

Broadcaster / Content provider right requirements.

Draft version. 1.5
15. June 2017

Note: Changes compared to previous versions marked with yellow.

Purpose:

The purpose of this document, is to give an overview of the different content rights required by different content providers, and an insight into how content rights is handled by the different broadcasters, this overview should be used as a basis for future discussions on the requirements that needs to be added to the TV-Anytime format.

Broadcasters:

1. DR:

DR has two fields in their metadata containing rights information, the field called `ppu_streaming_od` and `ppu_streaming_od_kill_date_utc`.

The `ppu_streaming_od` field indicates if On-demand is allowed for this specific content, the `ppu_streaming_od_kill_date_utc` field indicates when the content must be removed.

Example:

```
<ppu_streaming_od>TRUE</ppu_streaming_od>
<ppu_streaming_od_kill_date_utc>2017-06-13T21:59:59</ppu_streaming_od_kill_date_utc>
```

Representation in TVA:

`ppu_streaming_od` :

This is covered by the presence of a `OnDemandProgram`

`ppu_streaming_od_kill_date_utc` :

`<tva:OnDemandProgram>...`

`<tva:EndOfAvailability>2010-09-19T20:00:00+01:00</tva:EndOfAvailability>`

2. TV2 Denmark:

TV2 Denmark has multiple fields indicating rights, for indicating if On-Demand is allowed or not they have four fields `odp_code`, `odp_name`, `odp_start_timestamp_available` and `odp_stop_timestamp_available`.

The `odp_code` field indicates the On-Demand product that is allowed for the specific content, currently the only product supported is "cu7d" indicating that you are allowed to do 7 days catch-up on the specific event, the `odp_name` field contains the name of the od product.

Optional the feed might contain the `odp_start_timestamp_available` and `odp_stop_timestamp_available`, these fields indicate if the content has a special ondemand window.

Beside the On-demand rights, the feed also contains fields to indicate if you are allowed to skip forward in a program segment, a program is split up into segments, ex. The first segment might be a commercial segment where you are not allowed to skip forward, and the second program segment, is the actual program.

Segment Example:

```
"evt_segments" : {
  "segment" : [ {
    "seg_id" : "20671192984321",
    "seg_start_timestamp_tx" : "2017-03-15T05:57:35.880",
    "seg_stop_timestamp_tx" : "2017-03-15T05:59:54.480",
    "seg_type" : "Commercial",
    "seg_isprintable" : false,
    "seg_isskipable" : false
  }
]
```

```

}, {
  "seg_id" : "20671192986321",
  "seg_start_timestamp_tx" : "2017-03-15T05:59:57.480",
  "seg_stop_timestamp_tx" : "2017-03-15T06:22:11.320",
  "seg_type" : "Segment of program",
  "seg_isprintable" : false,
  "seg_isskipable" : true
}

```

Representation in TVA:

seg_id, seg_isprintable, seg_isskipable:

```

<tva:SegmentInformation fragmentId="1" segmentId="crId://tv2.dk/uniqSeg_id"
isSkippable="false" isPrintable="true">
  <tva:ProgramRef crId="crId://tv2.dk/uniqProg_id"/>
  <tva:Description>
    <tva:Title type="main" xml:lang="en">Advertising</tva:Title>
  </tva:Description>

```

seg_start_timestamp_tx, seg_stop_timestamp_tx:

```

<tva:SegmentLocator>
  <!--Locates the segment within a programme (instance) in terms of start time and duration
(optional). If the duration is not specified, the segment ends at the end of the programme.-->
  <tva:MediaRelIncrTimePoint>PT00H15M01S</tva:MediaRelIncrTimePoint> <!-- Relative
to the start of the program -->
  <tva:MediaIncrDuration>PT00H04M10S</tva:MediaIncrDuration> <!--If the duration is not
specified, the segment ends at the end of the programme.-->
</tva:SegmentLocator>
</tva:SegmentInformation>

```

On-Demand Example:

```

"evt_od_products" : {
  "od_product" : [ {
    "odp_code" : "cu7d",
    "odp_name" : "catch up - 7 days"
  } ]
}

```

Representation in TVA:

odp_code:

Use the <tva:OnDemandProgram>...StartOfAvailability

odp_name:

<tva:ProgramInformation ...>...<tva:Title type="main">Chicago ire</tva:Title>

odp_start_timestamp_available:

<tva:OnDemandProgram> ...
 <tva:StartOfAvailability>2010-09-12T20:15:00+01:00</tva:StartOfAvailability>

odp_stop_timestamp_available

<tva:OnDemandProgram>...
 <tva:EndOfAvailability>2010-09-19T20:00:00+01:00</tva:EndOfAvailability>

3. Viacom:

Viacom has one field (vod_catchup) indicating if catchup is allowed or not, and one field (online_simulcast) indicating if online simulcast is allowed.

Example:

```
<programme start="20160928060010 +0200" stop="20160928070006 +0200" channel="MTV Denmark">
  <title lang="da">MTV Breakfast Club</title>
  <vod_catchup>false</vod_catchup>
  <online_simulcast>Yes</online_simulcast>
</programme>
```

Representation in TVA:

vod_catchup:

This is covered by the presence of a OnDemandProgram

online_simulcast:

BroadcastEvent

4. SBS:

SBS has 3 fields in their feed, kanalgruppe, startdato and slutdato.

