

Samræmt skráarsnið

Upplýsingar um áskrifendur fjarskiptafyrirtækja til upplýsingaþjónustuveitu.

Lýsing

Um er að ræða skjal til þess að senda upplýsingar um áskrifendur fjarskiptafyrirtækis til upplýsingaþjónustuveitu. Skráarsniðið er á XML samkvæmt sniðmáti sem lýst er í XML skema (**PhoneBookReportSchema.xsd**) en það má finna í viðhengi.

Tög í XML skemanu eru á ensku enda notuð af forritum og ekki ætluð til lestrar. Tög eru í þessu skjali aðgreind með < og >. Þannig er t.d. tagið fyrir Nafn: <Name>. Tög geta verið samsett af fleiri tögum eða einföld. Þannig er t.d. tagið <Address> samsett af fleiri undirtögum svo sem <Street> , <City> og <Zip> svo dæmi séu tekin. Tög geta verið valkvæð. Þegar svo háttar til eru þau sýnd með punktalinu í lýsingu.

Á Mynd 1 má sjá einfalt dæmi um skráningarskjal þar sem verið er að:

- afskrá eitt númer (0123456),
- breyta skráningu á einu númeri (1234567) og
- nýskrá eitt númer (2345678).

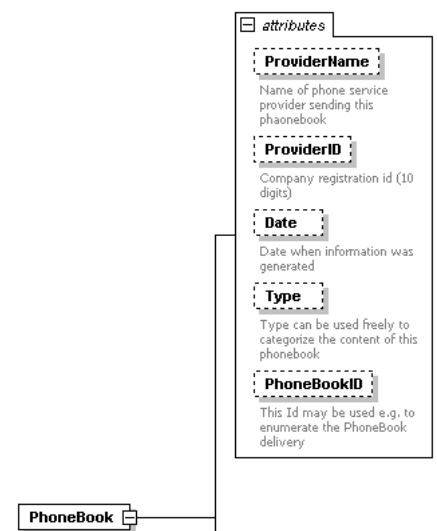
```
<?xml version="1.0" encoding="UTF-8"?>
<PhoneBook Type="DeleteAndEntryList" ProviderID="0123456789" ProviderName="Eitthvað símafélag" Date="2013-02-17T09:30:47Z" PhoneBookID="0"
  xsi:noNamespaceSchemaLocation="PhoneBookReportSchema.xsd" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <DeleteEntry Number="0123456"/>
  <DeleteEntry Number="1234567"/>
  <Entry Number="1234567">
  <Entry Number="2345678">
</PhoneBook>
```

Mynd 1 Dæmi um einfalt XML skeyti fyrir 3 símanúmer. Tilkynnt er um að færsla fyrir númerin 0123456 og 1234567 skuli eytt. Einnig fylgir með endurskráning á númeri 123456 og nýskráning á 2345678.

Símaskráin (<PhoneBook>) kann að innihalda enga eða fleiri færslur af gerðunum Afskráning (<DeleteEntry>) og Skráning (<Entry>). Afskráningar eru ávallt listaðar á undan skráningum.

Sem eigindi á tagið <PhoneBook> má skrá eftirfarandi valkvæðar upplýsingar:

- Tegund <Type>. Tegund má nota að vild til að flokka innihaldið í skjalinu.
- Kennitala símafélags <ProviderID>
- Nafn símafélags <ProviderName>
- Dagsetning og tími <Date>
- Auðkenni símaskrár (þ.e.a.s. þessarar sendingar) <PhoneBookID>. Þessa færslu mætti t.d. nota til að númera xml skjal ef mörg eru send þar sem hvert skjal



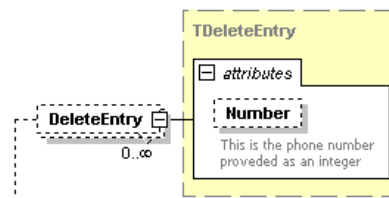
Mynd 2 Eigindi símaskrár.

inniheldur hluta af heildar upplýsingunum.



Afskráning er gerð með einfaldri eyðingar færslu (DeleteEntry) sem inniheldur einungis viðkomandi númer (<Number>).

