

Executive Order No. 435 of 9 May 2011

Executive Order on Number Information Databases¹

Pursuant to section 31(3) of Act No. 169 of 5 March 2011 on Electronic Communications Networks and Services, the following provisions shall apply:

Part 1

Definitions and scope

1. This Executive Order shall apply to:

1. collection, recording and updating of number information data,
2. passing on of number information data, and
3. consumer protection.

2.-(1) Number information data shall mean information about subscriber numbers assigned to end-users, containing the name, address, occupation (if applicable), subscriber number and the category of service for which the subscriber number is used.

(2) A data seller shall mean a provider of electronic communications networks or services who assigns 8-digit subscriber numbers to end-users.

(3) A data buyer shall mean any person who wants to acquire number information data.

Part 2

Collection, registration and updating of number information data

3.-(1) The data seller shall collect and register number information data in connection with the establishment of a contract on access to electronic communications networks or services between the provider and the end-user.

(2) As a minimum, number information data collected and recorded by the data seller under subsection (1) shall contain the data specified in Annex 1, fields no. 1-24.

(3) At the request of the end-user, the data seller shall also collect and record the data specified in Annex 1, fields no. 25-27.

4.-(1) The data seller and the data buyer shall ensure that the end-user is able to verify and correct his number information data as soon as possible after the end-user has requested it.

(2) However, when the end-user's number information data is deleted, cf. section 31(4) of the Act on Electronic Communications Networks and Services, the data buyer and the data seller shall carry out deletion immediately after the end-user's request for this.

(3) The data seller and the data buyer may not demand payment for omitting data about the end-user or for verifying, correcting or deleting the end-user's number information data.

5.-(1) The data buyer shall update his own databases with the number information data of the end-users as soon as possible after the data seller's delivery of updated number information data, cf. section 9.

(2) However, when the end-user's number information data is deleted, cf. section 31(4) of the Act on Electronic Communications Networks and Services, the data buyer shall carry out updating directly after the data seller's delivery of updated number information data.

Part 3

Passing on of number information data

6.-(1) The data seller shall pass on the number information data on end-users that the data seller has collected and recorded pursuant to sections 3 and 4, subject to section 31(4) of the Act on Electronic Communications Networks and Services.

(2) The obligation in subsection (1) shall not include versions of directories containing the number information data mentioned in subsection (1) where the directories have been further processed via data processing.

7. In relation to the data seller's obligation to pass on number information data under section 6, it shall be without significance whether the data seller has placed the data in question in a special intra-group business area or transferred the data to an independent legal entity.

8.-(1) When passing on number information data, the data seller shall structure the data as specified in Annex 1.

(2) The data buyer is entitled to have number information data delivered in the format described in Annex 1.

9. As a minimum, the data seller shall provide the following electronic delivery and updating solutions:

1. total extract,
2. daily updating, and
3. monthly updating.

Part 4

Consumer protection

10. In connection with the establishment or modification of customer relationship, the data seller shall inform the end-user of the rights mentioned in section 4, as well as the rights following from section 31(4) of the Act on Electronic Communications Networks and Services, and section 29(3) of the Act on the Civil Registration System.

Part 5

Coming into force and transitional provisions

11.-(1) This Executive Order shall come into force on 25 May 2011.

(2) Executive Order No. 731 of 30 June 2008 on Number Information Databases shall be repealed.

National IT and Telecom Agency, 9 May 2011

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Annex 1

Data content and structure of number information

For each end-user, cf. section 3(2), the data seller shall collect and record the information in fields no. 1-23, as specified in Tables A, B, C and D below. For foreign addresses, fields no. 1-11 and no. 24 shall be completed.

At the request of the end-user, the data seller shall also collect and register the information in fields no. 25-27, cf. section 3(3), as specified in Table E.

In connection with a data seller's passing on of information, cf. sections 6-9, the transaction information under no. 28-35 in Table F shall also be passed on for each end-user (data record).

