

ISO/IEC JTC 1

Secretariat: **ANSI**

Voting begins on:  
**2008-02-20**

Voting terminates on:  
**2008-04-20**

---

---

## Information technology — Coding of audio-visual objects —

### Part 20: Lightweight Application Scene Representation (LAsER) and Simple Aggregation Format (SAF)

iTeh STANDARD PREVIEW  
(standards.iteh.ai)

#### AMENDMENT 2: Extensions to support SVGT1.2

<https://standards.iteh.ai/catalog/standards/sist/4b3939f3-224d-4103-b48a-53de7db7a572/iso-iec-14496-20-2006-fdam-2>

*Technologies de l'information — Codage des objets audiovisuels —*

*Partie 20: Représentation de scène d'application allégée (LAsER) et  
format d'agrégation simple (SAF)*

*AMENDEMENT 2: Extensions pour soutien de SVGT1.2*

Please see the administrative notes on page iii

RECIPIENTS OF THIS DRAFT ARE INVITED TO SUBMIT, WITH THEIR COMMENTS, NOTIFICATION OF ANY RELEVANT PATENT RIGHTS OF WHICH THEY ARE AWARE AND TO PROVIDE SUPPORTING DOCUMENTATION.

IN ADDITION TO THEIR EVALUATION AS BEING ACCEPTABLE FOR INDUSTRIAL, TECHNOLOGICAL, COMMERCIAL AND USER PURPOSES, DRAFT INTERNATIONAL STANDARDS MAY ON OCCASION HAVE TO BE CONSIDERED IN THE LIGHT OF THEIR POTENTIAL TO BECOME STANDARDS TO WHICH REFERENCE MAY BE MADE IN NATIONAL REGULATIONS.

Reference number  
ISO/IEC 14496-20:2006/FDAM 2:2008(E)



**PDF disclaimer**

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

**iTeh STANDARD PREVIEW  
(standards.iteh.ai)**

[ISO/IEC 14496-20:2006/FDAM 2](https://standards.iteh.ai/catalog/standards/sist/4b3939f3-224d-4103-b48a-53de7db7a572/iso-iec-14496-20-2006-fdam-2)

<https://standards.iteh.ai/catalog/standards/sist/4b3939f3-224d-4103-b48a-53de7db7a572/iso-iec-14496-20-2006-fdam-2>

**Copyright notice**

This ISO document is a Draft International Standard and is copyright-protected by ISO. Except as permitted under the applicable laws of the user's country, neither this ISO draft nor any extract from it may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, photocopying, recording or otherwise, without prior written permission being secured.

Requests for permission to reproduce should be addressed to either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
Case postale 56 • CH-1211 Geneva 20  
Tel. + 41 22 749 01 11  
Fax + 41 22 749 09 47  
E-mail [copyright@iso.org](mailto:copyright@iso.org)  
Web [www.iso.org](http://www.iso.org)

Reproduction may be subject to royalty payments or a licensing agreement.

Violators may be prosecuted.

In accordance with the provisions of Council Resolution 21/1986, this document is **circulated in the English language only**.

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

ISO/IEC 14496-20:2006/FDAM 2

<https://standards.iteh.ai/catalog/standards/sist/4b3939f3-224d-4103-b48a-53de7db7a572/iso-iec-14496-20-2006-fdam-2>

## Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work. In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of the joint technical committee is to prepare International Standards. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights.

Amendment 2 to ISO/IEC 14496-20:2006 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information*.

ITEH STANDARD PREVIEW

(standards.iteh.ai)

[ISO/IEC 14496-20:2006/FDAM 2](https://standards.iteh.ai/catalog/standards/sist/4b3939f3-224d-4103-b48a-53de7db7a572/iso-iec-14496-20-2006-fdam-2)

<https://standards.iteh.ai/catalog/standards/sist/4b3939f3-224d-4103-b48a-53de7db7a572/iso-iec-14496-20-2006-fdam-2>

# Information technology — Coding of audio-visual objects —

Part 20:

## Lightweight Application Scene Representation (LAsER) and Simple Aggregation Format (SAF)

### AMENDMENT 2: Extensions to support SVGT1.2

In Clause 2, add the following reference:

