OSLO BØRS

Oslo Børs Informasjon AS

Equity feed documentation

Version 2.10.0

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Document history

Version	Date	Description
2.8.0	25.05.2004	Old version
2.9.0	22.11.2004	• Table C2-Currency codes: Text modified. Currency code for Euro is corrected to EUR. • Record E2 – New field; Currency code • Record E3 – Text modified. Name change to Bonus Issue. • Record E4 – New field; Currency code • Record E10 – New field; Currency code • Record E11 – New field; Currency code • Record E12 – New field; Currency code • Record E15 – New field; Currency code • Record E19 – New field; Currency code • Record E21 – New Record; Private placement – IPO • Record E22 – New Record; Initial public offering (IPO)
2.10.0	28.09.2005	• Record E17 – New field; Dividend foreign currency • Record E17 – New field; Currency code • Record E17 – New dividend type; 4 Distribution • Record E17 – Text modified. Name change; Dividend type 3 changed from "Write down of nominal value" to "Refund" • Record E17 – Text modified. Name change; Field "Dividend" changed to "Dividend in NOK"

COMMON INFORMATION

General

This document contains the necessary documentation to receive the Oslo Børs Informasjon AS (OBI) Feeds.

Records appear in no particular order, nor do updates for multiple bonds.

Interpreters of the feed should be able to discard unrecognized records. This is due to future changes in record layouts will be implemented as new records. This way multiple versions of the feed can coexist and new versions implemented on short notice.

Data types

Printable characters is defined by ISO8859-1. (Ascii decimal value 32-126 and 160-255).

Integer

The Integer data type is an integer ranging from -2^{31} to 2^{31}.

Integer with enumeration

Integer with enumeration is an integer with meaning. The interpretation of the integer-value is listed in tables.

Numeric

The type Numeric will be used to limit the character set to digits. The predefined ASN.1 type VisibleString may contain any visible character from the ISO 646 (ASCII) character set, including space. A VisibleString is the implicit data type for all strings of characters in this standard. The FROM construction is used to specify character set constraints for the specified type. The Numeric data type is defined as

Numeric ::= VisibleString (FROM ("0".."9"))

meaning a string of characters from the set {"0", "1", "2", "3", "4", "5", "6", "7", "8", "9"} with no size constraint. A Numeric may have size constraints applied to it as for the VisibleString, via the SIZE construction.

NOTE: Space does not occur in the Numeric string, as opposed to the predefined ASN.1 type NumericString.

Decimal(n)

Decimal number with precision n, and an unspecified number of digits to the left of the decimal point.

Char(n)

Char(n) is a VisibleString (a string of printable characters) with a maximum length of ***n*** characters.

DayOfMonth

The encoding of the DayOfMonth type has the following abstract syntax:

```
DateEncoding ::=
    SEQUENCE {
        month Numeric (SIZE(2)),
        day Numeric (SIZE(2))
    }
```

and looks like this:
```
+--------------+
¦ M ¦ M ¦ D ¦ D ¦
+--------------+
```

Example:
A DayOfMonth value of
NotToday DayOfMonth ::= {month 05, day 31} is encoded as the VisibleString value "0531".

Date

The encoding of the Date type has the following abstract syntax:

```
DateEncoding ::=
    SEQUENCE {
        year Numeric (SIZE(4)),
        month Numeric (SIZE(2)),
        day Numeric (SIZE(2))
    }
```

and looks like this:
```
+------------------------------+
¦ Y ¦ Y ¦ Y ¦ Y ¦ M ¦ M ¦ D ¦ D ¦
+------------------------------+
```

Example:
A Date value of
today Date ::= {year 1990, month 05, day 04} is encoded as the VisibleString value "19900504".

Time

The Time data type has the following abstract syntax:

```
Time ::=
    SEQUENCE {
        hour INTEGER (0..23),
        min  INTEGER (0..59),
        sec  INTEGER (0..59),
    }
```

The encoding of a Time value is specified by the abstract syntax:

```
TimeEncoding ::=
    SEQUENCE {
        hour Numeric (SIZE(2)),
        min  Numeric (SIZE(2)),
        sec  Numeric (SIZE(2)),
    }
```
and looks like this:

```
+----------------------+
¦ H ¦ H ¦ M ¦ M ¦ S ¦ S ¦
+----------------------+
```

Local time is used. There is no indication of, nor any way to indicate, time zones.

