Schema **PrintLayout-1.1.0.xsd**

schema location: F:\map\Components\gispfm\OS\Common\Schema\PrintLayout-1.1.0.xsd

attribute form default: **unqualified**

element form default: **qualified**

Elements

PrintLayout

PrintLayoutElement

PrintLayoutElementDefinition

Complex types

AdornerType

AnnotationDefinitionType

BorderAdorner

ColorType

ExtentsType

GridType

LayerType

LayoutElementSetType

LayoutElementType

LegendDefinitionType

LegendType

MapViewport

MapViewType

NorthArrowDefinitionType

Point3dType

PrintLayoutElementDefinitionType

PrintLayoutElementType

Simple types

OrientationEnumType

PropertyMappingSetType

PropertyMappingType

ResourceIdType

ResourceReferenceSetType

Size2dType

ThicknessType

Vector3dType

schema location: F:\map\Components\gispfm\OS\Common\Schema\PlatformCommon-1.0.0.xsd

attribute form default: **unqualified**

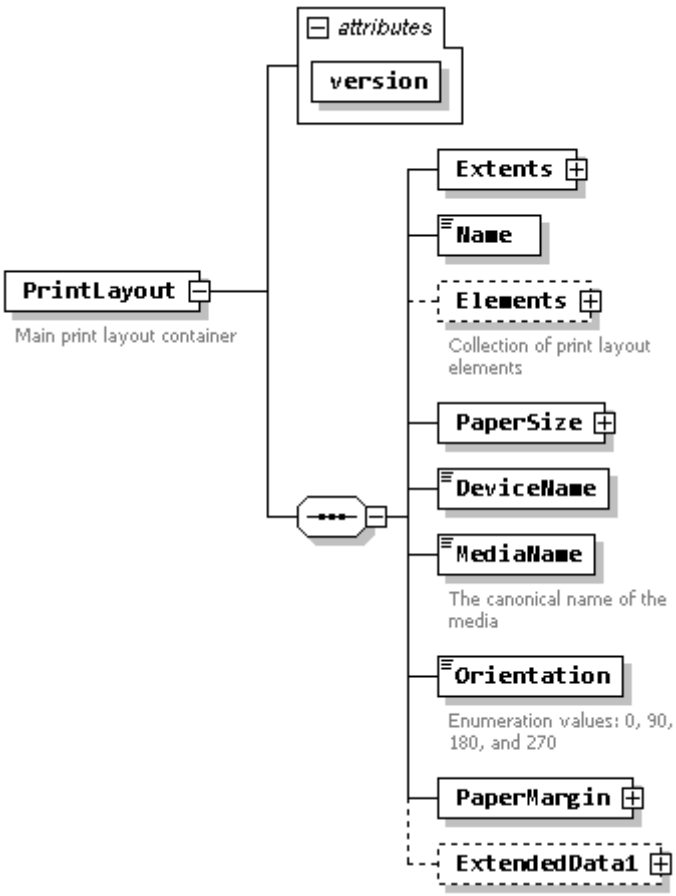
element form default: **qualified**

Complex types

ExtendedDataType

element **PrintLayout**

diagram



properties content complex

children Extents Name Elements PaperSize DeviceName MediaName Orientation PaperMargin ExtendedData1

attributes

Name	Type	Use	Default	Fixed	Annotation
version	**xs:string**	required		1.0.0	

annotation documentation Main print layout container

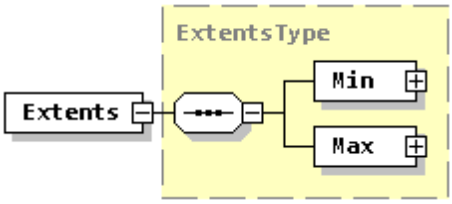
source

```
<xs:element name="PrintLayout">
  <xs:annotation>
    <xs:documentation>Main print layout container</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
```

```
      <xs:element name="Extents" type="ExtentsType"/>
      <xs:element name="Name" type="xs:string"/>
      <xs:element name="Elements" type="LayoutElementSetType" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Collection of print layout
elements</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="PaperSize" type="Size2dType"/>
      <xs:element name="DeviceName" type="xs:string"/>
      <xs:element name="MediaName" type="xs:string">
        <xs:annotation>
          <xs:documentation>The canonical name of the media</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="Orientation" type="OrientationEnumType">
        <xs:annotation>
          <xs:documentation>Enumeration values: 0, 90, 180, and
270</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="PaperMargin" type="ThicknessType"/>
      <xs:element name="ExtendedData1" type="ExtendedDataType" minOccurs="0"/>
    </xs:sequence>
    <xs:attribute name="version" type="xs:string" use="required" fixed="1.0.0"/>
  </xs:complexType>
</xs:element>
```

element **PrintLayout/Extents**

diagram



type [ExtentsType](#)

properties
- isRef 0
- content complex

children [Min](#) [Max](#)

source
```
<xs:element name="Extents" type="ExtentsType"/>
```

element **PrintLayout/Name**

diagram

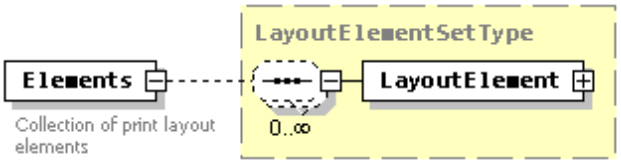
type **xs:string**

properties
- isRef 0
- content simple

source
```
<xs:element name="Name" type="xs:string"/>
```

element **PrintLayout/Elements**

diagram



type [LayoutElementSetType](#)

properties
- isRef 0
- content complex

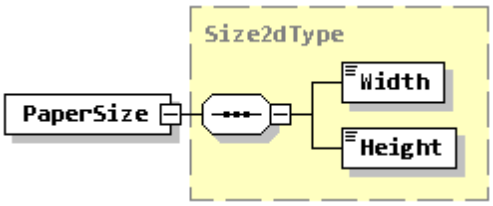
children **LayoutElement**

annotation
documentation Collection of print layout elements

source
```
<xs:element name="Elements" type="LayoutElementSetType" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Collection of print layout elements</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **PrintLayout/PaperSize**

diagram



type **Size2dType**

properties
isRef 0
content complex

children **Width** **Height**

source
```
<xs:element name="PaperSize" type="Size2dType"/>
```

element **PrintLayout/DeviceName**

diagram

type **xs:string**

properties
isRef 0
content simple

source
```
<xs:element name="DeviceName" type="xs:string"/>
```

element **PrintLayout/MediaName**

diagram

type **xs:string**

properties
- isRef 0
- content simple

annotation
- documentation The canonical name of the media

source

```
<xs:element name="MediaName" type="xs:string">
  <xs:annotation>
    <xs:documentation>The canonical name of the media</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **PrintLayout/Orientation**

diagram

type **OrientationEnumType**

properties
- isRef 0
- content simple

facets
- enumeration 0
- enumeration 90
- enumeration 180
- enumeration 270

annotation
- documentation Enumeration values: 0, 90, 180, and 270

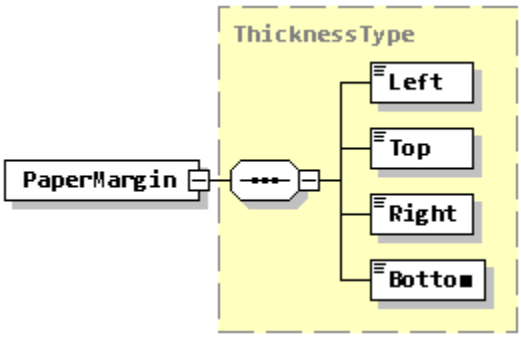
source

```
<xs:element name="Orientation" type="OrientationEnumType">
```

```
    <xs:annotation>
      <xs:documentation>Enumeration values: 0, 90, 180, and 270</xs:documentation>
    </xs:annotation>
  </xs:element>
```

element **PrintLayout/PaperMargin**

diagram



type [ThicknessType](#)

