contracting Party reports its Internal Usage directly to Deutsche Börse AG the Contracting Party has to report the Subscriber Codes affected with special Product Codes which only apply for such cases and do not lead to Data Fee billing. The Contracting Party will be informed by Deutsche Börse AG of such cases via MD+S interactive. The rules set out in Sections 2.7.1 and 2.7.2 respectively apply to the number of Access IDs to be reported.

2.8 How Subscriber-Based Reporting is set up?

According to international standards for Subscriber-Based Reporting two different forms of Reporting are to be distinguished:

n An **Inventory Report** contains the total inventory of all Subscriber Codes and all Product Codes on a certain reference date.

n A **Movement Report** contains all the changes which have occurred since the last report (Inventory or Movement Report).

Deviating from such international standards Deutsche Börse AG as a rule only requests Movement Reports. As a new customer, the Contracting Party should always commence Reporting after the end of the first month with a Movement Report which contains all "adds" of that month. An Inventory Report is not required, as there was no inventory before the Market Data Dissemination Agreement came into effect. However, for the purpose of reconciling data Deutsche Börse AG may request by way of random sample an Inventory Report for a given reference date.

3   Formats

3.1 Comma Separated Values

"Comma Separated Values" (CSV) means that the messages contained in the report are arranged in lines. The individual values comprising a line are parted by a separator (Please use either a comma or a semi-colon as separator). The CSV format is commonly used and a wide range of computer programs available on the market may be used to create such files.

The sample files used for this Guideline are available on the Internet at www.deutsche-boerse.com/mds_e. They were created by using MS Excel. The following files are published on the Internet:

File Name	Description
ReportingExampleUB1.csv	Usage-Based Report, applicable to the example in 2.6
ReportingExampleSB1.csv	Subscriber-Based Movement Report, applicable to the examples in 2.7.1.1, 2.7.2 and 2.7.3
ReportingExampleSB2.csv	Subscriber-Based Movement Report, applicable to the example in 2.7.1.2
ReportingExampleSB3.csv	Subscriber-Based Movement Report, applicable to the example in 2.7.1.3
ReportingExampleSBI.csv	Inventory Report which covers the total inventory as of 30/06/2004 based on the examples 2.7.1.1, 2.7.1.2, 2.7.1.3, 2.7.2 and 2.7.3.
ReportingExamples.xls	A summary of all above-mentioned sample files as an Excel Workbook. The individual Worksheets can be saved in Comma Separated Values format by selecting the file type "CSV (Comma Delimited)" in the menu "File -> Save As".

3.2 Basic Structure

The first line of the file serves to identify the report. They contain (in this order) the following information:

Field	Format	Description
Form of Report	"UB", "SBM" or "SBI"	Form of Reporting UB: Usage-Based Report SBM: Subscriber-Based Movement Report SBI: Subscriber-Based Inventory Report
Vendor Code	Up to 4 characters	The Vendor Code of the Contracting Party creating the report
Sequence Number	Integer [1]	The sequence number of the report. At first this field remains empty. During the processing of the report the number will be assigned by MD+S interactive.
Date of Creation	Date in the format "yyyymmdd"	The date on which the report was created
Creation Time	Time in 24-hour format "hhmmss"	The time at which the report was created
Starting Date	Date in the format "yyyymmdd"	In case of Movement Reports: The first day of the calendar month to which the report applies. In case of Inventory Reports: The reference date the total inventory of which the report is showing.
End Date	Date in the format "yyyymmdd"	In case of Movement Reports: The last day of the calendar month to which the report applies. In case of Inventory Reports: The reference date the total inventory of which the report is showing.
Check Sum	Integer [1]	The number of lines contained in the report

1) A positive integer number

The remaining lines in the file contain the actual report items. Their format depends upon the form of Reporting used.

3.2.1 Usage-Based Reporting

Each line contains an indication of an amount for a Product Code as follows:

Field	Format	Description
Product Code	Up to 10 characters	Product Code as provided by Deutsche Börse AG
Number	Integer [1]	The number of individual quote requests queried in the Reporting month

1) A positive integer number

3.2.2 Subscriber-Based Reporting

Each line contains a change during the Reporting period as follows:

Field	Format	Description
Subscriber Code	Up to 10 characters	Unique Subscriber Code which the Contracting Party had assigned to its Location or the Location of its Subscriber. The Contracting Party may create a Subscriber Code arbitrarily using letters and numbers according to its own requirements. This field must always be filled in.
Effective Date	Date in the format "yyyymmdd"	In case of Movement Reports this field must always be filled in. It contains the date on which the change becomes effective. For "adds", that is the date on which the relevant Access ID or Physical User ID has been entitled or assigned for the first time; for disentitlements, it is the first day on which the relevant Access ID/ Physical User ID is no longer entitled or assigned, as the case may be. This field must always be filled in. In case of Inventory Reports this field will not be analyzed.
Product Code	Up to 10 characters	Product Code as provided by Deutsche Börse AG. This field shall be left empty in the case of a change of address.
Change	Integer	The number of newly entitled or assigned, as the case may be, or definitively disentitled Access IDs/ Physical User IDs. Disentitlements are indicated by placing a minus sign before the number. This field shall be left empty in the case of a change of address and in Inventory Reports.
Inventory	Integer	New inventory of the Product Code for the respective Subscriber Code. This field shall be left empty in the case of a change of address.
Subscriber	Up to 60 characters	Name of Subscriber or of the Contracting Party or its Affiliated Company. This field can be left empty if the Subscriber is a Private Individual within the meaning of Section 13 of "General Terms and Conditions to the Market Data Dissemination Agreement of Deutsche Börse AG".
Address line 1	Up to 30 characters	Street, house number, etc. This field must always be completed in case of professional use.
Address line 2	Up to 30 characters	Additional address information. This field may be left empty.
Address line 3	Up to 30 characters	Additional address information. This field may be left empty.
Postal Code	Up to 10 characters	Postal or zip code. This field must always be completed in case of professional use.
City	Up to 16 characters	City/town. This field must always be completed in case of professional use.
Country	Up to 30 characters	Country. This field must always be completed.
State	Up to 12 characters	The respective state must always be entered into this field in case of professional use at Locations in the USA; otherwise, this field can be left empty.
Contact	Up to 30 characters	Name of a contact at the respective Location. This field can be left empty.
Telephone	Up to 30 characters	Telephone number of contact. This field can be left empty.