Example:
At the time 13:06:02, the Time value is

now Time ::= { hour 13, min 6, sec 2 }

which is encoded as the VisibleString value "130602".

ISIN

The ISIN-identifier is a unique identifier of a single security as maintained by Security Clearing houses (VPS, in Norway) representing a two-level tree structure. The highest level is the country. The lowest level is the unique "number"/alphanumeric string of the security as maintained by that country's Security Central. For a full reference on ISIN-identifiers, please see International Standard ISO 6166 and Norwegian Standard NS 4126.

The ISIN-identifier type is defined as follows:

```
ISIN-identifier ::=
    SEQUENCE {
        CountryCode,
        LocalID,
        Numeric (SIZE (1))
    }
```

where the CountryCode and LocalID type are defined as follows:

CountryCode ::= VisibleString (SIZE (2) | FROM ("A".."Z"))
i.e. a string of two characters, both from the upper case alphabetic character set.

LocalID ::= VisibleString (SIZE (10) | FROM ("0".."9"|"A".."Z"|" "))

According to the standards (ISO 6166 and NS 4126), an ISIN-identifier may contain letters, spaces and digits. Applications should take care to use the entire ISIN-identifier, and not assume that the CountryCode or few most significant characters have any particular value. Such assumptions are local to a national market under favorable circumstances, and make international trade more difficult to report reliably.

Example:
A value of type ISIN-identifier could then be expressed as sample
    ISIN-identifier ::= { "NO", number "G8226B1095", "5" }
which is encoded as the VisibleString value "NOG8226B10955".

Record definitions

Fields within each record are separated by tabulators. Specifications provide the name, data type and an explanation of the information for each field of the records.

Example Record C 1 Security Identification Information:
C [TAB] 1 [TAB][TAB][TAB] 6180 [TAB] 1 [TAB] NHY [TAB] NO0005052605 [TAB][TAB] Norsk Hydro [EOL]

where the first field identifies the record as belonging to the common set of records. The second field is the record identification number, the third and fourth fields are reserved for future use, and the rest of the record appears as described in the record definitions below.

Null observations are indicated by an empty field. I.e. **[TAB] [TAB]**.

Number of records

Number of records to expect per company/security is indicated in parenthesis below the table for the record definition. The following explains the coding:
- 0   No records
- 1   Exactly one record
- 0-1 Zero or one record
- 0-n Zero or more records
- 1-n One or more records

Common Records

Record C 1 Security Identification Information

Field Name	Data Type	Field Description	NULLS	For OBI use only
Security Id	Integer	Unique number identifying the security	NO	security.sid
Security Type	Integer with enumeration	See א for identification of security types	NO	security.sec_type
Symbol	char(16)	Local code, sometimes referred to as ticker symbol	NO	security.symbol
ISIN	ISIN	International security identification number.	NO	security.isin
ISIN Subcode	char(1)	Special field separating bonds with the same ISIN code	YES	security.isin_sub code
Security Name	char(34)	Full name of security	NO	security.sec_nam e
Currency	char(3)	Three letter currency code. Refer to Table C 2 Currency codes.	NO	equity.curr_code

(1)

Record C 2 Company Identification Information

Field Name	Data Type	Field Description	NULLS	For OBI use only
Company Id	Integer	Unique number identifying the company	NO	company.cid
Country Code	char(2)	Two letter code identifying country. Refer to Table C 3 Country Codes.	NO	company.ctry_co de
Name	char(34)	Company name	NO	company.long_n ame

(1)

Record C 3 Listing Period

Field Name	Data Type	Field Description	NULLS	For OBI use only
Security Id	Integer	Unique number identifying the security	NO	listing_period.sid
Exchange	char(1)	One character code for source/exchange. Refer to Table C 4 Exchange/Source	NO	listing_period.exhg
From Date	Date	First day of listing period for this exchange	NO	listing_period.fm_d ate
To Date	Date	Last date of listing on this exchange	YES	listing_period.to_da te

(0-n)
Multiple listings/delistings are identified by multiple records.