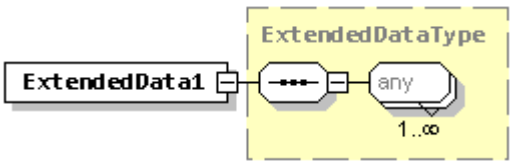
properties
- isRef 0
- content complex

children [Left](#) [Top](#) [Right](#) [Bottom](#)

source
```
<xs:element name="PaperMargin" type="ThicknessType"/>
```

element **PrintLayout/ExtendedData1**

diagram



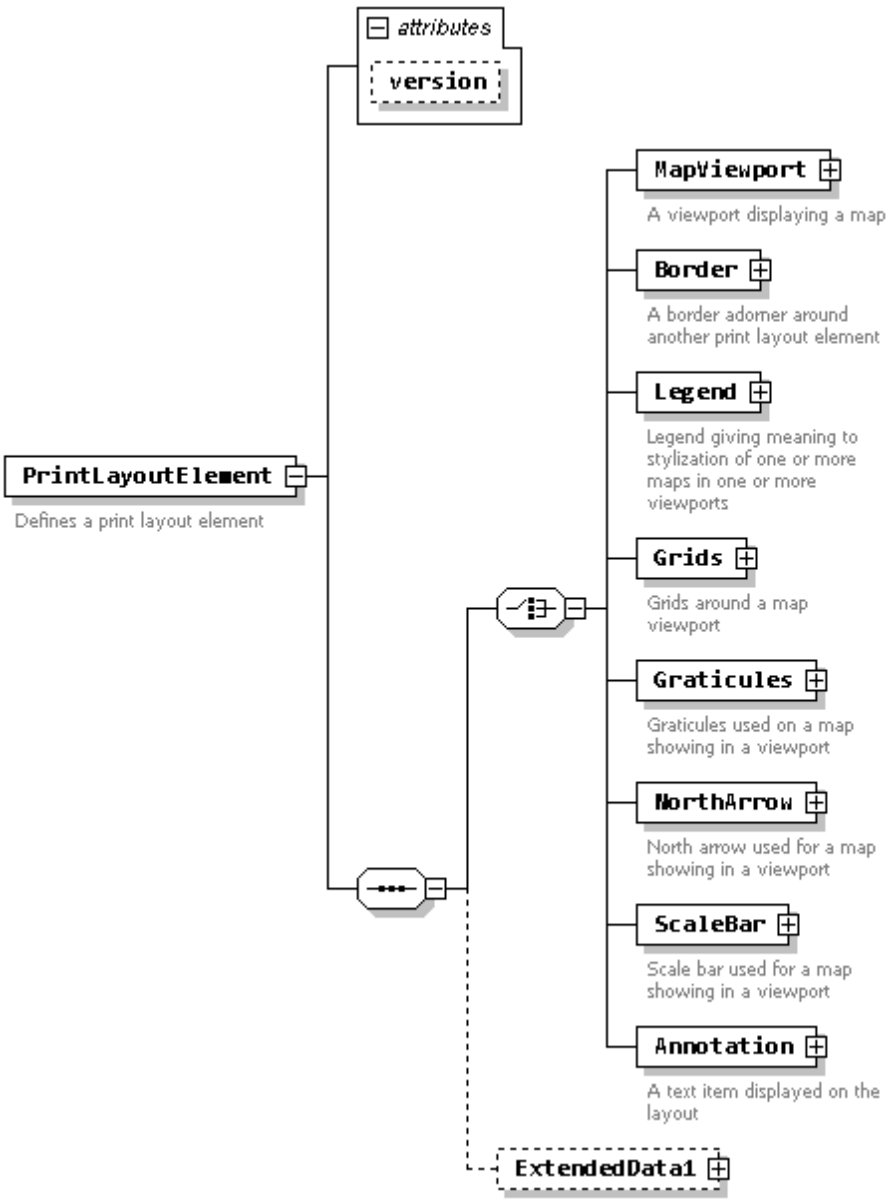
type [ExtendedDataType](#)

properties
- isRef 0
- content complex

source
```
<xs:element name="ExtendedData1" type="ExtendedDataType" minOccurs="0"/>
```

element **PrintLayoutElement**

diagram



properties	content	complex
children	MapViewport Border Legend Grids Graticules NorthArrow ScaleBar Annotation ExtendedData1	

attributes

Name	Type	Use	Default	Fixed	Annotation
version					

annotation

documentation	Defines a print layout element

source

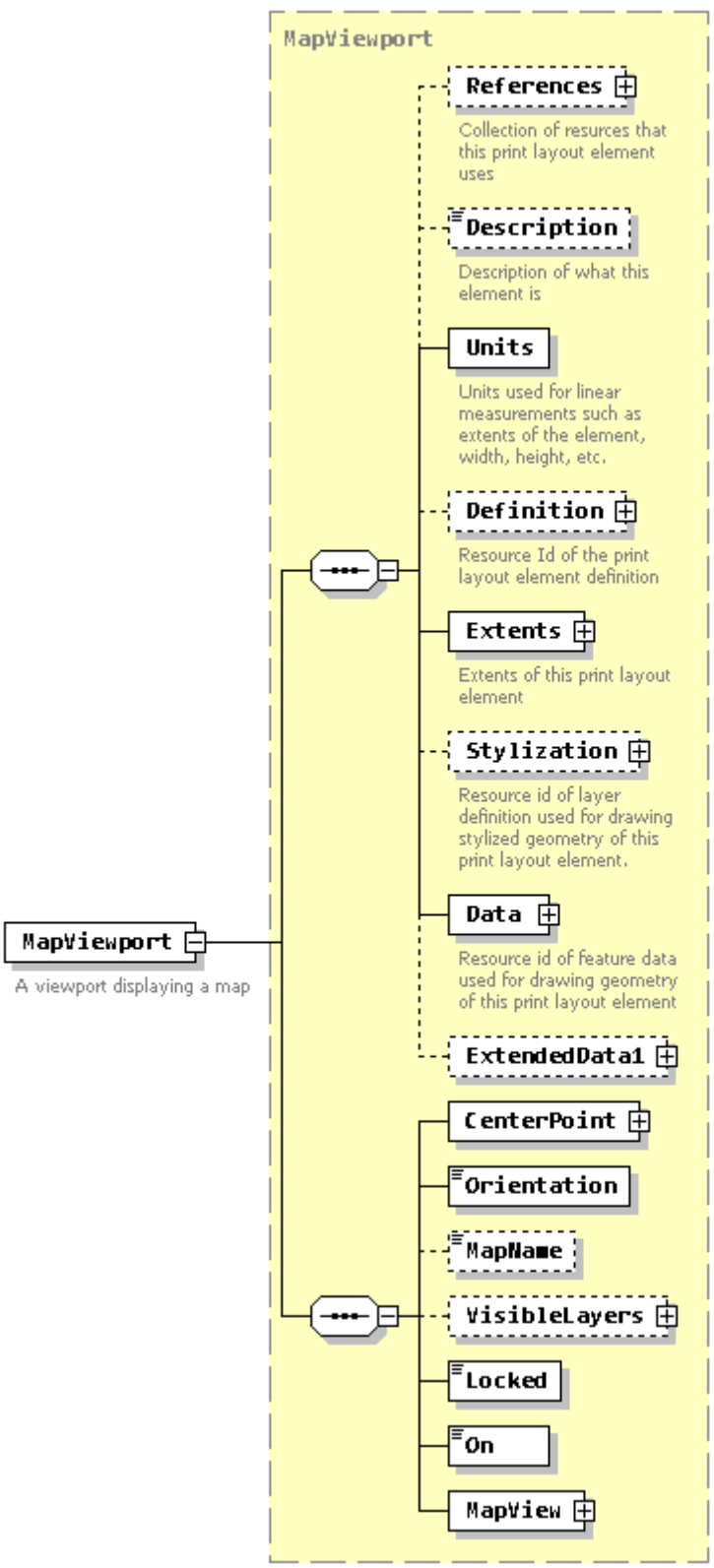
```
<xs:element name="PrintLayoutElement">
  <xs:annotation>
    <xs:documentation>Defines a print layout element</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:choice>
        <xs:element name="MapViewport" type="MapViewport">
          <xs:annotation>
            <xs:documentation>A viewport displaying a map</xs:documentation>
          </xs:annotation>
        </xs:element>
        <xs:element name="Border" type="BorderAdorner">
          <xs:annotation>
            <xs:documentation>A border adorner around another print layout
element</xs:documentation>
          </xs:annotation>
        </xs:element>
        <xs:element name="Legend" type="LegendType">
          <xs:annotation>
            <xs:documentation>Legend giving meaning to stylization of one or
more maps in one or more viewports</xs:documentation>
          </xs:annotation>
        </xs:element>
        <xs:element name="Grids" type="GridType">
          <xs:annotation>
            <xs:documentation>Grids around a map viewport</xs:documentation>
          </xs:annotation>
```

```
        </xs:element>
        <xs:element name="Graticules" type="PrintLayoutElementType">
          <xs:annotation>
            <xs:documentation>Graticules used on a map showing in a
viewport</xs:documentation>
          </xs:annotation>
        </xs:element>
        <xs:element name="NorthArrow">
          <xs:annotation>
            <xs:documentation>North arrow used for a map showing in a
viewport</xs:documentation>
          </xs:annotation>
          <xs:complexType>
            <xs:complexContent>
              <xs:extension base="PrintLayoutElementType">
                <xs:sequence>
                  <xs:element name="Rotation"/>
                </xs:sequence>
              </xs:extension>
            </xs:complexContent>
          </xs:complexType>
        </xs:element>
        <xs:element name="ScaleBar" type="PrintLayoutElementType">
          <xs:annotation>
            <xs:documentation>Scale bar used for a map showing in a
viewport</xs:documentation>
          </xs:annotation>
        </xs:element>
```

```
        <xs:element name="Annotation" type="PrintLayoutElementType">
          <xs:annotation>
            <xs:documentation>A text item displayed on the
layout</xs:documentation>
          </xs:annotation>
        </xs:element>
      </xs:choice>
      <xs:element name="ExtendedData1" type="ExtendedDataType" minOccurs="0"/>
    </xs:sequence>
    <xs:attribute name="version"/>
  </xs:complexType>
</xs:element>
```

