

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

H.741.1

Corrigendum 1
(02/2015)

SERIES H: AUDIOVISUAL AND MULTIMEDIA SYSTEMS

IPTV multimedia services and applications for IPTV –
IPTV application event handling

IPTV application event handling: Audience
measurement operations for IPTV services

Corrigendum 1: Correction on XML namespaces

Recommendation ITU-T H.741.1 (2012) –
Corrigendum 1

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Recommendation ITU-T H.741.1

IPTV application event handling: Audience measurement operations for IPTV services

Corrigendum 1

Correction on XML namespaces

Summary

Corrigendum 1 to ITU-T H.741.1 replaces the XML namespaces for audience measurement schemas in Appendices VIII and IX. The namespaces were defined as URNs but should adopt the format of URLs, according to the ITU-T Authors' Guide for drafting ITU-T Recommendations.

History

Edition	Recommendation	Approval	Study Group	Unique ID*
1.0	ITU-T H.741.1	2012-06-29	16	11.1002/1000/11660
1.1	ITU-T H.741.1 (2012) Amd. 1	2013-01-25	16	11.1002/1000/11886
1.2	ITU-T H.741.1 (2012) Cor. 1	2015-02-20	16	11.1002/1000/12459

* To access the Recommendation, type the URL <http://handle.itu.int/> in the address field of your web browser, followed by the Recommendation's unique ID. For example, <http://handle.itu.int/11.1002/1000/11830-en>.

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The World Telecommunication Standardization Assembly (WTSA), which meets every four years, establishes the topics for study by the ITU-T study groups which, in turn, produce Recommendations on these topics.

The approval of ITU-T Recommendations is covered by the procedure laid down in WTSA Resolution 1.

In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

NOTE

In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

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Recommendation ITU-T H.741.1

IPTV application event handling: Audience measurement operations for IPTV services

Corrigendum 1

Correction on XML namespaces

1) Appendix VIII

Modify Appendix VIII as shown:

Appendix VIII

XML schema on the data structures for audience measurement service discovery

(This appendix does not form an integral part of this Recommendation.)

This is the XML schema that can be exchanged for audience measurement service discovery.

```
<?xml version="1.0" encoding="UTF-8"?>
<schema xmlns:aml="http://www.itu.int/xml-namespace/itu-t/h.741.1/servicediscoveryurn:itut:iptv:am:part1:2012" xmlns:am2="http://www.itu.int/xml-namespace/itu-t/h.741.2/datastructureurn:itut:iptv:am:part2:2012" xmlns="http://www.w3.org/2001/XMLSchema" targetNamespace="http://www.itu.int/xml-namespace/itu-t/h.741.1/servicediscoveryurn:itut:iptv:am:part1:2012" elementFormDefault="qualified" attributeFormDefault="unqualified">
  <annotation>
    <documentation xml:lang="en"><![CDATA[
      This schema (H.770-v1.xsd) contains the elements to be included in [b-ITU-T H.770] for the discovery of AM services, which are described in Appendix I of H.741.1.doc.
      The namespace of the schema is "http://www.itu.int/xml-namespace/itu-t/h.741.1/servicediscoveryurn:itut:iptv:am:part1:2012", and its preferred namespace prefix is "aml".]]>
    </documentation>
  </annotation>
  <import namespace="http://www.itu.int/xml-namespace/itu-t/h.741.2/datastructureurn:itut:iptv:am:part2:2012" schemaLocation="http://www.itu.int/xml-namespace/itu-t/h.741.2/H.741.2-v1.xsd"/>
  <import namespace="http://www.w3.org/XML/1998/namespace" schemaLocation="http://www.w3.org/2001/03/xml.xsd"/>
  <!-- ===== -->
  <!-- ===== -->
  <!-- Data Elements for H.741 Part.1 -->
  <!-- ===== -->
  <!-- ===== -->
  <!-- ===== -->
  <!-- Elements for the discovery of AM services (Table I.1) -->
  <!-- ===== -->
  <element name="AMServiceDiscovery" type="aml:AMServiceDiscoveryType"/>
```

```

<complexType name="AMServiceDiscoveryType">
  <sequence>
    <element name="PermissionOperationModes" type="am1:PermissionLevelType"
maxOccurs="unbounded"/>
    <element name="Addresses" type="am1:AddressesType"/>
    <element name="ConfigurationModes" type="am1:ConfigurationModesType"/>
    <element name="MeasurementReportTransportProtocol" type="am1:ProtocolType"
maxOccurs="unbounded"/>
    <element name="CryptographicProtocol"
type="am1:CryptographicProtocolWithPreferredType" maxOccurs="unbounded"/>
    <element name="Compression" type="am1:CompressionWithPreferredType"
minOccurs="0" maxOccurs="unbounded"/>
  </sequence>
  <attribute name="preferred" type="boolean" use="optional" default="false"/>
</complexType>
<!-- ===== -->
<simpleType name="PermissionLevelType">
  <restriction base="NMTOKEN">
    <enumeration value="External"/>
    <enumeration value="Internal"/>
    <enumeration value="Hybrid"/>
  </restriction>
</simpleType>
<!-- ===== -->
<complexType name="AddressesType">
  <sequence>
    <element name="Unicast" type="am1:UnicastType" minOccurs="0"/>
    <element name="Multicast" type="am1:MulticastType" minOccurs="0"/>
  </sequence>
</complexType>
<complexType name="UnicastType">
  <sequence>
    <element name="ConfigRequestAddress" type="am2:URL" minOccurs="0"/>
    <element name="ErrorAddress" type="am2:URL" minOccurs="0"/>
  </sequence>
</complexType>
<complexType name="MulticastType">
  <sequence>
    <element name="MulticastHybridAddress" type="am1:MulticastAddressType"
minOccurs="0"/>
    <element name="MulticastPushAddress" type="am1:MulticastAddressType"
minOccurs="0"/>
    <element name="ErrorAddress" type="am2:URL" minOccurs="0"/>
    <element name="AckAddress" type="am2:URL" minOccurs="0"/>
  </sequence>
</complexType>
<complexType name="MulticastAddressType">
  <simpleContent>
    <extension base="am2:IpAddressType">
      <attribute name="port" type="unsignedShort" use="required"/>
      <attribute name="sourceAddress" type="am2:IpAddressType"
use="required"/>
    </extension>
  </simpleContent>
</complexType>
<!-- ===== -->
<complexType name="ConfigurationModesType">
  <sequence>
    <element name="Push" type="am1:ConfigurationModeType" minOccurs="0"/>
    <element name="Pull" type="am1:ConfigurationModeType" minOccurs="0"/>
    <element name="Hybrid" type="am1:ConfigurationModeType" minOccurs="0"/>
  </sequence>
</complexType>
<complexType name="ConfigurationModeType">