Static Data for Common Records

Table C 1 Security Types

Security Type Id	Norwegian	English
1	Aksjer/Grunnfond	Stocks/ Primary capital certificates
2	Obligasjoner	Bonds
3	Derivater	Derivatives
4	Aggregater	Aggregates (Indices etc.)
5	Tegningsretter	Subscription rights
6	Valuta	Currency
7	Fond	Mutual funds

For OBI use only: Security Type Id = security_types.sec_type

Table C 2 Currency Codes

Currency Code	Norwegian	English
ATS	Østerriske Schilling	Austrian Schilling
AUD	Australske Dollar	Australian Dollars
BEF	Belgiske Franc	Belgian Franc
CAD	Canadiske Dollar	Canadian Dollars
CHF	Sveitsiske Franc	Swiss Franc
DEM	Deutsche Mark	German Marks
DKK	Danske kroner	Danish Kroner
EUR	Euro	Euro
ESP	Spanske Pesetas	Spanish Pesetas
FIM	Finske Mark	Finnish Mark
FRF	Franske Franc	French Franc
GBP	Britiske Pund	Pound Sterling
GRD	Greske Drachmer	Greek Drachmas
HKD	Hong Kong Dollar	Hong Kong Dollars
IEP	Irske Pund	Irish Pound
INR	Indiske Rupi	Indian Rupee
ISK	Islandske Kroner	Icelandic Kroner
ITL	Italienske Lire	Italian Lire
JPY	Japanske Yen	Japanese Yen
NLG	Nederlandske Gylden	Dutch Gulden
NOK	Norske kroner	Norwegian Kroner
PTE	Portugisiske Escudos	Portuguese Escudos
SEK	Svenske kroner	Swedish Kroner
SGD	Singapore Dollar	Singapore Dollars
USD	US Dollar	US Dollars

Table C 3 Country Codes

Country Code	Norwegian	English
NO	Norge	Norway
SE	Sverige	Sweden
US	USA	United States of America
CA	Canada	Canada
CH	Sveits	Switzerland
DE	Tyskland	Germany
DK	Danmark	Denmark
ES	Spania	Spain
FI	Finland	Finland
FR	Frankrike	France
GB	Storbritannia	Great Britain
GR	Hellas	Greece
HK	Hong Kong	Hong Kong
IE	Irland	Ireland
IN	India	India
IS	Island	Iceland
IT	Italia	Italy
JP	Japan	Japan
NL	Nederland	Netherland
PT	Portugal	Portugal
SG	Singapore	Singapore

For OBI use only: Country Code = country_code.ctry_code

Table C 4 Exchange/Source

Exchange Id	Norwegian	English
1	Oslo Børs	Oslo Stock Exchange
2	Oslo Børs Informasjon AS	Oslo Børs Informasjon AS
3	MP-NOR	MP-NOR
4	MP-SWE	MP-SWE

For OBI use only: Exchange Id = exchange.exhg
Note: Exchange Id is a character, char(1), value and not an Integer value.

Equities

The equity feed returns data for all companies that:
1. have equity-events/dividends/warrants since a specified timestamp **and**
2. are listed on the stock exchange the date the inquiry is made

OR for all companies that:
1. soon are to be listed on the stock exchange. In these cases it might be only the common-records that are returned.

There are two different types of the feed:
1. Only data on the companies with equity changes since given timestamp
2. Data on companies with equity changes since given timestamp, in addition to the last equity change of all types on all the companies that does not have any events between the given timestamp and the inquiry-date.

Identifying related events

Some events related to a company may trigger events for more than one equity class for that company. If, for example, a bond is converted to more than one equity class, several records will be generated. Such connected events are identified by having the same Company Id, Event Date, and Sequence Number.

Sequence Number

When several events take place on the same day for the same company, the order of the events affects the results. I.e. in the case of a split and a dividend payment on the same day the order is of major importance to determine whether the dividends are to be adjusted or not.

Event identifiers

For equity events, a unique identifier is included to facilitate tracking of subsequent modifications or deletions. This identifier is termed "Event Id".