element **PrintLayoutElement/MapViewport**

diagram



type MapViewport

properties isRef 0

content complex

children References Description Units Definition Extents Stylization Data ExtendedData1 CenterPoint Orientation MapName VisibleLayers Locked On MapView

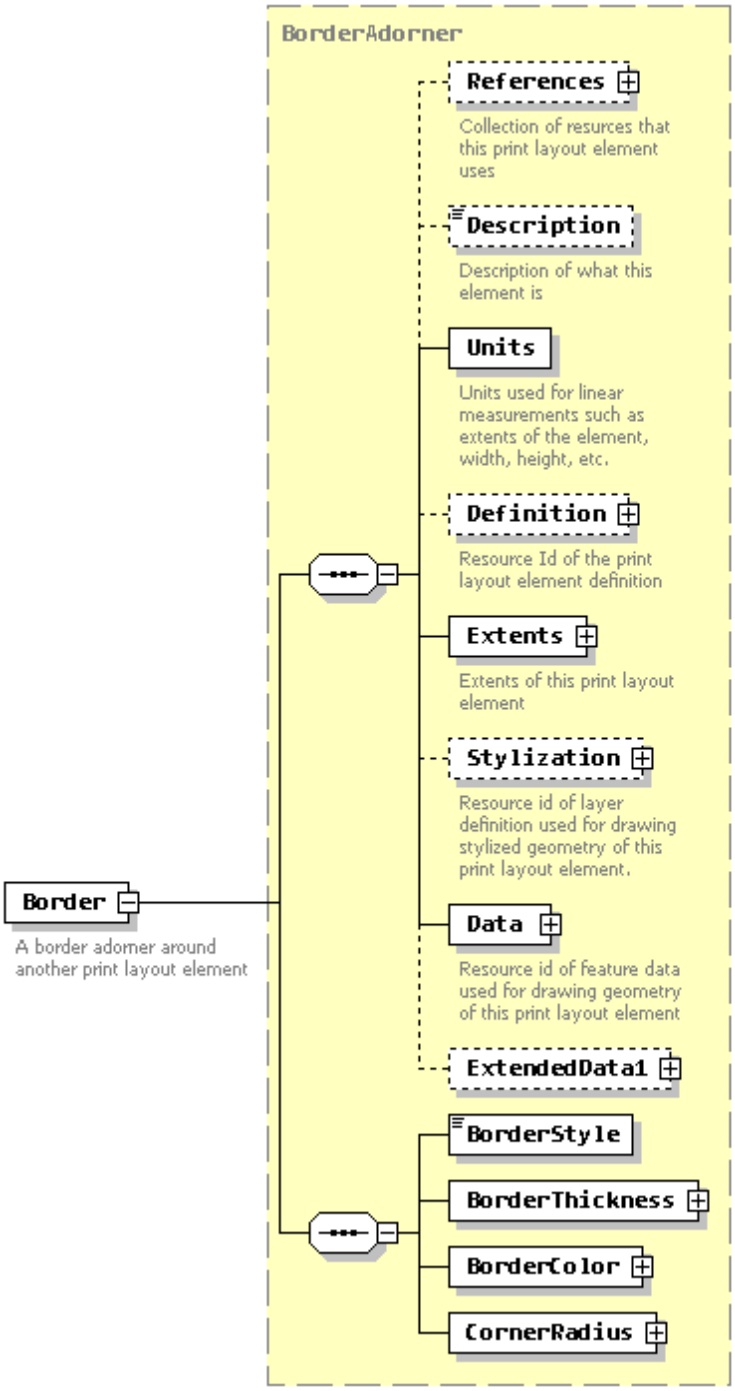
annotation documentation A viewport displaying a map

source

```
<xs:element name="MapViewport" type="MapViewport">
  <xs:annotation>
    <xs:documentation>A viewport displaying a map</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **PrintLayoutElement/Border**

diagram



type **BorderAdorner**

properties isRef 0

content complex

children References Description Units Definition Extents Stylization Data ExtendedData1 BorderStyle BorderThickness BorderColor CornerRadius

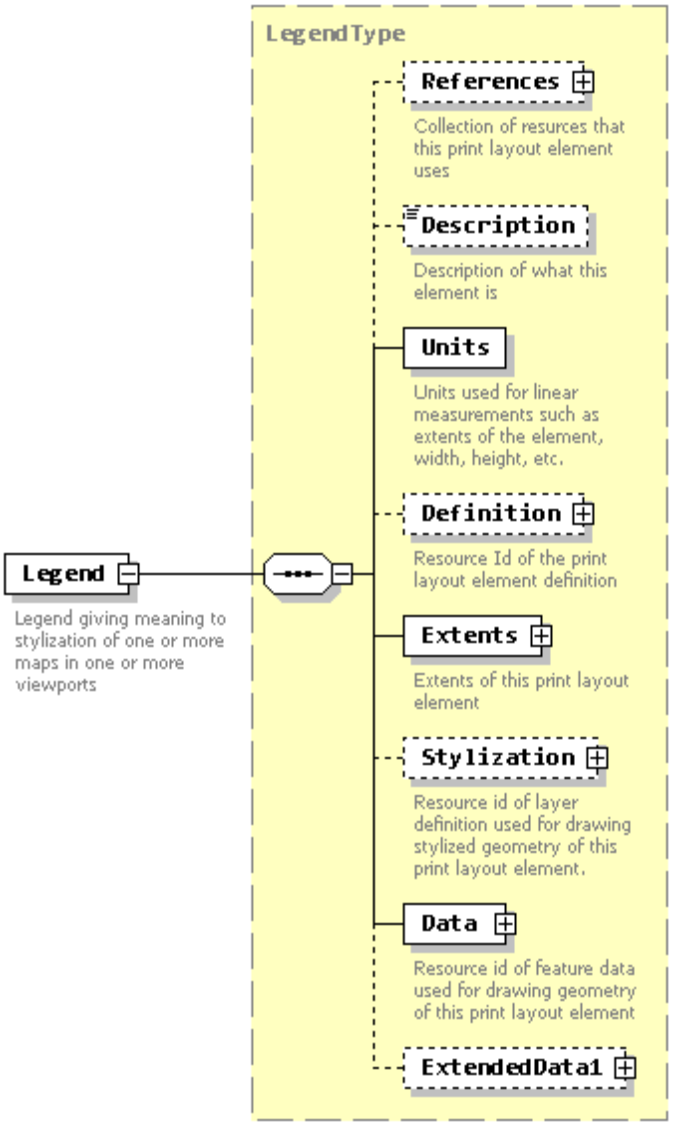
annotation documentation A border adorner around another print layout element

source

