

XML format definition for RES 35

A. Structure of the RES 35 XML file

A RES 35 submission is built with the following tree structure:

- Satellite system information
 - Launch information (for each satellite system)
 - Space station characteristics (for each launch)
 - Frequency characteristics (for each space station)

A submission must contain at least one launch, with one space station and with one set of frequency band.

B. Definition of the fields

Res35_notice = RES 35 satellite system information

- adm: Country symbol of the notifying administration
- ntwk_org: Symbol of the organization operating regional or international satellite networks
- sat_name: name of the satellite system. A notification submission under Art. 11 for this satellite system should have already been sent to the Bureau.
- Ms_step: RES 35 milestone indicator:
 - M0 = initial deployment information under Resolve 2 and 3
 - M1= 1st milestone, deployment information under Resolve 7.a and 8.a
 - M2= 2nd milestone, deployment information under Resolve 7.b and 8.b
 - M3= 3rd milestone, deployment information under Resolve 7.c and 8.c

Res35_launch = RES 35 launch information

- Lsp_name: name of the launch vehicle provider
- Vehicle: name of the launch vehicle
- d_launch: date of the launch
- Facility: name of the launch facility

Per launch: Res35_sp_stn = RES 35 space station characteristics

- itu_sat_id: itu_sat_id indicated in the latest notification information
- Sp_stn_name: name of the space station
- Apog_km: orbital characteristics of the space station (altitude of the apogee in kilometers)
- Perig_km: orbital characteristics of the space station (altitude of the perigee in kilometers)
- Incl_ang: orbital characteristics of the space station (inclination in degrees)
- Perig_arg: orbital characteristics of the space station (argument of the perigee in degrees)

Per space station: Res35_freq = RES 35 space station frequency characteristics

- Freq_min: lower bound of the frequency range for the space station transmit or receive frequency range

- Freq_max: upper bound of the frequency range for the space station transmit or receive frequency range

C. RES 35 XML file

```

<res35_notice>
  <adm></adm>
  <ntwk_org></ntwk_org>
  <sat_name></sat_name>
  <ms_step></ms_step>
  <res35_launch>
    <lsp_name></lsp_name>
    <vehicle></vehicle>
    <d_launch></d_launch>
    <facility></facility>
  <res35_sp_stn>
    <itu_sat_id></itu_sat_id>
    <sp_stn_name></sp_stn_name>
    <apog_km></apog_km>
    <perig_km></perig_km>
    <incl_ang></incl_ang>
    <perig_arg></perig_arg>
    <res35_freq>
      <freq_min></freq_min>
      <freq_max></freq_max>
    </res35_freq>
  </res35_sp_stn>
</res35_launch>
</res35_notice>

```

D. XSD schema

```

<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="res35_notice">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="adm" type="xs:string"/>
        <xs:element name="ntwk_org" type="xs:string"/>
        <xs:element name="sat_name" type="xs:string"/>
        <xs:element name="ms_step" type="xs:string"/>
        <xs:element name="res35_launch" maxOccurs="unbounded">
          <xs:complexType>
            <xs:sequence>
              <xs:element name="lsp_name" type="xs:string"/>
              <xs:element name="vehicle" type="xs:string"/>
              <xs:element name="d_launch" type="xs:string"/>
              <xs:element name="facility" type="xs:string"/>
              <xs:element name="res35_sp_stn" maxOccurs="unbounded">
                <xs:complexType>

```

```
<xs:sequence>  
    <xs:element name="itu_sat_id" type="xs:string"/>  
    <xs:element name="sp_stn_name" type="xs:string"/>  
    <xs:element name="apog_km" type="xs:decimal"/>  
    <xs:element name="perig_km" type="xs:decimal"/>  
    <xs:element name="incl_ang" type="xs:decimal"/>  
    <xs:element name="perig_arg" type="xs:decimal"/>  
    <xs:element name="res35_freq" maxOccurs="unbounded">  
        <xs:complexType>  
            <xs:sequence>  
                <xs:element name="freq_min" type="xs:decimal"/>  
                <xs:element name="freq_max" type="xs:decimal"/>  
            </xs:sequence>  
        </xs:complexType>  
    </xs:element>  
</xs:sequence>  
</xs:complexType>  
</xs:element>  
</xs:sequence>  
</xs:complexType>  
</xs:element>  
</xs:sequence>  
</xs:complexType>  
</xs:element>  
</xs:schema>
```

E. Example of a completed RES 35 XML file

```
<res35_notice>
  <adm>G</adm>
  <ntwk_org></ntwk_org>
  <sat_name>OSCAR-8</sat_name>
  <ms_step>M0</ms_step>
  <res35_launch>
    <lsp_name>Provider</lsp_name>
    <vehicle>Vehicle#1</vehicle>
    <d_launch>12.04.2020</d_launch>
    <facility>CAPE CANAVERAL</facility>
  <res35_sp_stn>
    <itu_sat_id>124500001_50_1</itu_sat_id>
    <sp_stn_name>Station #1</sp_stn_name>
    <apog_km>800</apog_km>
    <perig_km>12000</perig_km>
    <incl_ang>54</incl_ang>
    <perig_arg>23</perig_arg>
  <res35_freq>
    <freq_min>11700</freq_min>
    <freq_max>12500</freq_max>
```

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```

    </res35_freq>
</res35_sp_stn>
<res35_sp_stn>
  <itu_sat_id>124500001_50_2</itu_sat_id>
  <sp_stn_name>Station #2</sp_stn_name>
  <apog_km>800</apog_km>
  <perig_km>12000</perig_km>
  <incl_ang>54</incl_ang>
  <perig_arg>23</perig_arg>
  <res35_freq>
    <freq_min>11700</freq_min>
    <freq_max>12500</freq_max>
  </res35_freq>
</res35_sp_stn>
</res35_launch>
<res35_launch>
  <lsp_name>Provider #2</lsp_name>
  <vehicle>Vehicle #2</vehicle>
  <d_launch>12.05.2020</d_launch>
  <facility>EDWARDS</facility>
<res35_sp_stn>
  <itu_sat_id>124500001_52_1</itu_sat_id>
  <sp_stn_name>Station #3</sp_stn_name>
  <apog_km>234</apog_km>
  <perig_km>127</perig_km>
  <incl_ang>23</incl_ang>
  <perig_arg>63</perig_arg>
  <res35_freq>
    <freq_min>11700</freq_min>
    <freq_max>12500</freq_max>
  </res35_freq>
</res35_sp_stn>
<res35_sp_stn>
  <itu_sat_id>124500001_52_3</itu_sat_id>
  <sp_stn_name>Station #4</sp_stn_name>
  <apog_km>234</apog_km>
  <perig_km>127</perig_km>
  <incl_ang>23</incl_ang>
  <perig_arg>63</perig_arg>
  <res35_freq>
    <freq_min>11700</freq_min>
    <freq_max>12500</freq_max>
  </res35_freq>
</res35_sp_stn>
</res35_launch>
</res35_notice>

```