**Mask-schema.xsd**

<?xml version="1.0"?>

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

 <xs:annotation>

 <xs:documentation source="ITU masks schema v.4.0.0.0 2015-05-26 Rec ITU-R S. 1503-2"/>

 </xs:annotation>

 <xs:element name="satellite\_system">

 <xs:complexType>

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 <xs:element ref="pfd\_mask" minOccurs="0" maxOccurs="99"/>

 <xs:element ref="eirp\_mask\_es" minOccurs="0" maxOccurs="99"/>

 <xs:element ref="eirp\_mask\_ss" minOccurs="0" maxOccurs="99"/>

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 <xs:maxInclusive value="999999999"/>

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 <xs:maxLength value="20"/>

 <xs:minLength value="1"/>

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 </xs:complexType>

 <xs:unique name="uniqueness">

 <xs:selector xpath="pfd\_mask|eirp\_mask\_es|eirp\_mask\_ss"/>

 <xs:field xpath="@mask\_id"/>

 </xs:unique>

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 <xs:element name="by\_a" maxOccurs="unbounded">

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 <xs:element ref="by\_b" maxOccurs="unbounded"/>

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 <xs:enumeration value="alpha\_deltaLongitude"/>

 <xs:enumeration value="X\_deltaLongitude"/>

 <xs:enumeration value="azimuth\_elevation"/>

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 <xs:restriction base="xs:string">

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 </xs:simpleType>

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 <xs:attribute name="b\_name" use="required">

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 <xs:restriction base="xs:string">

 <xs:enumeration value="alpha"/>

 <xs:enumeration value="X"/>

 <xs:enumeration value="azimuth"/>

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 </xs:simpleType>

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 <xs:attribute name="c\_name" use="required">

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 <xs:restriction base="xs:string">

 <xs:enumeration value="deltaLongitude"/>

 <xs:enumeration value="elevation"/>

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 </xs:simpleType>

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 <xs:enumeration value="40"/>

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 <xs:documentation>the minimum elevation angle at which any associated earth station can transmit to a non-geostationary satellite.</xs:documentation>

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 <xs:attribute name="d\_name" use="required">

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 <xs:pattern value="separation angle"/>

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 <xs:documentation>identificator of associated specific earth station. -1 for non specific earth station </xs:documentation>

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 </xs:simpleType>

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 <xs:attribute name="d\_name" use="required">

 <xs:simpleType>

 <xs:restriction base="xs:string">

 <xs:pattern value="separation angle"/>

 </xs:restriction>

 </xs:simpleType>

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