```
<xs:element name="Border" type="BorderAdorner">
  <xs:annotation>
    <xs:documentation>A border adorner around another print layout element</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **PrintLayoutElement/Legend**

diagram



type **LegendType**

properties
- isRef 0
- content complex

children **References** **Description** **Units** **Definition** **Extents** **Stylization** **Data** **ExtendedData1**

annotation
- documentation Legend giving meaning to stylization of one or more maps in one or more viewports

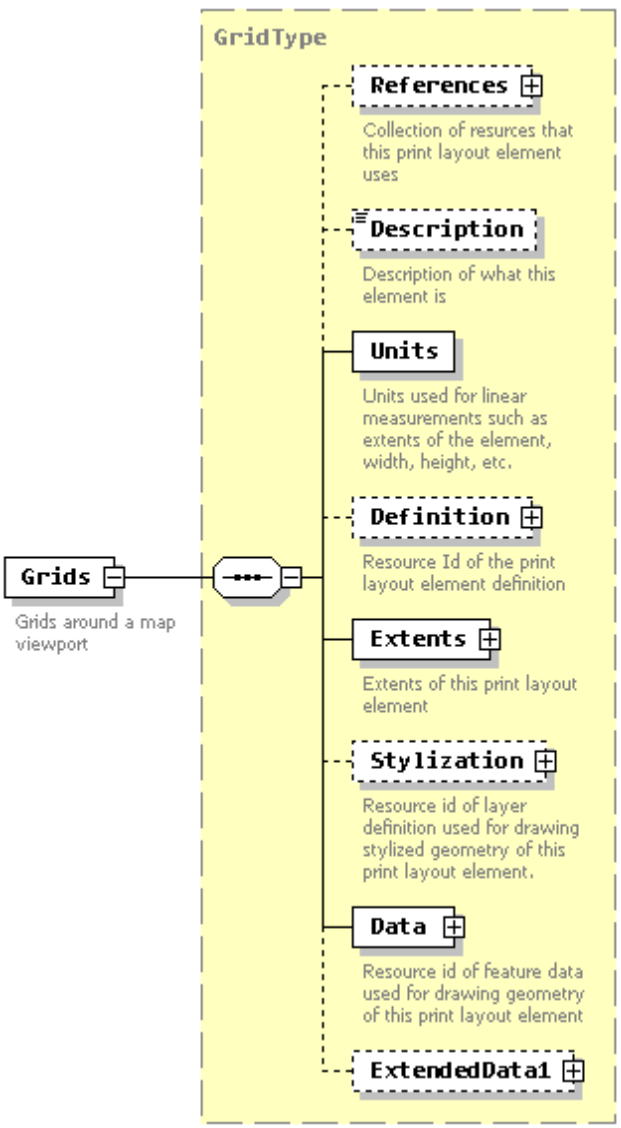
source

```
<xs:element name="Legend" type="LegendType">
```

```
    <xs:annotation>
      <xs:documentation>Legend giving meaning to stylization of one or more maps
in one or more viewports</xs:documentation>
    </xs:annotation>
  </xs:element>
```

element **PrintLayoutElement/Grids**

diagram



type **GridType**

properties isRef 0

content complex

children References Description Units Definition Extents Stylization Data ExtendedData1

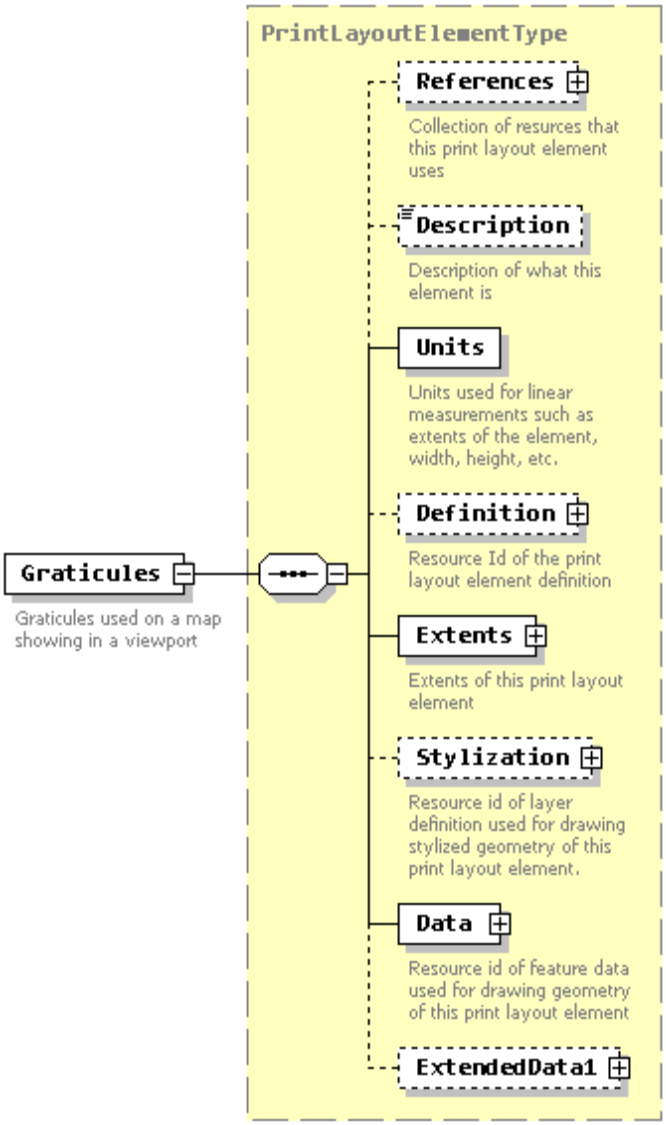
annotation documentation Grids around a map viewport

source

```
<xs:element name="Grids" type="GridType">
  <xs:annotation>
    <xs:documentation>Grids around a map viewport</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **PrintLayoutElement/Graticules**

diagram



type PrintLayoutElementType

properties
- isRef 0
- content complex

children References Description Units Definition Extents Stylization Data ExtendedData1

annotation
- documentation Graticules used on a map showing in a viewport

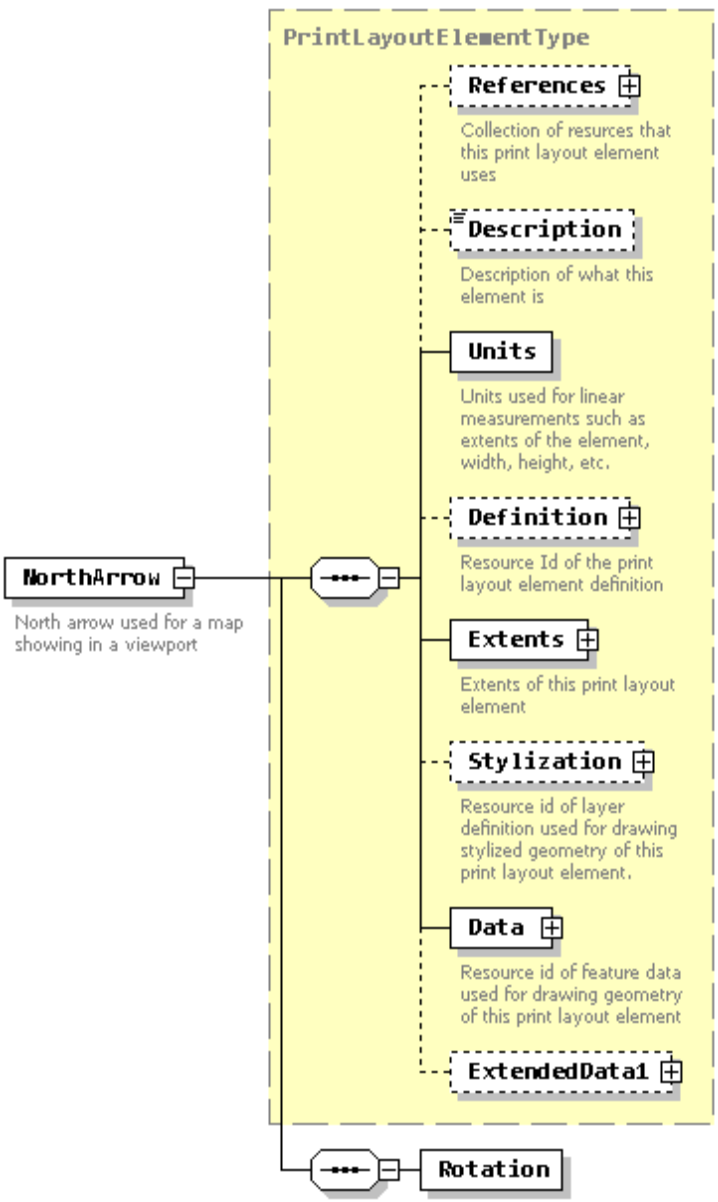
source