Kanalgruppe is the type of catchup that is allowed for the particular event, and startdato and slutdato is the catchup window.

Example:

```
<ondemandrettigheder>
  <kanalgruppe>Catch up</kanalgruppe>
  <startdato>2017-03-15</startdato>
  <slutdato>2017-04-14</slutdato>
</ondemandrettigheder>
```

Representation in TVA:

Kanalgruppe:

This is covered by the presence of a OnDemandProgram.

Startdato:

```
<tva:OnDemandProgram> ...
<tva:StartOfAvailability>2010-09-12T20:15:00+01:00</tva:StartOfAvailability>
```

Slutdato:

```
<tva:OnDemandProgram>...
<tva:EndOfAvailability>2010-09-19T20:00:00+01:00</tva:EndOfAvailability>
```

5. Eurosport:

The Eurosport feed contains multiple rights fields, it contains the two date fields Licensing_Window_Start and Licensing_Window_End, indicating the On-demand license window, but in addition to this it also contains the "Device_Rights" field, indicating the platforms that this content is available on.

Example:

```
<Emission ID="13627594">
  <StartTimeUTC>12:32:08</StartTimeUTC>
  <EndTimeUTC>13:52:32</EndTimeUTC>
  <Licensing_Window_Start>2015-03-15</Licensing_Window_Start>
  <Licensing_Window_End>2015-03-22</Licensing_Window_End>
  <Duration>4824</Duration>
  <Sport>CYCLING</Sport>
  <Title>CYCLING: Paris-Nice, France</Title>
  <Feature>Stage 7 </Feature>
  <BroadcastType>LIVE</BroadcastType>
  <DateFirstBroadcast>2015-03-15</DateFirstBroadcast>
  <Device_Rights SET_TOP_BOX="1" INTERNET="1" MOBILE="1" />
</Emission>
```

Representation in TVA:

StartTimeUTC and Licensing_Window_Start:

```
<tva:OnDemandProgram> ...
<tva:StartOfAvailability>2010-09-12T20:15:00+01:00</tva:StartOfAvailability>
```

EndTimeUTC Licensing_Window_End:

```
<tva:OnDemandProgram>...
<tva:EndOfAvailability>2010-09-19T20:00:00+01:00</tva:EndOfAvailability>
```

Duration:

```
<tva:OnDemandProgram>...
<tva:PublishedDuration>PT02H15M01S</tva:PublishedDuration>
```

It is 1 Device-element pr devicetype and it may include 0 to many DeviceOS.

Describing "platforms that this content is available on":

Device_Rights:

```
<tva:RightsStatement> ...
<tva:Device deviceid="anyURI" blocked="true">
  <tva:DeviceName>STB</tva:DeviceName>
  <tva:DeviceType>
    <name>STB</name>
  </tva:DeviceType>
  <tva:AccessStatus blocked="false"/>
</tva:Device>
<tva:Device deviceid="anyURI" blocked="true">
  <tva:DeviceName>WEB</tva:DeviceName>
  <tva:DeviceType>
    <name>WEB</name>
```

```

        </tva:DeviceType>
        <tva:AccessStatus blocked="false"/>
    </tva:Device>
    <tva:Device deviceid="anyURI" blocked="true">
        <tva:DeviceName>Phone</tva:DeviceName>
        <tva:DeviceType>
            <name>phone</name>
        </tva:DeviceType>
        <!--Adding to example: ...but not available for IOS and Android ->
        <tva:DeviceOS blocked="true">
            <name>iOS</name>
        </tva:DeviceOS>
        <tva:DeviceOS blocked="true">
            <name> Android</name>
        </tva:DeviceOS>
        <tva:AccessStatus blocked="false"/>
    </tva:Device>

```

Subscription VoD services:

6. SFA:

SFA lists on each asset provided by them, the platform the content is viewable on, as well as the platform device type that is allowed:

```

"DeviceData":[
  {
    "Id":14,
    "Name":"Phone",
    "Versions":[
      {
        "Id":25,
        "Name":"Windows",
        "Blocked":false
      },
      {
        "Id":15,
        "Name":"Android",
        "Blocked":false
      },
      {
        "Id":16,
        "Name":"IOS",
        "Blocked":false
      }
    ],
  },
  {
    "Id":21,
    "Name":"Tablet",
    "Versions":[

```

```

        {
            "Id":22,
            "Name":"Android",
            "Blocked":false
        },
        {
            "Id":26,
            "Name":"Tokenized",
            "Blocked":false
        },
        {
            "Id":23,
            "Name":"iOS",
            "Blocked":false
        }
    ],
    {
        "Id":17,
        "Name":"Web",
        "Versions":[
            {
                "Id":19,
                "Name":"WEB",
                "Blocked":false
            }
        ],
    },
    {
        "Id":13,
        "Name":"STB",
        "Versions":[
            {
                "Id":18,
                "Name":"STB",
                "Blocked":false
            }
        ],
    },

```

Representation in TVA:

DeviceData:

<tva:RightsStatement> ...