Equity Records

Record E 1 Equity Information

Field Name	Data Type	Field Description	NULLS	For OBI use only
Company Id	integer	Unique number identifying the company	NO	equtiy.cid
Security Id	integer	Unique number Identifying the security	NO	equity.sid
Equity Class Id	integer with enumeration	Identifies type of equity. Refer to Table E 1 Equity Class.	NO	equity.eclass_id

Record E 2 Initial number of shares

Field Name	Data Type	Field Description	NULLS	For OBI use only
Company Id	integer	Unique number identifying the company	NO	company_event.cid
Security Id	integer	Unique number identifying the security	NO	equity_event.sid
Event Id	integer	Unique number identifying the event	NO	equity_event.echg_id
Event Date	date		NO	company_event.event_date
Sequence Number	integer	See explanation above	NO	company_event.event_seq
Payment Date	date		YES	company_event.date1
Adjustment Factor	decimal(6)		NO	event_adj_factor.adj_fact
Company owned shares	integer	Number of Company Owned Shares used in this event	YES	comp_owned_shares.new_shares
Total Company Owned Shares	integer	Number of shares the company holds of its own stock after this event	YES	comp_owned_shares.tot_shares
Number of Shares	integer	Number of shares of this class involved in this event	NO	shares.new_shares
Total Number of Shares	integer	Total number of shares in this class	NO	shares.tot_shares
Subscription Price	decimal(2)		YES	shares.price1
Currency code	char(3)	Subscription price currency	YES	price1_curr_code
Nominal Value	decimal(2)		NO	nom_value.nom_value
New Shares	integer		YES	shares.new_terms
Old Shares	integer		YES	shares.old_terms

Record E 3 Bonus Issue

Field Name	Data Type	Field Description	NULLS	For OBI use only
Company Id	integer	Unique number identifying the company	NO	company_event.cid
Security Id	integer	Unique number identifying the security	NO	equity_event.sid
Event Id	integer	Unique number identifying the event	NO	equity_event.echg_id
Event Date	date	Ex-date	NO	company_event.event_date
Sequence Number	integer	See explanation above	NO	company_event.event_seq
Adjustment Factor	decimal(6)		NO	event_adj_factor.adj_fact
Company owned shares	integer	Number of Company Owned Shares used in this event	YES	comp_owned_shares.new_shares
Total Company Owned Shares	integer	Number of shares the company holds of its own stock after this event	YES	comp_owned_shares.tot_shares
Number of Shares	integer	Number of shares of this class involved in this event	NO	shares.new_shares
Total Number of Shares	integer	Total number of shares in this class	NO	shares.tot_shares
New Shares	integer		YES	shares.new_terms
Old Shares	integer		YES	shares.old_terms

Record E 4 Rights Issue

Field Name	Data Type	Field Description	NULLS	For OBI use only
Company Id	integer	Unique number identifying the company	NO	company_event.cid
Security Id	integer	Unique number identifying the security	NO	equity_event.sid
Event Id	integer	Unique number identifying the event	NO	equity_event.echg_id
Event Date	date	Ex-date	NO	company_event.event_date
Sequence Number	integer	See explanation above	NO	company_event.event_seq
Payment Date	date		YES	company_event.date1
Adjustment Factor	decimal(6)		NO	event_adj_factor.adj_fact
Company owned shares	integer	Number of Company Owned Shares used in this event	YES	comp_owned_shares.new_shares
Total Company Owned Shares	integer	Number of shares the company holds of its own stock after this event	YES	comp_owned_shares.tot_shares
Number of Shares	integer	Number of shares of this class involved in this event	NO	shares.new_shares
Total Number of Shares	integer	Total number of shares in this class	NO	shares.tot_shares
Subscription Price	decimal(2)		YES	shares.price1
Currency code	char(3)	Subscription price currency	YES	price1_curr_code
Market Price	decimal(2)		YES	shares.price2
New Shares	integer		YES	shares.new_terms
Old Shares	integer		YES	shares.old_terms

Record E 5 Stock Split

Field Name	Data Type	Field Description	NULLS	For OBI use only
Company Id	integer	Unique number identifying the company	NO	company_event.cid
Security Id	integer	Unique number identifying the security	NO	equity_event.sid
Event Id	integer	Unique number identifying the event	NO	equity_event.echg_id
Event Date	date	Ex-date	NO	company_event.event_date
Sequence Number	integer	See explanation above	NO	company_event.event_seq
Adjustment Factor	decimal(6)		NO	event_adj_fact.adj_fact
Company owned shares	integer	Number of Company Owned Shares used in this event	YES	comp_owned_shares.new_shares
Total Company Owned Shares	integer	Number of shares the company holds of its own stock after this event	YES	comp_owned_shares.tot_shares
Number of Shares	integer	Number of shares of this class involved in this event	NO	shares.new_shares
Total Number of Shares	integer	Total number of shares in this class	NO	shares.tot_shares
Nominal Value	decimal(2)		NO	nom_value.nom_value
New Shares	integer		YES	shares.new_terms
Old Shares	integer		YES	shares.old_terms