```
<xs:element name="Graticules" type="PrintLayoutElementType">
```

```
    <xs:annotation>
      <xs:documentation>Graticules used on a map showing in a
viewport</xs:documentation>
    </xs:annotation>
  </xs:element>
```

element **PrintLayoutElement/NorthArrow**

diagram



type extension of **PrintLayoutElementType**

properties
- isRef 0
- content complex

children **References** **Description** **Units** **Definition** **Extents** **Stylization** **Data** **ExtendedData1** **Rotation**

annotation
- documentation North arrow used for a map showing in a viewport

source

```
<xs:element name="NorthArrow">
  <xs:annotation>
    <xs:documentation>North arrow used for a map showing in a
viewport</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:complexContent>
      <xs:extension base="PrintLayoutElementType">
        <xs:sequence>
          <xs:element name="Rotation"/>
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
</xs:element>
```

element **PrintLayoutElement/NorthArrow/Rotation**

diagram

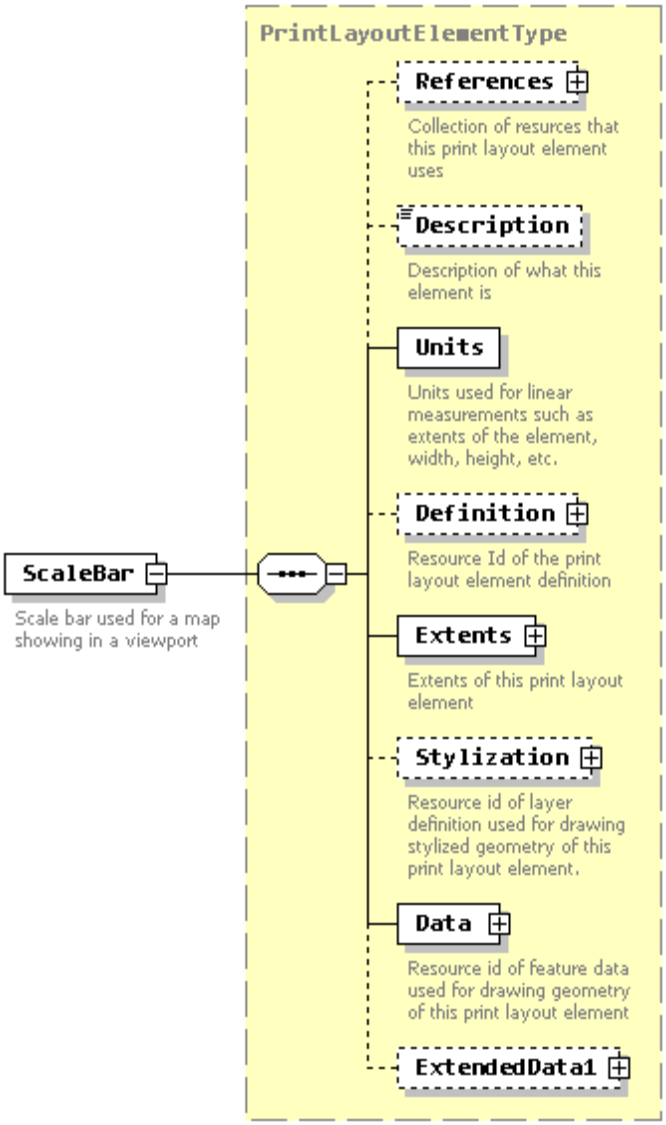
properties
- isRef 0

source

```
<xs:element name="Rotation"/>
```

element **PrintLayoutElement/ScaleBar**

diagram



type [PrintLayoutElementType](#)

properties
- isRef 0
- content complex

children [References](#) [Description](#) [Units](#) [Definition](#) [Extents](#) [Stylization](#) [Data](#) [ExtendedData1](#)

annotation
- documentation Scale bar used for a map showing in a viewport

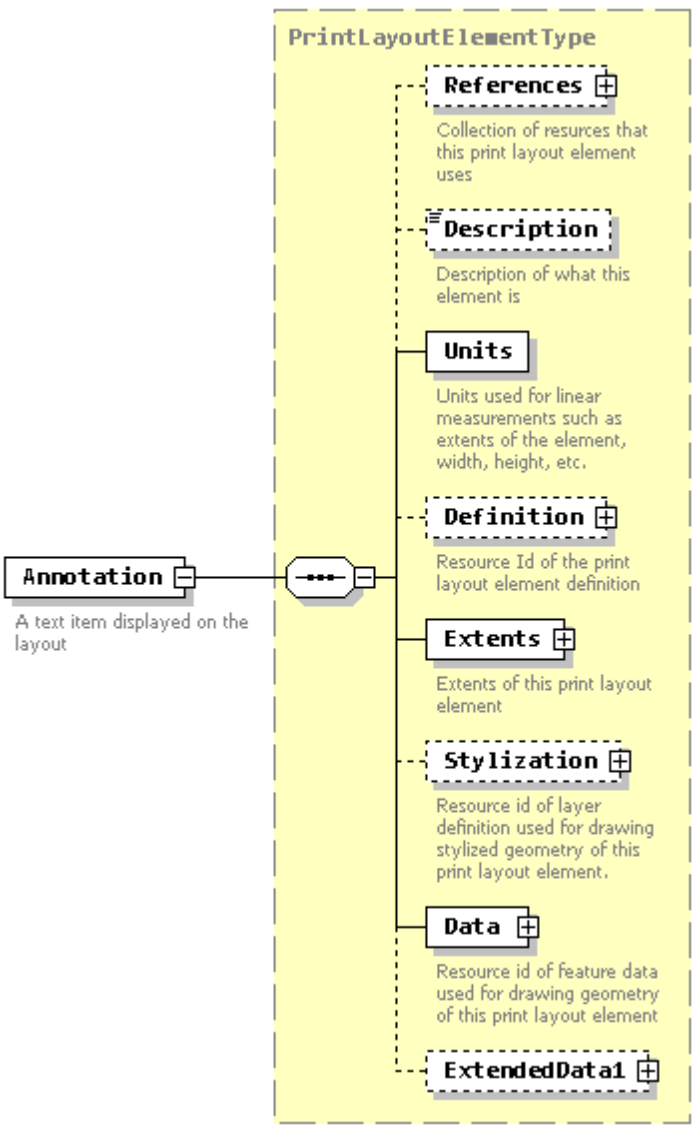
source