Ath. að ef handhafi númers vill ekki láta númerið birtast í símaskrá þá skal ekki vera færsla um viðkomandi í XML skjalinu nema um afskráningu sé að ræða.

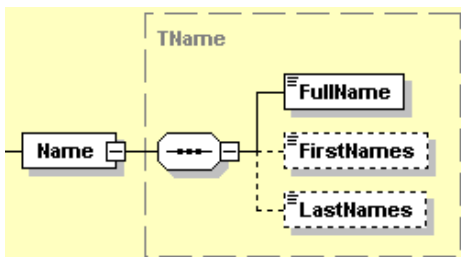


Mynd 3 Afskráning númers.

Skráning er framkvæmd með færslu (<Entry>) sem auk númers (<Number>) inniheldur eftirfaraandi upplýsingar:

- Kennitölu (sem má ekki birta, en má nota til að halda utan um skráninguna) <PersonID>
- Nafn <Name>
- Heimilisfang (Valkvætt) <Address>
- Eigindi (ekkert eða fleiri) <Attribute>

Kennitölu skal skrá sem 10 stafa tölu í reitinn <PersonID>.



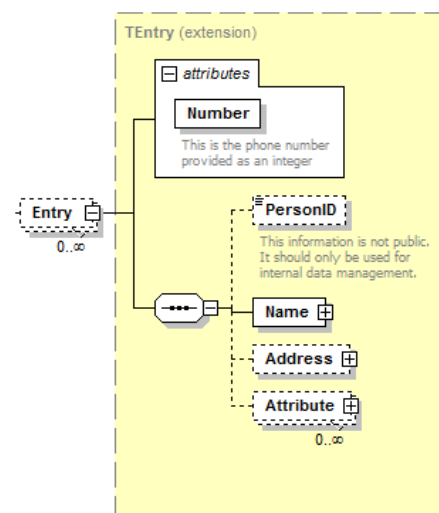
Mynd 5 Gagnasnið nafns.

Nafn skal skrá með allt að 128 bókstöfum í reitinn <FullName>. Til viðbótar má skipta skráningu á

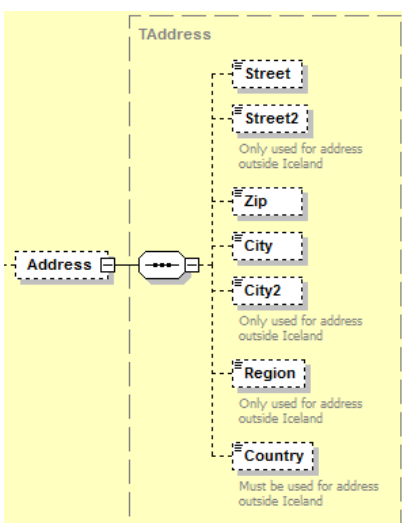
fullu nafni í eiginöfn (<FirstNames>) og

kenninöfn (<LastNames>) svipað og gert er í vegabréfi viðkomandi ef skráður aðili er einstaklingur og þessi

skipting er þekkt.



Mynd 4 Skráning númers.



Mynd 6 Gagnasnið heimilsfangs.

Heimilisfang (<Address>) er skráð sem Gatan (og númer), Póstfang, Sveitarfélag og Land í reitina: <Street>, <Zip>, <City>, <Country>. Ef heimilisfang er erlent má einnig nota reitina <Street2>, <City2> og/eða <Region> . Sjá Mynd 6.

Eigindi (<Attribute>) geta verið af ýmsu tagi og eru notuð viðbótar upplýsingar. Eigindi er skráð með því að gefa upp <ID>, <Label>, <Type> og <Value>. Eftirfarandi reglur gilda:

<ID> Samræmt, einkvæmt gildi, allt að 16 bókstafir, sem er ákvarðað af PFS. Gildinu er ætlað að Einungis eitt gildi er skilgreint:

- **NoMarketing** af gerðinni boolean.

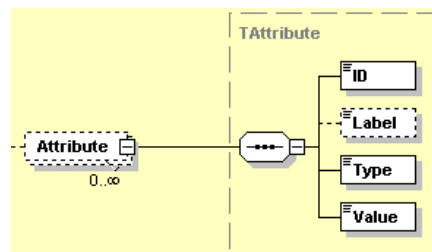
PFS getur bætt við gildum.