Record E 6 Write Up of Nominal Value

Field Name	Data Type	Field Description	NULLS	For OBI use only
Company Id	integer	Unique number identifying the company	NO	company_event.cid
Security Id	integer	Unique number identifying the security	NO	equity_event.sid
Event Id	integer	Unique number identifying the event	NO	equity_event.echg_id
Event Date	date		NO	company_event.event_date
Sequence Number	integer	See explanation above	NO	company_event.event_seq
Nominal Value	decimal(2)		NO	nom_value.nom_value

Record E 7 Write Down of Nominal Value

Field Name	Data Type	Field Description	NULLS	For OBI use only
Company Id	integer	Unique number identifying the company	NO	company_event.cid
Security Id	integer	Unique number identifying the security	NO	equity_event.sid
Event Id	integer	Unique number identifying the event	NO	equity_event.echg_id
Event Date	date		NO	company_event.event_date
Sequence Number	integer	See explanation above	NO	company_event.event_seq
Nominal Value	decimal(2)		NO	nom_value.nom_value

Record E 8 Merger / Acquisition

Field Name	Data Type	Field Description	NULLS	For OBI use only
Company Id	integer	Unique number identifying the company	NO	company_event.cid
Security Id	integer	Unique number identifying the security	NO	equity_event.sid
Event Id	integer	Unique number identifying the event	NO	equity_event.echg_id
Event Date	date		NO	company_event.event_date
Sequence Number	integer	See explanation above	NO	company_event.event_seq
Effective Date	date		YES	company_event.date1
Consolidation Date	date		YES	company_event.date2
Company owned shares	integer	Number of Company Owned Shares used in this event	YES	comp_owned_shares.new_shares
Total Company Owned Shares	integer	Number of shares the company holds of its own stock after this event	YES	comp_owned_shares.tot_shares
Number of Shares	integer	Number of shares of this class involved in this event	YES	shares.new_shares
Total Number of Shares	integer	Total number of shares in this class	YES	shares.tot_shares

Record E 9 Demerger

Field Name	Data Type	Field Description	NULLS	For OBI use only
Company Id	integer	Unique number identifying the company	NO	company_event.cid
Security Id	integer	Unique number identifying the security	NO	equity_event.sid
Event Id	integer	Unique number identifying the event	NO	equity_event.echg_id
Event Date	date		NO	company_event.event_date
Sequence Number	integer	See explanation above	NO	company_event.event_seq
Effective Date	date		YES	company_event.date1
Consolidation Date	date		YES	company_event.date2
Adjustment Factor	decimal(6)		NO	event_adj_fact.adj_fact
Company owned shares	integer	Number of Company Owned Shares used in this event	YES	comp_owned_shares.new_shares
Total Company Owned Shares	integer	Number of shares the company holds of its own stock after this event	YES	comp_owned_shares.tot_shares
Number of Shares	integer	Number of shares of this class involved in this event	NO	shares.new_shares
Total Number of Shares	integer	Total number of shares in this class	NO	shares.tot_shares
Nominal Value	decimal(2)		NO	nom_value.nom_value

Record E 10 Script Dividend Alternative (Stock Dividend)

Field Name	Data Type	Field Description	NULLS	For OBI use only
Company Id	integer	Unique number identifying the company	NO	company_event.cid
Security Id	integer	Unique number identifying the security	NO	equity_event.sid
Event Id	integer	Unique number identifying the event	NO	equity_event.echg_id
Event Date	date	Ex-date	NO	company_event.event_date
Sequence Number	integer	See explanation above	NO	company_event.event_seq
Payment Date	date		YES	company_event.date1
Adjustment Factor	decimal(6)		NO	event_adj_fact.adj_fact
Company owned shares	integer	Number of Company Owned Shares used in this event	YES	comp_owned_shares.new_shares
Total Company Owned Shares	integer	Number of shares the company holds of its own stock after this event	YES	comp_owned_shares.tot_shares
Number of Shares	integer	Number of shares of this class involved in this event	NO	shares.new_shares
Total Number of Shares	integer	Total number of shares in this class	NO	shares.tot_shares
Subscription Price	decimal(2)		YES	shares.price1
Currency code	char(3)	Subscription price currency	YES	price1_curr_code
Market Price	decimal(2)		YES	shares.price2
New Shares	integer		YES	shares.new_terms
Old Shares	integer		YES	shares.old_terms