```
<xs:element name="ScaleBar" type="PrintLayoutElementType">
```

```
    <xs:annotation>
      <xs:documentation>Scale bar used for a map showing in a
viewport</xs:documentation>
    </xs:annotation>
  </xs:element>
```

element **PrintLayoutElement/Annotation**

diagram



type PrintLayoutElementType

properties isRef 0

content complex

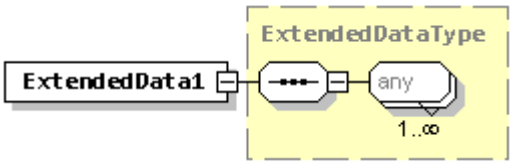
children References Description Units Definition Extents Stylization Data ExtendedData1

annotation documentation A text item displayed on the layout

source
```
<xs:element name="Annotation" type="PrintLayoutElementType">
  <xs:annotation>
    <xs:documentation>A text item displayed on the layout</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **PrintLayoutElement/ExtendedData1**

diagram



type ExtendedDataType

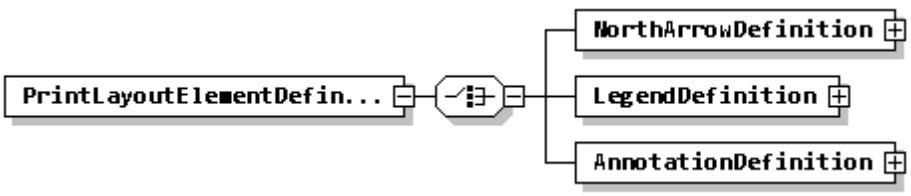
properties isRef 0

content complex

source
```
<xs:element name="ExtendedData1" type="ExtendedDataType" minOccurs="0"/>
```

element **PrintLayoutElementDefinition**

diagram



properties content complex

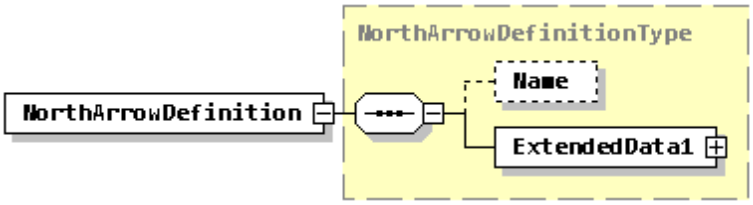
children NorthArrowDefinition LegendDefinition AnnotationDefinition

source
```
<xs:element name="PrintLayoutElementDefinition">
  <xs:complexType>
```

```
      <xs:choice>
        <xs:element name="NorthArrowDefinition" type="NorthArrowDefinitionType"/>
        <xs:element name="LegendDefinition" type="LegendDefinitionType"/>
        <xs:element name="AnnotationDefinition" type="AnnotationDefinitionType"/>
      </xs:choice>
    </xs:complexType>
  </xs:element>
```

element **PrintLayoutElementDefinition/NorthArrowDefinition**

diagram



type NorthArrowDefinitionType

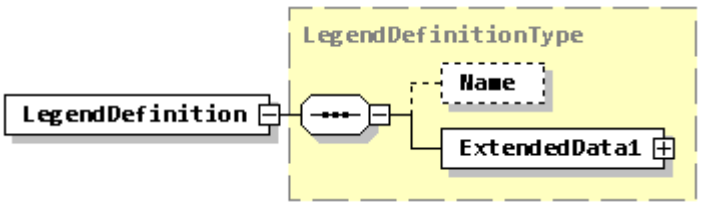
properties
- isRef 0
- content complex

children Name ExtendedData1

source
```
<xs:element name="NorthArrowDefinition" type="NorthArrowDefinitionType"/>
```

element **PrintLayoutElementDefinition/LegendDefinition**

diagram



type LegendDefinitionType

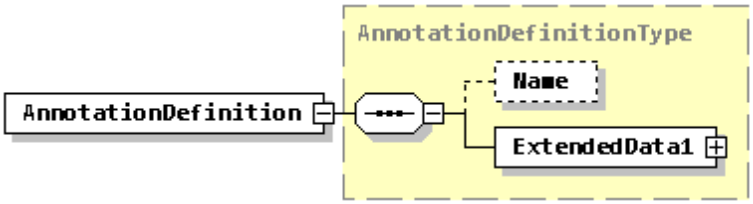
properties
- isRef 0
- content complex

children Name ExtendedData1

source
```
<xs:element name="LegendDefinition" type="LegendDefinitionType"/>
```

element **PrintLayoutElementDefinition/AnnotationDefinition**

diagram



type AnnotationDefinitionType

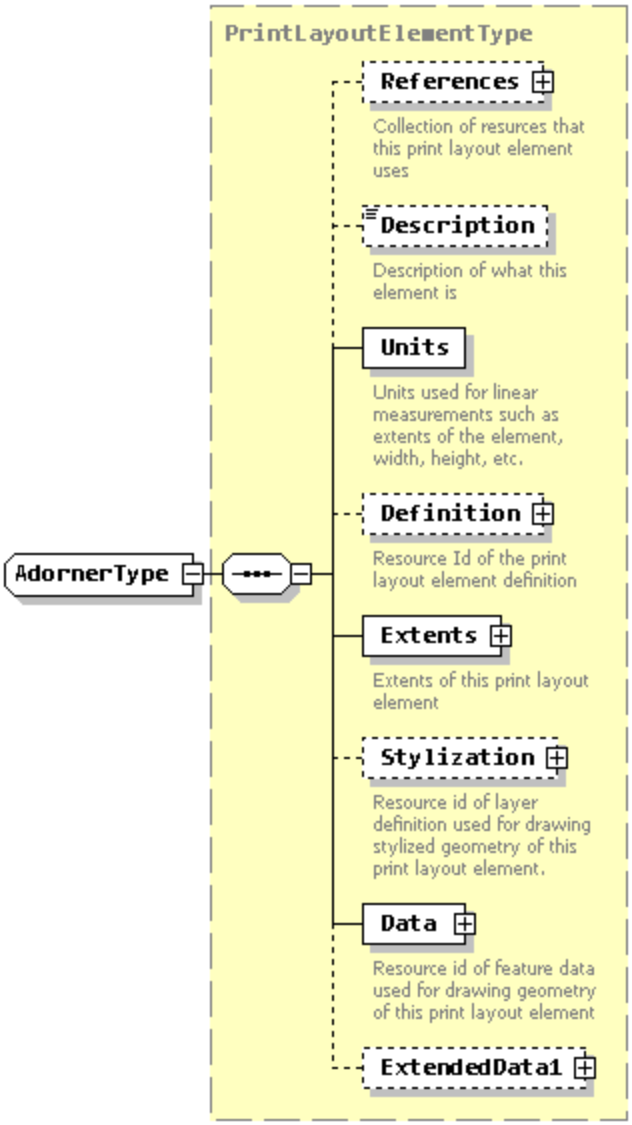
properties
- isRef 0
- content complex

children Name ExtendedData1

source
```
<xs:element name="AnnotationDefinition" type="AnnotationDefinitionType"/>
```

complexType **AdornerType**

diagram



type extension of **PrintLayoutElementType**

properties base PrintLayoutElementType

children **References** **Description** **Units** **Definition** **Extents** **Stylization** **Data** **ExtendedData1**

used by complexType **BorderAdorner**

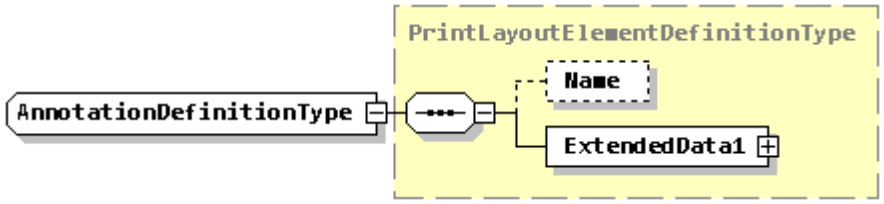
source

```
<xs:complexType name="AdornerType">
  <xs:complexContent>
```

```
    <xs:extension base="PrintLayoutElementType"/>
  </xs:complexContent>
</xs:complexType>
```