W3C SVGT12, Scalable Vector Graphics (SVG) Tiny 1.2 Specification [Recommendation],  
<http://www.w3.org/TR/SVGMobile12/>

In all text, substitute references to [2] by references to [W3C SVGT12]

In 6.5.4 Table 3, add these lines:

"screenOrientationLandscape"	urn:mpeg:mpeg4:laser:2005	The screen orientation has changed to typical "landscape" orientation Note – screenOrientationLandscape is sent either with screenOrientation0 or screenOrientation180	No	No
"screenOrientationPortrait"	urn:mpeg:mpeg4:laser:2005	The screen orientation has changed to typical "portrait" orientation Note – screenOrientationPortrait is sent either with screenOrientation90 or screenOrientation270	No	No

After 6.5.6.1, add the following subclause:

#### 6.5.6.2 ScreenOrientationEvent

```
interface ScreenOrientationEvent : Event
{
    readonly attribute unsigned long screenWidth;
    readonly attribute unsigned long screenHeight;
    readonly attribute unsigned long screenAngle;
}
```

No defined constants.

Attributes:

**screenWidth** - contains the new screen display or viewport width

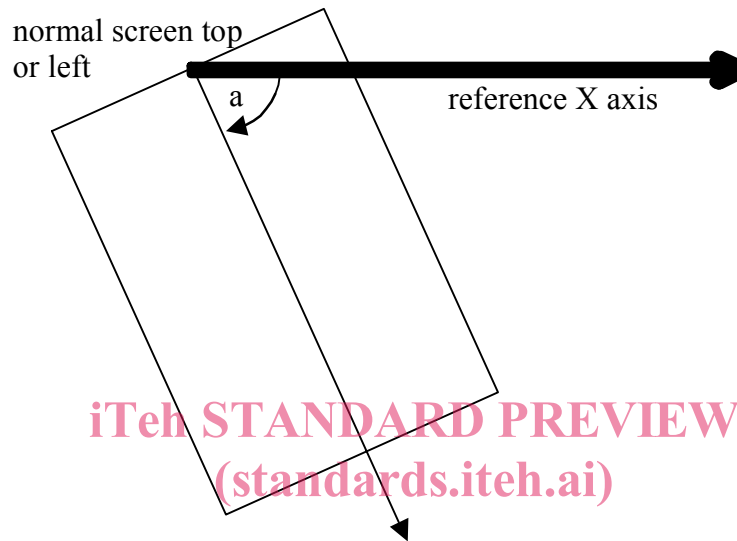
**screenHeight** - contains the new screen display or viewport height

**screenAngle** – documents the angle from the horizontal positive x axis to the axis of the longest dimension of the screen, measured clockwise.

No defined methods.

The orientation is reported in degrees in `screenAngle`, to the best of the terminal's capability. This is measured as the angle between the positive X-axis of an un-rotated frame of reference, and the orientation of the longer of the X or Y axis of the screen, as rotated, as shown in **Figure AMD2.1**.

Specifically, for a screen that is normally portrait and in its normal position, the `screenAngle` is 90 degrees, since the longest axis is vertical, and the Y-axis is downward in SVG. Similarly, for a terminal that is normally landscape and in its normal position, the `screenAngle` is 0 degrees, since the longest axis is horizontal, and is the X-axis. This angle therefore would normally be close to 90 or 270 in portrait events, and close to 0 or 180 in landscape events, and 0 or 90 in terminals that are in their normal orientation, and 180 or 270 in terminals that are inverted.



**Figure AMD2.1 — Angle measurement procedure**

*In subclause 6.6.2.2, add at the end:*

Note – Data is saved as a set of four values, using the URI, pathComponents and useFullRequestHost from the stream containing the save command:

- the domain-name formed from the URI and useFullRequestHost;
- the path formed from the URI and pathComponents;
- the groupID (known as 'name' in [RFC 2965]);
- the set of {element-ID, attribute-name, value} triplets.

When a restore command is executed all saved sets with the same (equal) groupID, and also where the URI of the stream containing the restore command matches the saved domain-name and path, are restored. This matching is defined in section 4.3.4 of [RFC 2965].

The same matching rules are used for the clean command.

*In subclause 6.7.1, add at the end of the paragraph on the waiting tree:*

Scripts also have access to the waiting tree in the same way as LAsER Commands.