Record E 11 Employee Stock Option

Field Name	Data Type	Field Description	NULLS	For OBI use only
Company Id	integer	Unique number identifying the company	NO	company_event.cid
Security Id	integer	Unique number identifying the security	NO	equity_event.sid
Event Id	integer	Unique number identifying the event	NO	equity_event.echg_id
Event Date	date		NO	company_event.event_date
Sequence Number	integer	See explanation above	NO	company_event.event_seq
Payment Date	date		YES	company_event.date1
Company owned shares	integer	Number of Company Owned Shares used in this event	YES	comp_owned_shares.new_shares
Total Company Owned Shares	integer	Number of shares the company holds of its own stock after this event	YES	comp_owned_shares.tot_shares
Number of Shares	integer	Number of shares of this class involved in this event	YES[1]	shares.new_shares
Total Number of Shares	integer	Total number of shares in this class	YES[2]	shares.tot_shares
Subscription Price	decimal(2)		YES	shares.price1
Currency code	char(3)	Subscription price currency	YES	price1_curr_code

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[1] The field *may* be empty if the event just affects the shares the company holds of its own stock.
[2] The field *may* be empty if the event just affects the shares the company holds of its own stock.

Record E 12 Conversion from Converted Bond

Field Name	Data Type	Field Description	NULLS	For OBI use only
Company Id	integer	Unique number identifying the company	NO	company_event.cid
Security Id	integer	Unique number identifying the security	NO	equity_event.sid
Event Id	integer	Unique number identifying the event	NO	equity_event.echg_id
Event Date	date		NO	company_event.event_date
Sequence Number	integer	See explanation above	NO	company_event.event_seq
Conversion Date	date		YES	company_event.date1
Company owned shares	integer	Number of Company Owned Shares used in this event	YES	comp_owned_shares.new_shares
Total Company Owned Shares	integer	Number of shares the company holds of its own stock after this event	YES	comp_owned_shares.to_shares
Number of Shares	integer	Number of shares of this class involved in this event	NO	shares.new_shares
Total Number of Shares	integer	Total number of shares in this class	NO	shares.tot_shares
Conversion Price	decimal(2)		YES	shares.price1
Currency code	char(3)	Conversion price currency	YES	price1_curr_code

Record E 13 Conversion from Other Equity Class

Field Name	Data Type	Field Description	NULLS	For OBI use only
Company Id	integer	Unique number identifying the company	NO	company_event.cid
Security Id	integer	Unique number identifying the security	NO	equity_event.sid
Event Id	integer	Unique number identifying the event	NO	equity_event.echg_id
Event Date	date		NO	company_event.event_date
Sequence Number	integer	See explanation above	NO	company_event.event_seq
Conversion Date	date		YES	company_event.date1
Adjustment Factor	decimal(6)		NO	event_adj_fact.adj_fact
Company owned shares	integer	Number of Company Owned Shares used in this event	YES	comp_owned_shares.new_shares
Total Company Owned Shares	integer	Number of shares the company holds of its own stock after this event	YES	comp_owned_shares.tot_shares
Number of Shares	integer	Number of shares of this class involved in this event	NO	shares.new_shares
Total Number of Shares	integer	Total number of shares in this class	NO	shares.tot_shares

Record E 14 Decrease in Number of Shares

Field Name	Data Type	Field Description	NULLS	For OBI use only
Company Id	integer	Unique number identifying the company	NO	company_event.cid
Security Id	integer	Unique number identifying the security	NO	equity_event.sid
Event Id	integer	Unique number identifying the event	NO	equity_event.echg_id
Event Date	date		NO	company_event.event_date
Sequence Number	integer	See explanation above	NO	company_event.event_seq
Effective Date	date		YES	company_event.date1
Company owned shares	integer	Number of Company Owned Shares used in this event	YES	comp_owned_shares.new_shares
Total Company Owned Shares	integer	Number of shares the company holds of its own stock after this event	YES	comp_owned_shares.tot_shares
Number of Shares	integer	Number of shares of this class involved in this event	NO	shares.new_shares
Total Number of Shares	integer	Total number of shares in this class	NO	shares.tot_shares