A. Identification

General:

For each number to be recorded independently in the number information database, the number to which the information is associated be related must be recorded.

| No. | Element name | Description | OIOXML element name and domain |
|------------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Telephone number | 8-digit Danish telephone number without the international prefix or any extension number. For confidential numbers, the field shall only be completed if the passing on of information is to the universal service provider's directory enquiry service (118). | DanishTelephoneNumberIdentifier <restriction base="string"> <pattern value="[0-9]{8}" /> </restriction> |
| 2 | Service type | To be used for indicating the type of telephony service with which the number is associated. The possible values are: "L" for a traditional PSTN landline "M" for a mobile telephone "V" for IP telephony (Voice over IP) "A" for other service types | TelephoneServiceTypeCode <restriction base="string"> <enumeration value="L" /> <enumeration value="M" /> <enumeration value="V" /> <enumeration value="A" /> </restriction> |

B. Sub-number series

General:

If the number registered is a main number for one or more number series, each of these shall be registered by indicating the first and last numbers in the series.

| | | | |
|---|----------------------------|----------------------------------------------------------------------------------------------|----------------------------------------|
| 3 | Number series start | The first number in the associated series. The same type as (1), an 8-digit Danish telephone | DanishTelephoneNumberIdentifier |
|---|----------------------------|----------------------------------------------------------------------------------------------|----------------------------------------|

number without any prefix or extension number.

```
<restriction base="string">
```

```
<pattern value="[0-9]{8}" />
```

```
</restriction>
```

TelephoneNumberRangeEndIdentifier

4 Number series end

The last number in the associated series. The same type as (1), an 8-digit Danish telephone number without any prefix or extension number.

```
<restriction base="string">
```

```
<pattern value="[0-9]{8}" />
```

```
</restriction>
```

C. Subscriber information

General:

For each number, the registered end-user(s) shall be indicated in fields no. 5-11. If the subscription is anonymous, only field no. 5 shall be completed.

5 Anonymous subscription

Indication showing whether the number relates to an anonymous subscription (true) or whether a known address is associated with the subscription (false). The most common type of anonymous subscription is prepaid phonecards.

AnonymousPrepaidIndicator

```
<...type="boolean"/>
```

6 First name

Person first name(s) if the subscriber is a natural person, or if the subscription is associated with a natural person. If the subscriber has several first names, these should be indicated in the same field separated by spaces.

PersonGivenName

```
<restriction base="string">
```

```
<minLength value="1" />
```

```
<maxLength value="50" />
```

```
</restriction>
```

PersonMiddleName

```
<restriction base="string">
```

```
<minLength value="1" />
```

```
<maxLength value="40" />
```

```
</restriction>
```

PersonSurnameName

7 Middle name

Person middle name(s) if the subscriber is, or is associated with, a natural person.

8 Surname

Person surname(s) if the subscriber is, or is associated with, a natural person.

```
<restriction base="string">
```

| | | |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| | | <minLength value="1" /> |
| | | <maxLength value="40" /> |
| | | </restriction> |
| | | EmploymentPositionName |
| | | <restriction base="string"> |
| 9 Occupation | Occupation (if applicable) if the subscriber is, or is associated with, a natural person. | <minLength value="1" /> |
| | | <maxLength value="40" /> |
| | | </restriction> |
| | | OrganizationName |
| | | <restriction base="string"> |
| 10 Business name | Name of business, institution, association etc. if the subscriber is a legal person or the subscription is associated with a legal person. | <minLength value="1" /> |
| | | <maxLength value="100" /> |
| | | </restriction> |
| | | TelephoneSubscriberProtectionCode |
| | | <restriction base="string"> |
| | | <enumeration value="N"/> |
| 11 Confidential/omitted marking | N=not confidential, U=omitted, H=confidential (number), A=address confidential. | <enumeration value="U"/> |
| | | <enumeration value="H"/> |
| | | <enumeration value="A"/> |
| | | </restriction> |

D. Address information

General:

For each end-user, an address shall be collected and recorded if this is known.

If a Danish address is associated with the number, it shall contain the information under no. 12-23, whereas foreign addresses shall only be registered as 3-6 address lines in no. 24.