complexType **AnnotationDefinitionType**

diagram



type extension of **PrintLayoutElementDefinitionType**

properties
- base PrintLayoutElementDefinitionType

children **Name** **ExtendedData1**

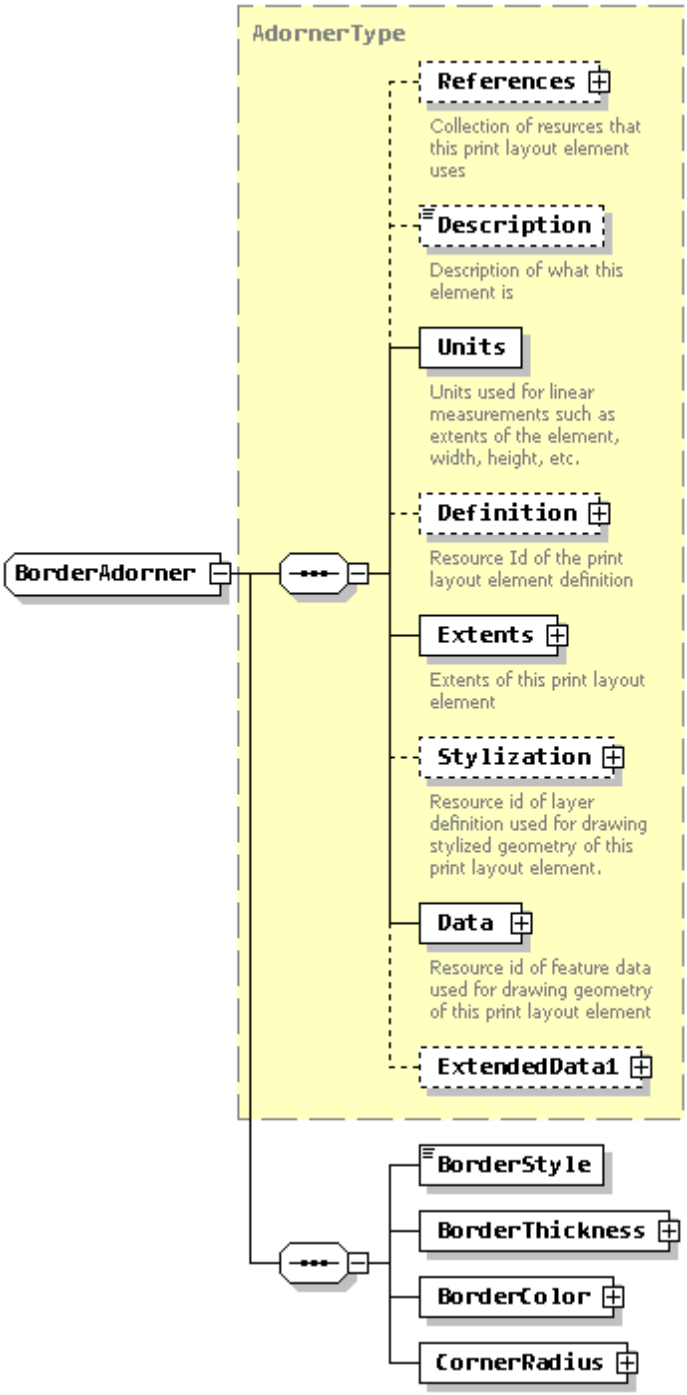
used by
- element **PrintLayoutElementDefinition/AnnotationDefinition**

source

```
<xs:complexType name="AnnotationDefinitionType">
  <xs:complexContent>
    <xs:extension base="PrintLayoutElementDefinitionType"/>
  </xs:complexContent>
</xs:complexType>
```

complexType **BorderAdorner**

diagram



type extension of **AdornerType**

properties base AdornerType

children References Description Units Definition Extents Stylization Data ExtendedData1 BorderStyle BorderThickness BorderColor CornerRadius

used by element PrintLayoutElement/Border

source

```
<xs:complexType name="BorderAdorner">
  <xs:complexContent>
    <xs:extension base="AdornerType">
      <xs:sequence>
        <xs:element name="BorderStyle" type="xs:double"/>
        <xs:element name="BorderThickness" type="ThicknessType"/>
        <xs:element name="BorderColor" type="ColorType"/>
        <xs:element name="CornerRadius" type="ThicknessType"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

element **BorderAdorner/BorderStyle**

diagram 

type **xs:double**

properties isRef 0

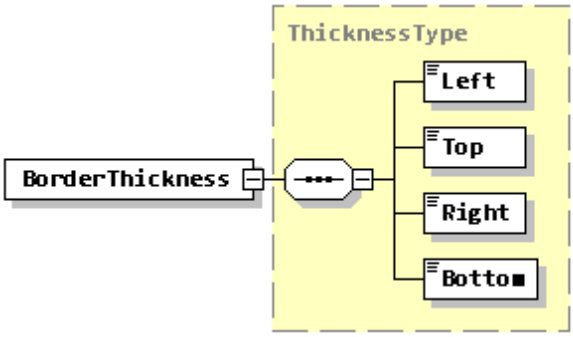
content simple

source

```
<xs:element name="BorderStyle" type="xs:double"/>
```

element **BorderAdorner/BorderThickness**

diagram



type [ThicknessType](#)

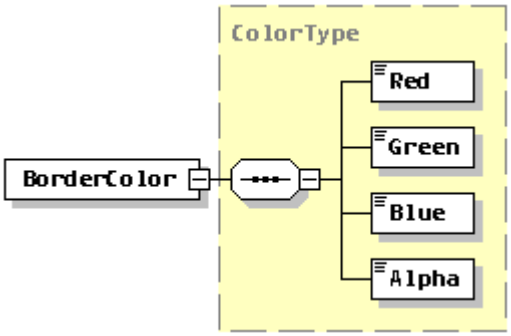
properties
- isRef 0
- content complex

children [Left](#) [Top](#) [Right](#) [Bottom](#)

source
```
<xs:element name="BorderThickness" type="ThicknessType"/>
```

element **BorderAdorner/BorderColor**

diagram



type [ColorType](#)

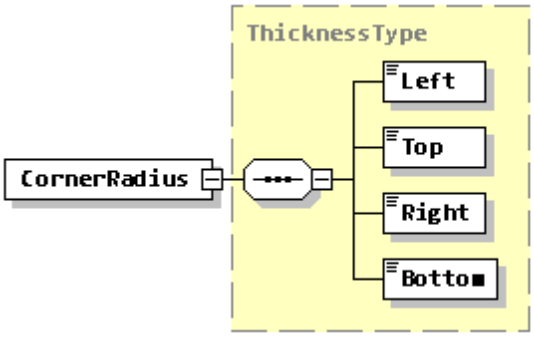
properties
- isRef 0
- content complex

children [Red](#) [Green](#) [Blue](#) [Alpha](#)

source
```
<xs:element name="BorderColor" type="ColorType"/>
```

element **BorderAdorner/CornerRadius**

diagram



type [ThicknessType](#)

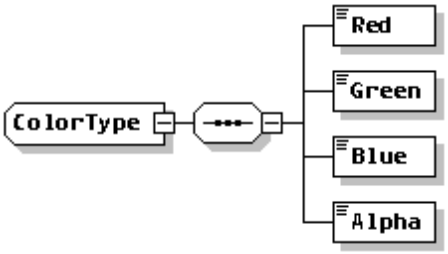
properties
- isRef 0
- content complex

children [Left](#) [Top](#) [Right](#) [Bottom](#)

source
```
<xs:element name="CornerRadius" type="ThicknessType"/>
```

complexType **ColorType**

diagram



children [Red](#) [Green](#) [Blue](#) [Alpha](#)

used by
- element [BorderAdorner/BorderColor](#)

source
```
<xs:complexType name="ColorType">
  <xs:sequence>
    <xs:element name="Red" type="xs:double"/>
    <xs:element name="Green" type="xs:double"/>
    <xs:element name="Blue" type="xs:double"/>
```