```

```

    <sequence>
      <element name="TransportProtocol" type="am1:ProtocolType"
maxOccurs="unbounded"/>
      <!-- The element name "TransportProtocols" is changed into
"TransportProtocol" for consistency with the -->
    </sequence>
    <attribute name="preferred" type="boolean" use="optional" default="false"/>
  </complexType>
  <complexType name="ProtocolType">
    <simpleContent>
      <extension base="NMTOKEN">
        <attribute name="preferred" type="boolean" use="optional"
default="false"/>
      </extension>
    </simpleContent>
  </complexType>
  <!-- ===== -->
  <complexType name="CryptographicProtocolWithPreferredType">
    <simpleContent>
      <extension base="am2:CryptographicProtocolType">
        <attribute name="preferred" type="boolean" use="optional"
default="false"/>
      </extension>
    </simpleContent>
  </complexType>
  <!-- ===== -->
  <complexType name="CompressionWithPreferredType">
    <simpleContent>
      <extension base="am2:CompressionType">
        <attribute name="preferred" type="boolean" use="optional"
default="false"/>
      </extension>
    </simpleContent>
  </complexType>
</schema>

```

2) Appendix IX

Modify clause IX.3.1 as shown:

IX.3.1 Instance based on Figure III.14

Figure IX.13 is an instance based on Figure III.14 (End-user information for configuration packages).

```

<?xml version="1.0" encoding="UTF-8"?>
<am4:MulticastConfigMsg protocolVersionMajorId="3F"
protocolVersionMinorId="57" messageId="562256" expirationTime="2012-05-
05T23:59:59" xmlns:am4="http://www.itu.int/xml-namespaces/itu-
t/h.741.4/messagedeliveryurn:itut:iptv:am:part4:2012" xmlns:am3="
http://www.itu.int/xml-namespaces/itu-t/h.741.3/lineartv
urn:itut:iptv:am:part3:2012" xmlns="http://www.itu.int/xml-namespaces/itu-
t/h.741.2/datastructureurn:itut:iptv:am:part2:2012"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:itut:iptv:am:part4:2012 http://www.itu.int/xml-
namespace/itu-t/h.741.4/H.741.4-v1.xsd">
  <am4:MessageType>MulticastConfigurationMsg</am4:MessageType>
  —<am4:Digest></am4:Digest>
  —<am4:Signature>12</am4:Signature>
  —<am4:ResponseQualifier>NoAcknowledge_Or_ErrorResponseRequested
</am4:ResponseQualifier>
  <am4:ThresholdRange lower="00" upper="00"/>
  <am4:UserInfoTargetString type="occupation"
ignoreIfUnavailable="false">doctor</am4:UserInfoTargetString>
  <am4:UserInfoTargetString type="income" ignoreIfUnavailable="true">over
200,000 Euros</am4:UserInfoTargetString>
  <am4:ImmediateAndFutureConfiguration/>
</am4:MulticastConfigMsg>

```

Figure IX.13 – Instance for end-user information for configuration packages

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