Description

No. Element name

OIOXML element name and domain

| | | | |
|----|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 12 | Municipality code | Code for the municipality in which the address is located, as shown in the CPR ² road directory. The municipality code, together with the road code, constitutes a unique identification of a road name. Municipality codes are determined by the Ministry of Social Affairs. | <p>MunicipalityCode</p> <p>Using CPR AuthorityCodeType i.e.</p> <pre><restriction base="string"> <pattern value="[0-9]{4}" /> </restriction></pre> |
| 13 | Road code | Unique identification of the relevant road name (cf. no. 14 below) within the municipality as shown in the CPR road directory. Road codes are determined by the municipal council and are registered in the CPR road directory. Road names proper have codes in the interval 0001-9899. Codes >=9900 are used for administrative purposes. | <p>StreetCode</p> <pre><restriction base="string"> <pattern value="[0-9]{4}" /> </restriction></pre> |
| 14 | Road name | The specific name of a road, street, square, path etc. as shown in the CPR road directory. Road names are determined by the municipal council and are registered in the CPR road directory. | <p>StreetName</p> <pre><restriction base="string"> <minLength value="1" /> <maxLength value="40" /> </restriction></pre> |
| 15 | House number | Number description including an upper-case letter (if applicable). House numbers are determined by the municipal council. If the house number includes a letter, this is a necessary part of the complete and correct address. | <p>StreetBuildingIdentifier</p> <pre><restriction base="string"> <pattern value="([1-9][1-9][0-9] [1-9][0-9]{2}) ([1-9][A-Z][1-9][0-9][A-Z][1-9][0-9]{2}[A-Z])" /> </restriction></pre> |
| 16 | Floor | Identification (if applicable) describing the floor at which the entrance door is located. It is recommended to use lower-case letters ("st", "kl") [<i>ground floor, basement</i>]. | <p>FloorIdentifier</p> <pre><restriction base="string"> <pattern value="[1-9][1-9][0-</pre> |

| | | |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| | However, upper-case letters are also permitted ("ST", "KL"). | 9][KL ST kl st k[2-9]]K[2-9]" /> </restriction> |
| 17 Door | Identification (if applicable) describing the location of a specific entrance door at a floor (landing) in the stairway concerned. The descriptions "tv", "mf" and "th" [<i>left/mid/right</i>] should be used when there are up to three doors on the landing. If there are more doors, the numbers 1, 2, 3, 4 etc. should be used. However, other descriptions of up to four characters may also be applied. | SuiteIdentifier <restriction base="string"> <minLength value="1" /> <maxLength value="4" /> </restriction> |
| 18 Locality (name of building) | Any farm name, name of property, building or dwelling etc. used as a supplementary postal address description. "Locality" is a supplement to the address description, i.e. the address will be unique even if the supplement is left out. | MailDeliverySublocation Identifier <restriction base="string"> <minLength value="1" /> <maxLength value="34" /> </restriction> |
| 19 Town name | Any town name, place name etc. defined as part of the complete and unique address description, cf. the CPR road directory. Town name should not be confused with postal district. The town name specifies the location of the address, for instance if the postal district or municipality has road names that are identical or sound alike. | DistrictSubdivisionIdentifier <restriction base="string"> <minLength value="1" /> <maxLength value="34" /> </restriction> |
| 20 Post office box | PO box number (if applicable). To be given as four digits. | PostOfficeBoxIdentifier <restriction base="integer"> <minInclusive value="1"/> |

| | | |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 21 Postcode | The postcode under which the relevant address is located, cf. the CPR road directory. The postcode consists of four digits, identifying a specific postal district or part of a district, cf. Post Danmark's classification. | <maxInclusive value="9999"/> </restriction> |
| 22 Postal district | The name of the postal district in plain text, cf. Post Danmark, corresponding to the postcode. | PostCodeIdentifier <restriction base="string"> <pattern value="[0-9]{4}" /> </restriction> |
| 23 c/o name | C/o name (if applicable) used at the address. | DistrictName <restriction base="string"> <minLength value="1" /> <maxLength value="20" /> </restriction> |
| 24 Foreign address | A foreign address (if applicable) shall be given as 3-6 address lines. | CareOfName <restriction base="string"> <maxLength value="34" /> </restriction> SecondaryPostalLabel <sequence> <element ref="dkcc:PostalAddressFirstLineText"/> <element ref="dkcc:PostalAddressSecondLineText"/> <element ref="dkcc:PostalAddressThirdLineText"/> <element ref="dkcc:PostalAddressFourthLineText" minOccurs="0"/> <element ref="dkcc:PostalAddressFifthLineText" |

minOccurs="0"/>

<element
ref="dkcc:PostalAddressSixthLineText"
minOccurs="0"/>

</sequence>

E. Special information

General:

For each end-user, the information under no. 25-27 may be collected and recorded.