<Label> Valkvæður texti (allt að 32 bókstöfum) sem lýsir innihaldinu. T.d. „Bann við markaðssetningu“ eða „Bannmerking“

<Type> Gagnategund (allt að 16 bókstafir) gildisins í Value. Leyfileg gildi eru: **int, string, boolean, double**.

<Value> Gildi fyrir viðkomandi eigindi. Þetta er allt að 64 bókstafa strengur. Sniðmát hans skal vera samkvæmt eftirfarandi töflu:

Gagnategund(Type)	Gildi (Value)	Dæmi 1	Dæmi 2
int	Einhver heiltala	23	-4
string	Einhver texti	Halló	Bless
boolean	0, 1	1	0
double	Rauntala með punkti (ekki kommu) ef aukastafir	-24.24324	23455

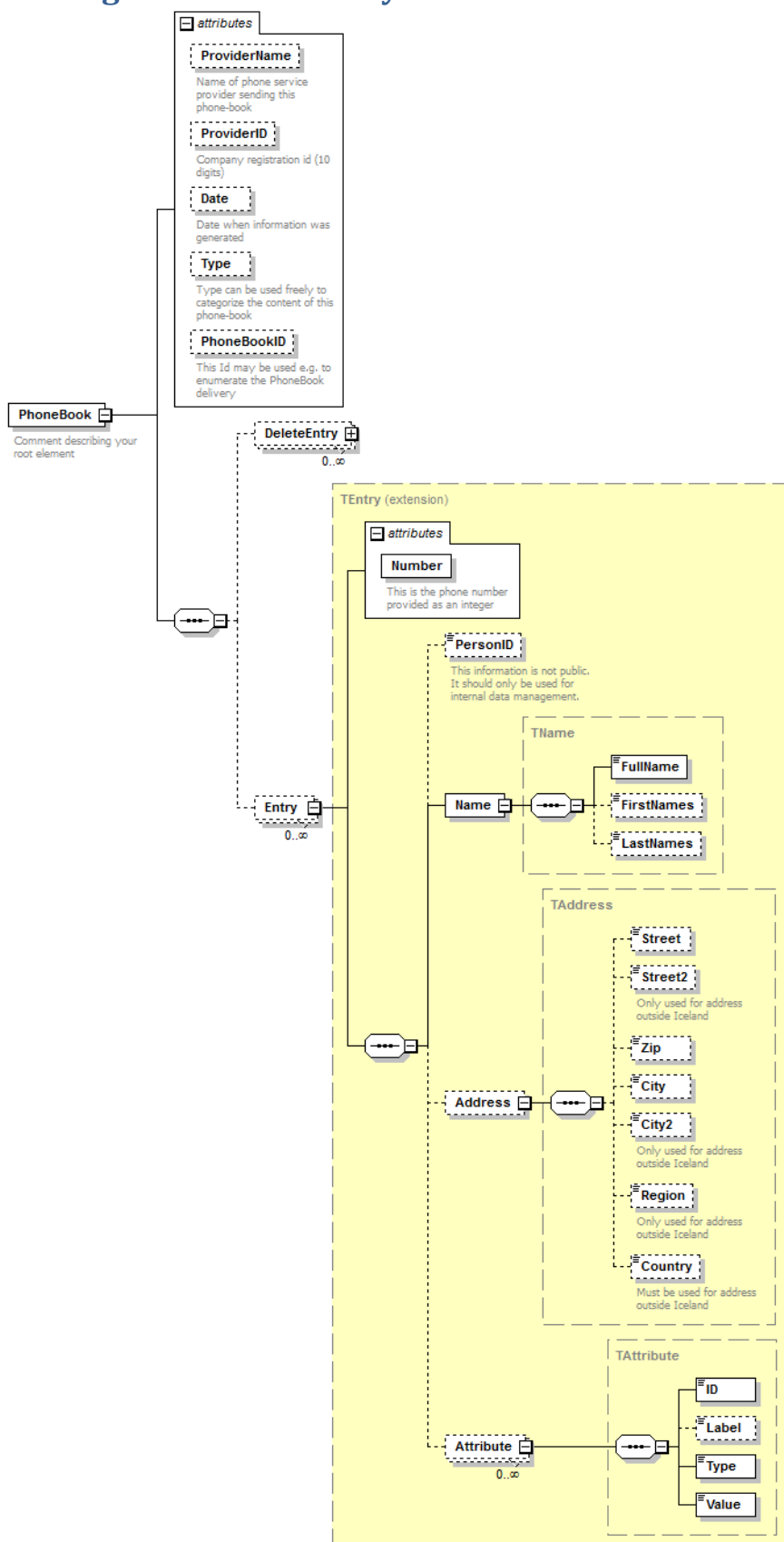


Mynd 7 Gagnasnið eigindis er notað fyrir bannmerkingu.

Ath. að alltaf skal fylgja eigindið NoMarketing jafnvel þótt gildið sé 0.

Dæmi um xml skeyti er í viðhengi.

Viðhengi: Skráarsnið á myndrænu formi



Mynd 8 Myndræn framsetning á skemanu sem lýsir símaskránni.



Viðhengi: Skráarsnið sem XML skema

Skjalið hefur nafnið: **PhoneBookReportSchema.xsd**. Innihald þess skjals er:

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- edited with XMLSpy v2014 rel. 2 sp1 (x64) (http://www.altova.com) by Thorsteinn Steinarsson (Self) -->
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified" attributeFormDefault="unqualified">
  <xs:element name="PhoneBook">
    <xs:annotation>
      <xs:documentation>Comment describing your root element</xs:documentation>
    </xs:annotation>
    <xs:complexType>
      <xs:sequence>
        <xs:element name="DeleteEntry" type="TDeleteEntry" minOccurs="0"
maxOccurs="unbounded"/>
        <xs:element name="Entry" minOccurs="0" maxOccurs="unbounded">
          <xs:complexType>
            <xs:complexContent>
              <xs:extension base="TEntry"/>
            </xs:complexContent>
          </xs:complexType>
        </xs:element>
      </xs:sequence>
      <xs:attribute name="ProviderName">
        <xs:annotation>
          <xs:documentation>Name of phone service provider sending this phone-
book</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="64"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:attribute>
      <xs:attribute name="ProviderID">
        <xs:annotation>
          <xs:documentation>Company registration id (10 digits)</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:length value="10"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:attribute>
      <xs:attribute name="Date" type="xs:dateTime">
        <xs:annotation>
          <xs:documentation>Date when information was generated</xs:documentation>
        </xs:annotation>
      </xs:attribute>
      <xs:attribute name="Type" type="xs:string">
