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**Information technology — Dynamic adaptive streaming over HTTP (DASH) — Part 1: Media presentation description and segment formats — Amendment 1: Support for media authentication, CMCD extension, and other enhancements**

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Foreword

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# Clause 5.3.3, Adaptation Sets

Clause 5.3.3.2 Semantics

Add the following entry in Table 6 — Semantics of AdaptationSet element:

|  |  |  |
| --- | --- | --- |
| **Element or Attribute Name** | **Use** | **Description** |
| **AdaptationSet** |  | Adaptation Set description. |
| … |  |  |
| @targetScreenOrientation | O | specifies a comma-separated list of targeted screen orientations for displaying the video component of this Adaptation Set.  The values are:   * any * landscape * portrait * square   Where “any” means that the video component is adapted to any screen orientation, “landscape”, “portrait” means that the video component is adapted to, respectively, portrait and landscape screen orientations as defined in 2.1 Screen orientation types in W3C Screen Orientation, and “square” means when the screen aspect ratio is equal to 1.0.  If not present, the value is “any”. |

Clause 5.3.3.3 XML syntax

Replace Clause 5.3.3.3 XML syntax as follows:

|  |
| --- |
| **<xs:complexType** name=*"AdaptationSetType"***>**  **<xs:annotation>**  **<xs:documentation** xml:lang=*"en"***>** Adaptation Set **</xs:documentation>**  **</xs:annotation>**  **<xs:complexContent>**  **<xs:extension** base=*"RepresentationBaseType"***>**  **<xs:sequence>**  **<xs:element** name=*"Accessibility"* type=*"DescriptorType"* minOccurs=*"0"*  maxOccurs=*"unbounded"***/>**  **<xs:element** name=*"Role"* type=*"DescriptorType"* minOccurs=*"0"*  maxOccurs=*"unbounded"***/>**  **<xs:element** name=*"Rating"* type=*"DescriptorType"* minOccurs=*"0"*  maxOccurs=*"unbounded"***/>**  **<xs:element** name=*"Viewpoint"* type=*"DescriptorType"* minOccurs=*"0"*  maxOccurs=*"unbounded"***/>**  **<xs:element** name=*"ContentComponent"* type=*"ContentComponentType"* minOccurs=*"0"*  maxOccurs=*"unbounded"***/>**  **<xs:element** name=*"BaseURL"* type=*"BaseURLType"* minOccurs=*"0"*  maxOccurs=*"unbounded"***/>**  **<xs:element** name=*"RequestParam"* type=*"up:ExtendedUrlInfoType"* minOccurs=*"0"*  maxOccurs=*"unbounded"***/>**  **<xs:element** name=*"SegmentBase"* type=*"SegmentBaseType"* minOccurs=*"0"***/>**  **<xs:element** name=*"SegmentList"* type=*"SegmentListType"* minOccurs=*"0"***/>**  **<xs:element** name=*"SegmentTemplate"* type=*"SegmentTemplateType"* minOccurs=*"0"***/>**  **<xs:element** name=*"Representation"* type=*"RepresentationType"* minOccurs=*"0"*  maxOccurs=*"unbounded"***/>**  **</xs:sequence>**  **<xs:attribute** ref=*"xlink:href"***/>**  **<xs:attribute** ref=*"xlink:actuate"* default=*"onRequest"***/>**  **<xs:attribute** ref=*"xlink:type"* fixed=*"simple"***/>**  **<xs:attribute** ref=*"xlink:show"* fixed=*"embed"***/>**  **<xs:attribute** name=*"id"* type=*"xs:unsignedInt"***/>**  **<xs:attribute** name=*"group"* type=*"xs:unsignedInt"***/>**  **<xs:attribute** name=*"lang"* type=*"xs:language"***/>**  **<xs:attribute** name=*"contentType"* type=*"RFC6838ContentTypeType"***/>**  **<xs:attribute** name=*"par"* type=*"RatioType"***/>**  **<xs:attribute** name=*"minBandwidth"* type=*"xs:unsignedInt"***/>**  **<xs:attribute** name=*"maxBandwidth"* type=*"xs:unsignedInt"***/>**  **<xs:attribute** name=*"minWidth"* type=*"xs:unsignedInt"***/>**  **<xs:attribute** name=*"maxWidth"* type=*"xs:unsignedInt"***/>**  **<xs:attribute** name=*"minHeight"* type=*"xs:unsignedInt"***/>**  **<xs:attribute** name=*"maxHeight"* type=*"xs:unsignedInt"***/>**  **<xs:attribute** name=*"minFrameRate"* type=*"FrameRateType"***/>**  **<xs:attribute** name=*"maxFrameRate"* type=*"FrameRateType"***/>**  **<xs:attribute** name=*"targetScreenOrientation"* type=*"ScreenOrientation"***/>**  **<xs:attribute** name=*"segmentAlignment"* type=*"xs:boolean"* default=*"false"***/>**  **<xs:attribute** name=*"subsegmentAlignment"* type=*"xs:boolean"* default=*"false"***/>**  **<xs:attribute** name=*"subsegmentStartsWithSAP"* type=*"SAPType"* default=*"0"***/>**  **<xs:attribute** name=*"bitstreamSwitching"* type=*"xs:boolean"***/>**  **<xs:attribute** name=*"initializationSetRef"* type=*"UIntVectorType"***/>**  **<xs:attribute** name=*"initializationPrincipal"* type=*"xs:anyURI"***/>**  **</xs:extension>**  **</xs:complexContent>**  **</xs:complexType>**  **<xs:simpleType** name=*"RatioType"***>**  **<xs:annotation>**  **<xs:documentation** xml:lang=*"en"***>** Ratio Type for sar and par **</xs:documentation>**  **</xs:annotation>**  **<xs:restriction** base=*"xs:string"***>**  **<xs:pattern** value=*"[0-9]\*:[0-9]\*"***/>**  **</xs:restriction>**  **</xs:simpleType>**  **<xs:simpleType** name=*"FrameRateType"***>**  **<xs:annotation>**  **<xs:documentation** xml:lang=*"en"***>** Type for Frame Rate **</xs:documentation>**  **</xs:annotation>**  **<xs:restriction** base=*"xs:string"***>**  **<xs:pattern** value=*"[0-9]+(/[1-9][0-9]\*)?"***/>**  **</xs:restriction>**  **</xs:simpleType>**  **<xs:simpleType** name=*"ScreenOrientation"***>**  **<xs:annotation>**  **<xs:documentation** xml:lang=*"en"***>** Orientation of the targeted Sceen **</xs:documentation>**  **</xs:annotation>**  **<xs:restriction** base=*"xs:string"***>**  **<xs:enumeration** value=*"any"***/>**  **<xs:enumeration** value=*"landscape"***/>**  **<xs:enumeration** value=*"portrait"***/>**  **<xs:enumeration** value=*"square"***/>**  **</xs:restriction>**  **</xs:simpleType>**  **<xs:simpleType** name=*"RFC6838ContentTypeType"***>**  **<xs:annotation>**  **<xs:documentation** xml:lang=*"en"***>** Type for RFC6838 Content Type **</xs:documentation>**  **</xs:annotation>**  **<xs:restriction** base=*"xs:string"***>**  **<xs:enumeration** value=*"text"***/>**  **<xs:enumeration** value=*"image"***/>**  **<xs:enumeration** value=*"audio"***/>**  **<xs:enumeration** value=*"video"***/>**  **<xs:enumeration** value=*"application"***/>**  **<xs:enumeration** value=*"font"***/>**  **</xs:restriction>**  **</xs:simpleType>** |