| No. | Element name | Definition | OIOXML element or attribute(@) name and domain |
|-----|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 25 | Consent to further usage | Indicates whether the end-user has explicitly consented to further usage of information (true). | FurtherUsageConsentIndicator <...type="boolean"/> |
| 26 | Permitted further usage types | To the extent that the end-user has explicitly consented to further usage of information, the type of usage shall be indicated. | FurtherUsageConsentText <...type="string"/> |
| 27 | Specific usage | If the number is expected to be used with a specific type of apparatus - and this is known to the data seller - the type of usage shall be indicated here. The possible values are: "F" for fax "T" for text telephone "P" for payphone | TelephoneSpecificUsageCode <restriction base="string"> <enumeration value="F"/> <enumeration value="T"/> <enumeration value="P"/> </restriction> |

F. Transaction information etc.

General:

In connection with a data seller's delivery of number information data, fields no. 28-35 shall be completed.

Fields no. 28-30 and 34-35 shall be completed once per delivery (file). Fields no. 31-33 shall be completed for each end-user.

| No. | Element name | Definition | OIOXML element or attribute(@) name and domain |
|-----|--------------|------------|------------------------------------------------|
|-----|--------------|------------|------------------------------------------------|

| | | |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| 28 Provider | The data provider's business name and any provider code. | OrganizationName |
| | | <restriction base="string"> |
| | | <minLength value="1"/> |
| | | <maxLength value="100" /> |
| | | </restriction> |
| 29 Delivery serial number | Serial number identifying data deliveries made at different times. | SerialNumberIdentifier |
| | | <...type="integer"/> |
| 30 Time of delivery | Indication of the time of delivery. UTC (Coordinated Universal Time) shall be used ("YYYY-MM-DDThh:mm:ss+01:00"). | LookupDateTime |
| | | <...type="xs:dateTime"/> |
| 31 Movement | Indication showing that the relevant data record in a periodic total extract has been changed since the last extract (true). | MovementChangeIndicator |
| | The type of movement (SLET/OPRET/STATUS) [<i>delete/create/status</i>] made by the data seller in respect of fields no. 1-27 about the relevant end-user for a certain period back. | <...type="boolean"/> |
| 32 Movement type | SLET means deletion of all end-users associated with the telephone number. If the deletion of all end-users associated with the telephone number is not intended, OPRET should be created after SLET for those end-users that should either remain unchanged or be changed. | MovementTypeCode |
| | | <restriction base="string"> |
| | | <enumeration value="SLET"/> |
| | | <enumeration value="OPRET"/> |
| | | <enumeration value="STATUS"/> |
| | | </restriction> |
| | For lists with List type (35) = true, i.e. complete lists, this field may only have the value "STATUS". | |
| | For lists with List type (35) = false, i.e. lists of changes (updating lists), this field may only have the values "SLET" or "OPRET". It may not assume the value "STATUS". | |

- | | | | |
|----|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| 33 | Movement date | Date of data seller's latest update of data for the end-user concerned, cf. fields 1-27. | MovementDate <...type="date"/> |
| 34 | List usage | Indicates whether the list may only be used by authorities and the universal service provider (true), in which case subscribers who have requested confidential or omitted numbers are included in the list, or whether it is for general use (false). | SubscriptionListOfficialOnlyIndicator <...type="boolean"/> |
| 35 | List type | Indicates whether the list is a complete list of subscribers (true) or whether it only contains changes (false). | SubscriptionListCompleteIndicator <...type="boolean"/> |

The authoritative W3C Xml Schema definitions for telecommunications subscribers and collections of telecommunications subscribers and their underlying data structures as described in this document can be found via the common public portal digitaliser.dk.

Endnotes

¹ This Executive Order implements parts of Directive 2002/58/EC of the European Parliament and of the Council of 12 July 2002 on the processing of personal data and the protection of privacy in the electronic communications sector, Official Journal 2002 No. L 108, p. 51, as amended by Directive 2009/136/EC of the European Parliament and of the Council of 25 November 2009 amending Directive 2002/22/EC on universal service and users' rights relating to electronic communications networks and services (Universal Service Directive), Directive 2002/58/EC concerning the processing of personal data and the protection of privacy in the electronic communications sector (Directive on privacy and electronic communications) and Regulation (EC) No. 2006/2004 on cooperation between national authorities responsible for the enforcement of consumer protection laws (the Regulation on consumer protection cooperation) (Official Journal 2009 No. L 337, p. 11).

² CPR: Det Centrale Personregister (Central Register of Civil Registration)