        <xs:annotation>
          <xs:documentation>Type can be used freely to categorize the content of this
phone-book</xs:documentation>
        </xs:annotation>
      </xs:attribute>
      <xs:attribute name="PhoneBookID" type="xs:string">
        <xs:annotation>
          <xs:documentation>This Id may be used e.g. to enumerate the PhoneBook
delivery</xs:documentation>
        </xs:annotation>
      </xs:attribute>
    </xs:complexType>
  </xs:element>
  <xs:complexType name="TEntry">
    <xs:sequence>
      <xs:element name="PersonID" minOccurs="0">
        <xs:annotation>
          <xs:documentation>This information is not public. It should only be used for
internal data management.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
```



```
<xs:length value="10"/>
</xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="Name" type="TName"/>
<xs:element name="Address" type="TAddress" minOccurs="0"/>
<xs:element name="Attribute" type="TAttribute" minOccurs="0" maxOccurs="unbounded">
  <xs:annotation>
    <xs:documentation>
      </xs:documentation>
    </xs:documentation>
  </xs:annotation>
</xs:element>
</xs:sequence>
<xs:attribute name="Number" type="xs:int" use="required">
  <xs:annotation>
    <xs:documentation>This is the phone number provided as an integer</xs:documentation>
  </xs:annotation>
</xs:attribute>
</xs:complexType>
<xs:complexType name="TName">
  <xs:sequence>
    <xs:element name="FullName">
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:maxLength value="128"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="FirstNames" minOccurs="0">
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:maxLength value="64"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="LastNames" minOccurs="0">
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:maxLength value="64"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
  </xs:sequence>
</xs:complexType>
<xs:complexType name="TAddress">
  <xs:sequence>
    <xs:element name="Street" minOccurs="0">
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:maxLength value="64"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="Street2" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Only used for address outside Iceland</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:maxLength value="64"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="Zip" minOccurs="0">
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:maxLength value="16"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="City" minOccurs="0">
      <xs:simpleType>
        <xs:restriction base="xs:string">
```