It is 1 Device-element pr devicetype and it may include 0 to many DeviceOS.

Example: "the platform the content is viewable on, as well as the platform device type that is allowed"

```

<tva:Device deviceid="anyURI" blocked="true">
  <tva:DeviceName>Phone</tva:DeviceName>
  <tva:DeviceType>
    <Name>phone</Name>
  </tva:DeviceType>
  <tva:DeviceOS blocked="false">
    <Name>Winwows</Name>
  </tva:DeviceOS>
  <tva:DeviceOS blocked="false">
    <Name>Android</Name>

```

```

</tva:DeviceOS
<tva:DeviceOS blocked="false">
  <Name>iOS</Name>
</tva:DeviceOS
<tva:AccessStatus blocked="true"/>
</tva:Device>
<tva:Device deviceid="anyURI" blocked="true">
  <tva:DeviceName>Tablet</tva:DeviceName>
  <tva:DeviceType>
    <Name>Tablet</Name>
  </tva:DeviceType>
  <tva:DeviceOS blocked="false">
    <Name> Android </Name>
  </tva:DeviceOS
  <tva:DeviceOS blocked="false">
    <Name>Tokenized</Name>
  </tva:DeviceOS
  <tva:DeviceOS blocked="false">
    <Name>iOS</Name>
  </tva:DeviceOS
  <tva:AccessStatus blocked="true"/>
</tva:Device>
<tva:Device deviceid="anyURI" blocked="true">
  <tva:DeviceName>WEB</tva:DeviceName>
  <tva:DeviceType>
    <Name>Web</Name>
  </tva:DeviceType>
  <tva:AccessStatus blocked="false"/>
</tva:Device>
<tva:Device deviceid="anyURI" blocked="true">
  <tva:DeviceName>STB</tva:DeviceName>
  <tva:DeviceType>
    <Name>STB</Name>
  </tva:DeviceType>
  <tva:AccessStatus blocked="false"/>
</tva:Device>

```

7. CMORE:

Cmore is also indicating on which devices the content is allowed to be played on, as well as the play back window.

Example:

```

<rightsList>
  <rights>
    <validFrom>2016-09-30T22:00:00Z</validFrom>
    <validTo>2017-09-30T21:59:59Z</validTo>
  </rights>
</rightsList>

```



```

<unlimitedPeriod>>false</unlimitedPeriod>
<rightsCategoryList>
  <rightsCategory>
    <deviceTypeList>
      <deviceType>stb</deviceType>
    </deviceTypeList>
  </rightsCategory>
</rightsCategoryList>
</rights>
</rightsList>

```

Representation in TVA:

validFrom:

```

<tva:OnDemandProgram> ...
<tva:StartOfAvailability>2010-09-12T20:15:00+01:00</tva:StartOfAvailability>

```

validTo:

```

<tva:OnDemandProgram>...
<tva:EndOfAvailability>2010-09-19T20:00:00+01:00</tva:EndOfAvailability>

```

rightsList:

```

<tva:RightsStatement> ...

```

Example: "devices the content is allowed"

```

<tva:Device deviceid="anyURI" blocked="true">
  <tva:DeviceName>STB</tva:DeviceName>
  <tva:DeviceType>
    <Name>STB</Name>
  </tva:DeviceType>
  <tva:AccessStatus blocked="false"/>
</tva:Device>

```

8. TVAnytime / Rights management examples:

Example 1:

```

<tva:RightsStatement programId="crid://nrk.no/6872801200011777" >
  <!--Nordig EPG: deviceRights (defines that rights are valid for a specific deviceType only, eg
mobile) (Added: But not for IOS and Android) (For all locations)

```

Solved by: RightsStatement: attribute programId is set, InstanceMetadataIdRef is not set, AccessStatus blocked=false, DeviceType is set (Added: and DeviceOS is set, DeviceOS attribute blocked=true -->

```

----
<tva:Device >

```

```

<tva:DeviceType>
  <Name>mobile</Name>
</tva:DeviceType>
<tva:DeviceOS blocked="true">
  <Name>IOS</Name>
</tva:DeviceOS>
<tva:DeviceOS blocked="true">
  <Name>Android</Name>
</tva:DeviceOS>
<tva:AccessStatus blocked="false"/>
</tva:Device>
</tva:RightsStatement>

```

Example 2:

```

<tva:RightsStatement programId="" segmentRefList="" InstanceMetadataIdRef="imi:1" >
  <!--Nordig EPG: blockTransmission (specifies that a specific transmission should be blocked for
example on mobile devices) (For one (transmission) location)

```

Solved by: RightsStatement: DeviceType is set and AccessStatus blocked=true and the attribute InstanceMetadataIdRef is set -->

```

<tva:Device>
  <tva:DeviceType>
    <Name>mobile</Name>
  </tva:DeviceType>
  <tva:AccessStatus blocked="true"/>
</tva:Device>
</tva:RightsStatement>
</tva:RightsInformationTable>

```