3.3 Analog VARS

Should the Contracting Party already be participating in electronic Reporting using the internationally used VARS Format, it does not need to change its Reporting format. Deutsche Börse AG will continue to support this format.

For the concrete content of the VARS Reports, the above-mentioned record descriptions for the Comma Separated Values Reports shall apply mutatis mutandis.

4   Reporting Modalities

If, under the terms of the Reporting Guideline and the "General Terms and Conditions to the Market Data Dissemination Agreement of Deutsche Börse AG", the Contracting Party is obliged to participate in the electronic Reporting it shall upload the reports in Comma Separated Values or VARS Format in the Reporting area of MD+S interactive. In detail the following rules shall apply:

4.1 Contact at Contracting Party of Deutsche Börse AG

For the direct contact between Deutsche Börse AG and the Contracting Party the name of a contact who is responsible for carrying out the electronic Reporting in its company shall be indicated in MD+S interactive Contract Management and shall be provided with writing rights. Thereby this user will be authorized to upload the reports monthly via the online platform. Deutsche Börse AG will liaise with this contact by telephone or by e-mail on all issues relating to electronic Reporting in the future.

4.2 Control of the Number of Access IDs / Physical User IDs

The correct administration of the Access IDs entitled at the Contracting Party and its Subscribers for Real-time Information is a prerequisite for a proper Reporting in accordance with the terms of the Market Data Dissemination Agreement. Therefore, the Contracting Party shall be obliged to implement and maintain a reliable Entitlement System for the tracking of all Access IDs entitled provided that the Information concerned is permitted to be onward disseminated within a Closed User Group only. As far as due to technical reasons no complete Entitlement System for the tracking and administration of the Access IDs entitled at the Subscribers is possible the Contracting Party shall at least on a quarterly basis request from the relevant Subscriber the provision of an Honesty Statement confirming the number of Access IDs entitled for Information. The obligations of the Contracting Party regarding the request for Honesty Statements are stipulated in more detail in Section 11 of "General Terms and Conditions to the Market Data Dissemination Agreement of Deutsche Börse AG".

4.3 Reporting area in MD+S interactive

Deutsche Börse AG has set up a reporting area in MD+S interactive on the Internet, particularly designed for the electronic Reporting. The login can be found at MD+S interactive contractmanagement.

Reports may be uploaded ("Upload CSV report" or "Upload VARS report") and the current status of the reports already uploaded may be examined. In the next window the "Browse" button can be used to access the local drive, select the corresponding report file and upload this file to the MD+S interactive server, where it will be checked and evaluated.

The current status may either be "in process", "clarify within pending list", "processed successfully", "aborted", "rejected" or "confirmed". In the case of "clarify within pending list", "processed successfully", "rejected" or "confirmed", an e-mail will automatically be sent to the Reporting Contact Person indicated in the Customer Profile. Furthermore, the respective return notices giving an exact error description and the result of the processing of the report may be viewed by selecting the respective report and the according tab in MD+S interactive.

The User Manual "MD+S interactive Online Contract Management" is also available in MD+S interactive Contract Management.

4.4 Reporting Deadlines

If the Contracting Party sends its reports for the preceding calendar month to Deutsche Börse AG before the Reporting Deadline in accordance with Section 14.4 of the "General Terms and Conditions to the Market Data Dissemination Agreement of Deutsche Börse AG", it will receive notification whether the report has been processed error-free.

If so, the Contracting Party has fulfilled its Reporting obligation and ensured that Deutsche Börse AG has all the data necessary for the calculation of the variable remuneration. The Contracting Party should be aware that all documentation which was relevant for the report must nonetheless be retained in accordance with Section 14.7 of the "General Terms and Conditions to the Market Data Dissemination Agreement of Deutsche Börse AG".

Should errors occur during the processing of the report for which Deutsche Börse AG is not responsible, the Reporting obligation has not been fulfilled, and the Reporting Deadline must still be adhered to or may have already been exceeded.

An electronic report will not fulfill the stipulations of this Guideline if:
n it has not been structured correctly and completely
n it contains invalid Product Codes
n deviations occur when the check sums are reviewed and/or
n other irregularities are discovered, which do not permit normal processing.

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