*In subclause 6.7.3.1, add at the end:*

The Clean command behaves exactly the same as a Save command that saves no state; as is normal for the Save command, any other saved state with the same domain-name, path, and groupID is replaced, in this case, with an empty set of saved data. This is functionally equivalent to deleting that saved state, as nothing would be restored.

*In subclause 6.7.6.4, replace `document.svgDocument.root` with `document.documentElement`*

*In subclause 6.7.7.4, replace `document.svgDocument.root` with `document.documentElement`*

*In subclause 6.7.10.1, add at the end:*

The Save command saves the values of a set of attributes, each identified by element ID and attribute name. Each save operation uses a groupID. Any other saved state with the same domain-name, path, and groupID is replaced.

*In subclause 6.7.11.2, add to the event bullet:*

The XML syntax for this attribute with events `accessKey`, `longAccessKey`, `shortAccessKey` and `repeatKey` includes the reference key name between parentheses, e.g. `event="accessKey(FIRE)"`, regardless of whether the key code is defined in LASERML or not.

<https://standards.iteh.ai/catalog/standards/sist/4b3939f3-224d-4103-b48a-53de7db7a572/iso-iec-14496-20-2006-fdam-2>

*After 6.7.14, add the following subclauses:*

## 6.7.15 Immediate Script Execution

### 6.7.15.1 Semantics

The doScript command supplies a script for immediate execution as specified in [3GPP DIMS].

The following example retrieves the rect element with id "myRect" child of the root svg element, removes it from the document tree and append it in another position as a child of a g element with id "myGroup":

```
<doScript type="application/ecmascript">
  var myrect = document.getElementById("myRect");
  document.documentElement.removeChild(myrect);
  document.getElementById("myGroup").appendChild(myrect);
</doScript>
```

### 6.7.15.2 Attributes

`type` - is a string that identifies the scripting language used. It takes a suitable MIME type [19] from the IANA registry, such as "application/ecmascript" (see [14]).

## 6.7.16 Seeking in the scene stream

### 6.7.16.1 Semantics

The command seek results in a seek in the scene media timeline. The effect is the same as if the current scene stream was played inside an animation element, with currentMediaTime being the current media time of the scene stream, and the following actions were performed:

- the animation element is stopped;
- the clipBegin attribute of the animation element is modified to currentMediaTime+seekOffset;
- the animation element is started again.

### 6.7.16.2 Attributes

seekOffset: A clock value from section 16.2.7 of [2].

After subclause 6.8.2, add the following paragraph:

The attribute dims:active, specified in [3GPP DIMS], shall be supported on all elements.

After 6.8.53, add the following subclauses:

### 6.8.54 SVG T1.2 discard

The **SVG T1.2 discard** element is specified in section 5.4 of [W3C SVG T1.2].

### 6.8.55 SVG T1.2 handler

The **SVG T1.2 handler** element is specified in section 15.5 of [W3C SVG T1.2].

### 6.8.56 SVG T1.2 prefetch

The **SVG T1.2 prefetch** element is specified in section 5.9.3 of [W3C SVG T1.2].

### 6.8.57 SVG T1.2 solidColor

The **SVG T1.2 solidColor** element is specified in section 11.13.4 of [W3C SVG T1.2].

### 6.8.58 SVG T1.2 tBreak

The **SVG T1.2 tBreak** element is specified in section 10.11.2 of [W3C SVG T1.2].

### 6.8.59 SVG T1.2 textArea

The **SVG T1.2 textArea** element is specified in section 10.11.3 of [W3C SVG T1.2].

ITU STANDARD PREVIEW  
(standards.iteh.ai)

<https://standards.iteh.ai/catalog/standards/sist/4b3939b3-224d-4103-b48a-53de7db7a572/iso-iec-14496-20-2006-fdam-2>



In 6.9, replace the table “Summary of Possible Attributes per Element” by:

Element name	Attributes
a	audio-level color color-rendering display display-align externalResourcesRequired fill fill-opacity fill-rule nav-right nav-next nav-up nav-up-right nav-up-left nav-prev nav-down nav-down-right nav-down-left nav-left focusable font-family font-size font-style font-variant font-weight image-rendering line-increment lsr:rotation lsr:scale lsr:translation pointer-events requiredExtensions requiredFeatures requiredFormats shape-rendering solid-color solid-opacity stop-color stop-opacity stroke stroke-dasharray stroke-dashoffset stroke-linecap stroke-linejoin stroke-miterlimit stroke-opacity stroke-width systemLanguage target text-anchor text-rendering transform vector-effect viewport-fill viewport-fill-opacity visibility xlink:actuate xlink:arcrole xlink:href xlink:role xlink:show xlink:title xlink:type
animate	accumulate additive attributeName begin by calcMode class dur enabled end fill from id keySplines keyTimes max min repeatCount repeatDur restart to values xlink:actuate xlink:arcrole xlink:href xlink:role xlink:show xlink:title xlink:type xml:base xml:lang xml:space
animateColor	accumulate additive attributeName begin by calcMode class dur enabled end fill from id keySplines keyTimes max min repeatCount repeatDur restart to values xlink:actuate xlink:arcrole xlink:href xlink:role xlink:show xlink:title xlink:type xml:base xml:lang xml:space
animateMotion	accumulate additive attributeName begin by calcMode class dur enabled end fill from id keyPoints keySplines keyTimes max min path repeatCount repeatDur restart rotate to values xlink:actuate xlink:arcrole xlink:href xlink:role xlink:show xlink:title xlink:type xml:base xml:lang xml:space
lsr:animateScroll	id class xml:base xml:lang xml:space xlink:href xlink:title xlink:type xlink:role xlink:arcrole xlink:actuate xlink:show by from to delayAtStart delayAtEnd speed direction begin dur end fill restart repeatCount repeatDur
animateTransform	accumulate additive attributeName begin by calcMode class dur enabled end fill from id keySplines keyTimes max min repeatCount repeatDur restart to type values xlink:actuate xlink:arcrole xlink:href xlink:role xlink:show xlink:title xlink:type xlink:type xml:base xml:lang xml:space
animation	id class xml:base xml:lang xml:space requiredFeatures requiredExtensions systemLanguage requiredFormats requiredFonts audio-level display image-rendering pointer-events shape-rendering text-rendering viewport-fill viewport-fill-opacity visibility lsr:rotation lsr:scale lsr:translation transform xlink:href xlink:title xlink:type xlink:role xlink:arcrole xlink:actuate xlink:show nav-right nav-next nav-up nav-up-right nav-up-left nav-prev nav-down nav-down-right nav-down-left nav-left focusable fill focushighlight width height x y externalResourcesRequired begin end dur min max restart repeatCount repeatDur syncBehavior syncTolerance syncMaster preserveAspectRatio type lsr:syncReference lsr:clipBegin lsr:clipEnd initialVisibility
audio	audio-level begin class dur end externalResourcesRequired id lsr:syncReference repeatCount repeatDur requiredExtensions requiredFeatures requiredFormats syncBehavior syncTolerance systemLanguage type xlink:actuate xlink:arcrole xlink:href xlink:role xlink:show xlink:title xlink:type xml:base xml:lang xml:space type
circle	audio-level class color color-rendering cx cy display display-align fill fill-opacity fill-rule nav-right nav-next nav-up nav-up-right nav-up-left nav-prev nav-down nav-down-right nav-down-left nav-left focusable font-family font-size font-style font-weight font-variant id image-rendering line-increment lsr:rotation lsr:scale lsr:translation pointer-events r requiredExtensions requiredFeatures requiredFormats shape-rendering solid-color solid-opacity stop-color stop-opacity stroke stroke-dasharray stroke-dashoffset stroke-linecap stroke-linejoin stroke-miterlimit stroke-opacity stroke-width systemLanguage text-anchor text-rendering transform vector-effect viewport-fill viewport-fill-opacity visibility xml:base xml:lang xml:space