Record E 15 Private placement

Field Name	Data Type	Field Description	NULLS	For OBI use only
Company Id	integer	Unique number identifying the company	NO	company_event.cid
Security Id	integer	Unique number identifying the security	NO	equity_event.sid
Event Id	integer	Unique number identifying the event	NO	equity_event.echg_id
Event Date	date		NO	company_event.event_date
Sequence Number	integer	See explanation above	NO	company_event.event_seq
Payment Date	date		YES	company_event.date1
Company owned shares	integer	Number of Company Owned Shares used in this event	YES	comp_owned_shares.new_shares
Total Company Owned Shares	integer	Number of shares the company holds of its own stock after this event	YES	comp_owned_shares.tot_shares
Number of Shares	integer	Number of shares of this class involved in this event	NO	shares.new_shares
Total Number of Shares	integer	Total number of shares in this class	NO	shares.tot_shares
Subscription Price	decimal(2)		YES	shares.price1
Currency code	char(3)	Subscription price currency	YES	price1_curr_code

Record E 16 Issue of Convertible Bond

Field Name	Data Type	Field Description	NULLS	For OBI use only
Company Id	integer	Unique number identifying the company	NO	company_event.cid
Security Id	integer	Unique number identifying the security	NO	equity_event.sid
Event Id	integer	Unique number identifying the event	NO	equity_event.echg_id
Event Date	date		NO	company_event.event _date
Sequence Number	integer	See explanation above	NO	company_event.event _seq
Adjustment Factor	decimal(6)		NO	event_adj_fact.adj_fa ct

Record E 17 Dividend

Field Name	Data Type	Field Description	NULLS	For OBI use only
Company Id	integer	Unique number identifying the company	NO	equity.cid
Security Id	integer	Unique number identifying the security	NO	dividend.sid
Event Date	Date		NO	dividend.ex_date
Dividend in NOK	decimal(2)	Dividend in NOK	NO	dividend.div
Dividend in Foreign Currency	decimal(2)	Dividend in other currency than NOK if applicable	NO	dividend.div_in_curr
Currency code	char(3)	If dividend in other currency than NOK	NO	dividend.curr_code
Type of Dividend	Integer	Type of dividend: 1.Normal, 2.Extraordinary, 3.Refund, 4.Distribution	NO	dividend.dividend_typ e
Number of Dividends a Year	Integer	No. of ordinary dividends per year.	NO	dividend.div_per_year
Payment Date	Date		YES	dividend.payment_dat e

Record E 18 Warrants

Field Name	Data Type	Field Description	NULLS	For OBI use only
Company Id	integer	Unique number identifying the company	YES	company_event.cid
Security Id	integer	Unique number identifying the security	NO	warrant.sid
Warrant type	integer	Type of warrant 1.American Call 2.American Put 3.European Call 4.European Put 5.Index Warrant	NO	warrant_type.wtype
Underlying Security	integer	Unique number identifying the underlying security	NO	warrant.underl_sec
Terms (Warrants)	integer	Number of warrants needed to purchase "*Shares*" shares.	NO	warrant.warr_cnt
Terms (Shares)	integer	Number of shares received for "*Warrants*" warrants	NO	warrant.sec_cnt
Subscription Price	decimal(2)		NO	warrant.price
Currency code	char(3)	Subscription price currency	NO	warrant.curr_code
Warrants issued	Integer	Number of warrants issued	NO	reg_warr_issued.total_issued

The field Company Id will be empty if the underlying security is not of Security Type Id = 1. (See table C 1 - Security Types)