```

        <xs:maxLength value="64"/>
    </xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="City2" minOccurs="0">
    <xs:annotation>
        <xs:documentation>Only used for address outside Iceland</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="64"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="Region" minOccurs="0">
    <xs:annotation>
        <xs:documentation>Only used for address outside Iceland</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="64"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="Country" minOccurs="0">
    <xs:annotation>
        <xs:documentation>Must be used for address outside
Iceland</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="64"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
</xs:sequence>
</xs:complexType>
<xs:complexType name="TAttribute">
    <xs:sequence>
        <xs:element name="ID">
            <xs:simpleType>
                <xs:restriction base="xs:string">
                    <xs:maxLength value="16"/>
                </xs:restriction>
            </xs:simpleType>
        </xs:element>
        <xs:element name="Label" minOccurs="0">
            <xs:simpleType>
                <xs:restriction base="xs:string">
                    <xs:maxLength value="32"/>
                </xs:restriction>
            </xs:simpleType>
        </xs:element>
        <xs:element name="Type">
            <xs:simpleType>
                <xs:restriction base="xs:string">
                    <xs:maxLength value="16"/>
                </xs:restriction>
            </xs:simpleType>
        </xs:element>
        <xs:element name="Value">
            <xs:simpleType>
                <xs:restriction base="xs:string">
                    <xs:maxLength value="64"/>
                </xs:restriction>
            </xs:simpleType>
        </xs:element>
    </xs:sequence>
</xs:complexType>
<xs:complexType name="TDeleteEntry">
    <xs:attribute name="Number" type="xs:int" use="required">
        <xs:annotation>
            <xs:documentation>This is the phone number provided as an integer</xs:documentation>
        </xs:annotation>
    </xs:attribute>
</xs:complexType>

```



```
</xs:annotation>  
</xs:attribute>  
</xs:complexType>  
</xs:schema>
```



Viðhengi: Dæmi um xml skeyti

```
<?xml version="1.0" encoding="UTF-8"?>
<PhoneBook Type="String" ProviderID="0123456789" ProviderName="Eitthvað símafélag" Date="2013-
02-17T09:30:47Z" PhoneBookID="0"
xsi:noNamespaceSchemaLocation="PhoneBookReportSchema.xsd"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <DeleteEntry Number="0123456"/>
  <DeleteEntry Number="1234567"/>
  <Entry Number="1234567">
    <PersonID>1234561234</PersonID>
    <Name>
      <FullName>Jón Jónsson</FullName>
      <FirstNames>Jón</FirstNames>
      <LastNames>Jónsson</LastNames>
    </Name>
    <Address>
      <Street>Séðsvallagata 1</Street>
      <Zip>200</Zip>
      <City>Kópavogur</City>
      <Country>Ísland</Country>
    </Address>
    <Attribute>
      <ID>NoMarketing</ID>
      <Label>Bannmerking</Label>
      <Type>boolean</Type>
      <Value>1</Value>
    </Attribute>
  </Entry>
  <Entry Number="2345678">
    <PersonID>2345671234</PersonID>
    <Name>
      <FullName>John Iron Smith</FullName>
      <FirstNames>John </FirstNames>
      <LastNames>Iron Smith</LastNames>
    </Name>
    <Address>
      <Street>34 Somewhere</Street>
      <Street2>Over the Hill</Street2>
      <Zip>SO31 4NG</Zip>
      <City>SOUTHAMPTON</City>
      <Country>Bretland</Country>
    </Address>
    <Attribute>
      <ID>NoMarketing</ID>
      <Label>Bannmerking</Label>
      <Type>boolean</Type>
      <Value>0</Value>
    </Attribute>
  </Entry>
</PhoneBook>
```