Element name	Attributes
lsr:conditional	id class begin enabled externalResourcesRequired xlink:href xlink:title xlink:type xlink:role xlink:arcrole xlink:actuate xlink:show xml:base xml:lang xml:space
lsr:cursorManager	id class xml:base xml:lang xml:space xlink:href xlink:title xlink:type xlink:role xlink:arcrole xlink:actuate xlink:show x y
defs	audio-level class color color-rendering display display-align fill fill-opacity fill-rule font-family font-size font-style font-variant font-weight id image-rendering line-increment pointer-events shape-rendering solid-color solid-opacity stop-color stop-opacity stroke stroke-dasharray stroke-dashoffset stroke-linecap stroke-linejoin stroke-miterlimit stroke-opacity stroke-width text-anchor text-rendering vector-effect viewport-fill viewport-fill-opacity visibility xml:base xml:lang xml:space
desc	class id xml:base xml:lang xml:space
discard	id class xml:base xml:lang xml:space begin xlink:href xlink:title xlink:type xlink:role xlink:arcrole xlink:actuate xlink:show
ellipse	audio-level class color color-rendering cx cy display display-align fill fill-opacity fill-rule nav-right nav-up nav-up-right nav-up-left nav-prev nav-down nav-down-right nav-down-left nav-left focusable font-family font-size font-style font-variant font-weight id image-rendering line-increment lsr:rotation lsr:scale lsr:translation pointer-events requiredExtensions requiredFeatures requiredFormats rx ry shape-rendering solid-color solid-opacity stop-color stop-opacity stroke stroke-dasharray stroke-dashoffset stroke-linecap stroke-linejoin stroke-miterlimit stroke-opacity stroke-width systemLanguage text-anchor text-rendering transform vector-effect viewport-fill viewport-fill-opacity visibility xml:base xml:lang xml:space
font	id class xml:base xml:lang xml:space externalResourcesRequired horiz-adv-x horiz-origin-x
font-face	id class xml:base xml:lang xml:space accent-height alphabetic ascent bbox cap-height descent externalResourcesRequired font-family font-stretch font-style font-variant font-weight hanging ideographic mathematical overline-position overline-thickness panose-1 slope stemh stemv strikethrough-position strikethrough-thickness underline-position underline-thickness unicode-range units-per-em widths x-height
font-face-src	id class xml:base xml:lang xml:space
font-face-uri	id class xml:base xml:lang xml:space externalResourcesRequired xlink:href xlink:title xlink:type xlink:role xlink:arcrole xlink:actuate xlink:show
foreignObject	audio-level class color color-rendering display display-align externalResourcesRequired fill fill-opacity fill-rule nav-right nav-next nav-up nav-up-right nav-up-left nav-prev nav-down nav-down-right nav-down-left nav-left focusable font-family font-size font-style font-variant font-weight height id image-rendering line-increment pointer-events requiredExtensions requiredFeatures requiredFormats shape-rendering solid-color solid-opacity stop-color stop-opacity stroke stroke-dasharray stroke-dashoffset stroke-linecap stroke-linejoin stroke-miterlimit stroke-opacity stroke-width systemLanguage text-anchor text-rendering vector-effect viewport-fill viewport-fill-opacity visibility width x xml:base xml:lang xml:space y
g	id class xml:base xml:lang xml:space audio-level color color-rendering display display-align fill fill-opacity fill-rule font-family font-size font-style text-decoration font-weight font-variant image-rendering line-increment pointer-events shape-rendering solid-color solid-opacity stop-color stop-opacity stroke stroke-dasharray stroke-dashoffset stroke-linecap stroke-linejoin stroke-miterlimit stroke-opacity stroke-width text-anchor text-rendering viewport-fill viewport-fill-opacity vector-effect visibility lsr:rotation lsr:scale lsr:translation transform requiredFeatures requiredExtensions systemLanguage requiredFormats requiredFonts nav-right nav-next nav-up nav-up-right nav-up-left nav-prev nav-down nav-down-right nav-down-left nav-left focusable focusHighlight externalResourcesRequired
glyph	id class xml:base xml:lang xml:space arabic-form d glyph-name horiz-adv-x lang unicode externalResourceRequired xlink:href xlink:title xlink:type xlink:role xlink:arcrole xlink:actuate xlink:show
hkern	id class xml:base xml:lang xml:space g1 g2 k u1 u2
handler	id class xml:base xml:lang xml:space externalResourcesRequired type ev:event