Record E 19 Trading in Company Shares

Field Name	Data Type	Field Description	NULLS	For OBI use only
Company Id	integer	Unique number identifying the company	NO	company_event.cid
Security Id	integer	Unique number identifying the security	NO	equity_event.sid
Event Id	integer	Unique number identifying the event	NO	equity_event.echg_id
Event Date	date		NO	company_event.event_date
Sequence Number	integer	See explanation above	NO	company_event.event_seq
Payment Date	date		YES	company_event.date1
Company owned shares	integer	Number of Company Owned Shares used in this event	NO	comp_owned_shares.new_shares
Total Company Owned Shares	integer	Number of shares the company holds of its own stock after this event	NO	comp_owned_shares.tot_shares
Number of Shares	integer	Number of shares of this class involved in this event	YES	shares.new_shares
Total Number of Shares	integer	Total number of shares in this class	YES	shares.tot_shares
Price	decimal(2)		YES	shares.price1
Currency code	char(3)	Price currency	YES	price1_curr_code

Record E 20 Deleted events

Field Name	Data Type	Field Description	NULLS	For OBI use only
Event Id	integer	Unique number identifying the event that has been deleted. Previous updates should be disregarded.	NO	deleted_events.echg_id

Record E 21 Private placement – IPO

Field Name	Data Type	Field Description	NULLS	For OBI use only
Company Id	integer	Unique number identifying the company	NO	company_event.cid
Security Id	integer	Unique number identifying the security	NO	equity_event.sid
Event Id	integer	Unique number identifying the event	NO	equity_event.echg_id
Event Date	date		NO	company_event.event_date
Sequence Number	integer	See explanation above	NO	company_event.event_seq
Payment Date	date		YES	company_event.date1
Company owned shares	integer	Number of Company Owned Shares used in this event	YES	comp_owned_shares.new_shares
Total Company Owned Shares	integer	Number of shares the company holds of its own stock after this event	YES	comp_owned_shares.tot_shares
Number of Shares	integer	Number of shares of this class involved in this event	NO	shares.new_shares
Total Number of Shares	integer	Total number of shares in this class	NO	shares.tot_shares
Subscription Price	decimal(2)		YES	shares.price1
Currency code	char(3)	Subscription price currency	YES	price1_curr_code

Record E 22 Initial public offering (IPO)

Field Name	Data Type	Field Description	NULLS	For OBI use only
Company Id	integer	Unique number identifying the company	NO	company_event.cid
Security Id	integer	Unique number identifying the security	NO	equity_event.sid
Event Id	integer	Unique number identifying the event	NO	equity_event.echg_id
Event Date	date		NO	company_event.event_date
Sequence Number	integer	See explanation above	NO	company_event.event_seq
Payment Date	date		YES	company_event.date1
Company owned shares	integer	Number of Company Owned Shares used in this event	YES	comp_owned_shares.new_shares
Total Company Owned Shares	integer	Number of shares the company holds of its own stock after this event	YES	comp_owned_shares.tot_shares
Number of Shares	integer	Number of shares of this class involved in this event	NO	shares.new_shares
Total Number of Shares	integer	Total number of shares in this class	NO	shares.tot_shares
Subscription Price	decimal(2)		YES	shares.price1
Currency code	char(3)	Subscription price currency	YES	price1_curr_code

Static information for Equity Records

Table E 1 Equity Class

Equity Class Id	Norwegian	English
1	Ordinære aksjer	Ordinary Shares
2	A-aksjer	A Shares
3	B-aksjer	B Shares
4	C-aksjer	C Shares
5	D-aksjer	D Shares
6	F-aksjer	F Shares
7	Frie aksjer	Free Shares
8	Konverterte aksjer	Converted Shares
9	Konverterte A	Converted A Shares
10	Konverterte B	Converted B Shares
11	Konverterte F	Converted F Shares
12	Konverterte GFB	Converted Primary Capital Certificates
13	Nye aksjer	New Shares
14	Nye A	New A Shares
15	Nye B	New B Shares
16	Nye Frie	New Free Shares
17	Prioritetsaksjer	Priority Shares
18	Prioritetsaksjer A	Priority A Shares
19	Prioritetsaksjer B	Priority B Shares
20	Prioritetsaksjer F	Priority F Shares
21	Preferanseaksjer	Preference Shares
22	Preferanseaksjer A	Preference A Shares
23	Preferanseaksjer B	Preference B Shares
24	Preferanseaksjer F	Preference F Shares
25	Arbeideraksjer	Employee Shares
26	Grunnfondsbevis	Primary Capital Certificates
27	B-Frie	Free B Shares
28	Diverse	Other