Element name	Attributes
image	class display externalResourcesRequired nav-right nav-next nav-up nav-up-right nav-up-left nav-prev nav-down nav-down-right nav-down-left nav-left focusable height id Isr:rotation Isr:scale Isr:translation opacity pointer-events requiredExtensions requiredFeatures requiredFormats systemLanguage transform transformBehavior type visibility width x xlink:actuate xlink:arcrole xlink:href xlink:role xlink:show xlink:title xlink:type xml:base xml:lang xml:space y type preserveAspectRatio viewport-fill viewport-fill-opacity
line	audio-level class color color-rendering display display-align fill fill-opacity fill-rule nav-right nav-next nav-up nav-up-right nav-up-left nav-prev nav-down nav-down-right nav-down-left nav-left focusable font-family font-size font-style font-variant font-weight id image-rendering line-increment Isr:rotation Isr:scale Isr:translation pointer-events requiredExtensions requiredFeatures requiredFormats shape-rendering solid-color solid-opacity stop-color stop-opacity stroke stroke-dasharray stroke-dashoffset stroke-linecap stroke-linejoin stroke-miterlimit stroke-opacity stroke-width systemLanguage text-anchor text-rendering transform vector-effect viewport-fill viewport-fill-opacity visibility x1 x2 xml:base xml:lang xml:space y1 y2
linearGradient	audio-level class color color-rendering display display-align fill fill-opacity fill-rule font-family font-size font-style font-variant font-weight gradient-units id image-rendering line-increment pointer-events shape-rendering solid-color solid-opacity stop-color stop-opacity stroke stroke-dasharray stroke-dashoffset stroke-linecap stroke-linejoin stroke-miterlimit stroke-opacity stroke-width text-anchor text-rendering vector-effect viewport-fill viewport-fill-opacity visibility x1 x2 xml:base xml:lang xml:space y1 y2
ev:listener metadata	id enabled event handler observer phase propagate defaultAction target
missing-glyph	class id xml:base xml:lang xml:space
mpath	class id xlink:actuate xlink:arcrole xlink:href xlink:role xlink:show xlink:title xlink:type xml:base xml:lang xml:space
path	audio-level class color color-rendering d display display-align fill fill-opacity fill-rule nav-right nav-next nav-up nav-up-right nav-up-left nav-prev nav-down nav-down-right nav-down-left nav-left focusable font-family font-size font-style font-variant font-weight id image-rendering line-increment Isr:rotation Isr:scale Isr:translation pathLength pointer-events requiredExtensions requiredFeatures requiredFormats shape-rendering solid-color solid-opacity stop-color stop-opacity stroke stroke-dasharray stroke-dashoffset stroke-linecap stroke-linejoin stroke-miterlimit stroke-opacity stroke-width systemLanguage text-anchor text-rendering transform vector-effect viewport-fill viewport-fill-opacity visibility xml:base xml:lang xml:space
polygon	audio-level class color color-rendering display display-align fill fill-opacity fill-rule nav-right nav-next nav-up nav-up-right nav-up-left nav-prev nav-down nav-down-right nav-down-left nav-left focusable font-family font-size font-style font-variant font-weight id image-rendering line-increment Isr:rotation Isr:scale Isr:translation pointer-events points requiredExtensions requiredFeatures requiredFormats shape-rendering solid-color solid-opacity stop-color stop-opacity stroke stroke-dasharray stroke-dashoffset stroke-linecap stroke-linejoin stroke-miterlimit stroke-opacity stroke-width systemLanguage text-anchor text-rendering transform vector-effect viewport-fill viewport-fill-opacity visibility xml:base xml:lang xml:space
polyline	audio-level class color color-rendering display display-align fill fill-opacity fill-rule nav-right nav-next nav-up nav-up-right nav-up-left nav-prev nav-down nav-down-right nav-down-left nav-left focusable font-family font-size font-style font-variant font-weight id image-rendering line-increment Isr:rotation Isr:scale Isr:translation pointer-events points requiredExtensions requiredFeatures requiredFormats shape-rendering solid-color solid-opacity stop-color stop-opacity stroke stroke-dasharray stroke-dashoffset stroke-linecap stroke-linejoin stroke-miterlimit stroke-opacity stroke-width systemLanguage text-anchor text-rendering transform vector-effect viewport-fill viewport-fill-opacity visibility xml:base xml:lang xml:space
prefetch	id class xml:base xml:lang xml:space xlink:href xlink:title xlink:type xlink:role xlink:arcrole xlink:actuate xlink:show bandwidth mediaCharacterEncoding mediaContentEncodings mediaSize mediaTime