```
      <xs:element name="Alpha" type="xs:double"/>
    </xs:sequence>
  </xs:complexType>
```

element **ColorType/Red**

diagram 

type **xs:double**

properties
- isRef 0
- content simple

source
```
<xs:element name="Red" type="xs:double"/>
```

element **ColorType/Green**

diagram 

type **xs:double**

properties
- isRef 0
- content simple

source
```
<xs:element name="Green" type="xs:double"/>
```

element **ColorType/Blue**

diagram 

type **xs:double**

properties
- isRef 0
- content simple

source
```
<xs:element name="Blue" type="xs:double"/>
```

element **ColorType/Alpha**

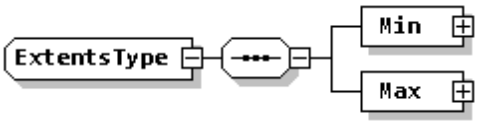
diagram 

type **xs:double**

properties
- isRef 0
- content simple

source
```
<xs:element name="Alpha" type="xs:double"/>
```

complexType **ExtentsType**

diagram 

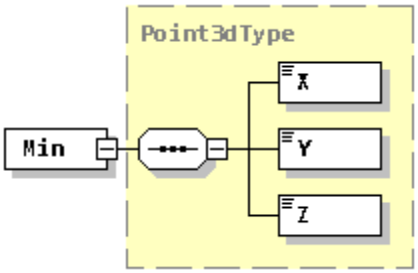
children Min Max

used by
- elements PrintLayout/Extents PrintLayoutElementType/Extents

source
```
<xs:complexType name="ExtentsType">
  <xs:sequence>
    <xs:element name="Min" type="Point3dType"/>
    <xs:element name="Max" type="Point3dType"/>
  </xs:sequence>
</xs:complexType>
```

element **ExtentsType/Min**

diagram



type **Point3dType**

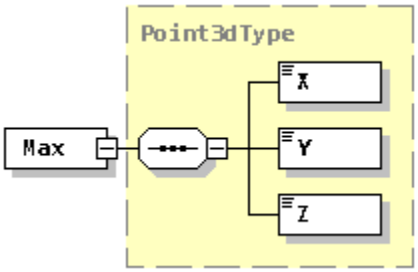
properties
- isRef 0
- content complex

children **X** **Y** **Z**

source
```
<xs:element name="Min" type="Point3dType"/>
```

element **ExtentsType/Max**

diagram



type **Point3dType**

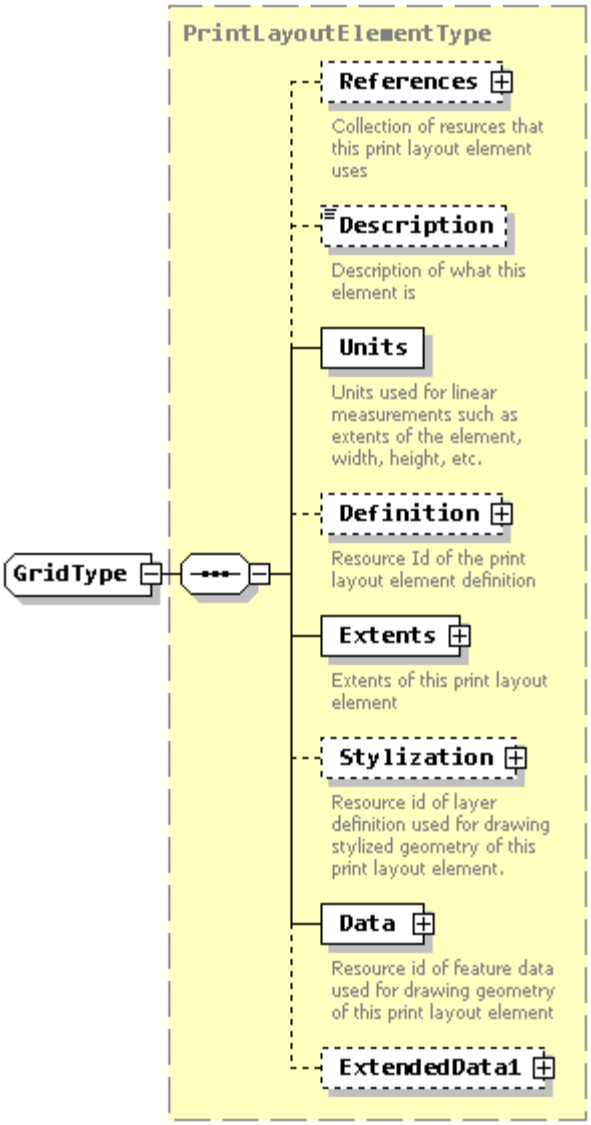
properties
- isRef 0
- content complex

children **X** **Y** **Z**

source
```
<xs:element name="Max" type="Point3dType"/>
```

complexType **GridType**

diagram



type extension of **PrintLayoutElementType**

properties base PrintLayoutElementType

children **References** **Description** **Units** **Definition** **Extents** **Stylization** **Data** **ExtendedData1**

used by element **PrintLayoutElement/Grids**

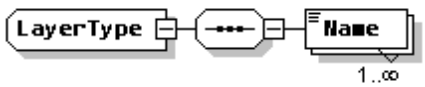
source

```
<xs:complexType name="GridType">
  <xs:complexContent>
```

```
      <xs:extension base="PrintLayoutElementType"/>
    </xs:complexContent>
  </xs:complexType>
```

complexType **LayerType**

diagram



children [Name](#)

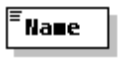
used by element [MapViewport/VisibleLayers](#)

source

```
<xs:complexType name="LayerType">
  <xs:sequence>
    <xs:element name="Name" type="xs:string" maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
```

element **LayerType/Name**

diagram



type **xs:string**

properties isRef 0

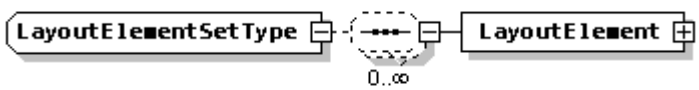
content simple

source

```
<xs:element name="Name" type="xs:string" maxOccurs="unbounded"/>
```

complexType **LayoutElementSetType**

diagram



children LayoutElement

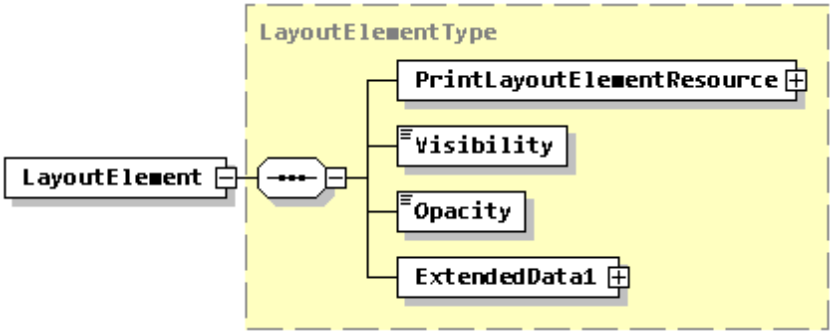
used by element PrintLayout/Elements

source

```
<xs:complexType name="LayoutElementSetType">
  <xs:sequence minOccurs="0" maxOccurs="unbounded">
    <xs:element name="LayoutElement" type="LayoutElementType"/>
  </xs:sequence>
</xs:complexType>
```

element **LayoutElementSetType/LayoutElement**

diagram



type LayoutElementType

properties isRef 0

content complex

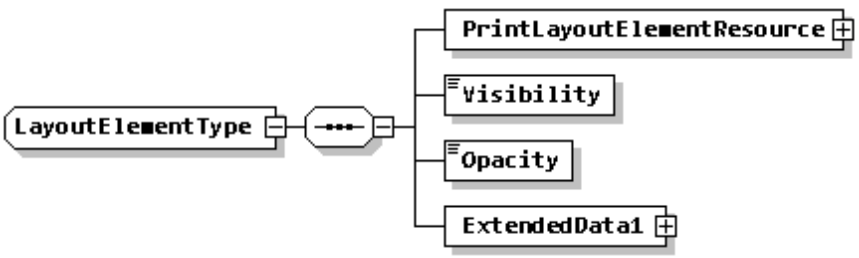
children PrintLayoutElementResource Visibility Opacity ExtendedData1

source

```
<xs:element name="LayoutElement" type="LayoutElementType"/>
```

complexType **LayoutElementType**

diagram



children PrintLayoutElementResource Visibility Opacity ExtendedData1

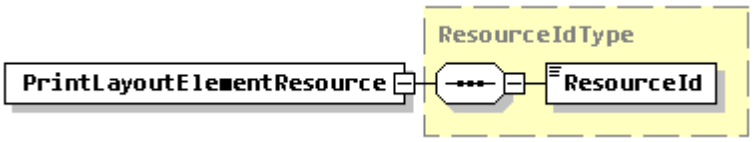
used by element LayoutElementSetType/LayoutElement

source

```
<xs:complexType name="LayoutElementType">
  <xs:sequence>
    <xs:element name="PrintLayoutElementResource" type="ResourceIdType"/>
    <xs:element name="Visibility" type="xs:boolean"/>
    <xs:element name="Opacity" type="xs:double"/>
    <xs:element name="ExtendedData1" type="ExtendedDataType"/>
  </xs:sequence>
</xs:complexType>
```

element **LayoutElementType/PrintLayoutElementResource**

diagram



type ResourceIdType

properties isRef 0

content complex

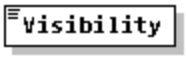
children ResourceId

source

```
<xs:element name="PrintLayoutElementResource" type="ResourceIdType"/>
```

element **LayoutElementType/Visibility**

diagram



type **xs:boolean**

properties isRef 0

content simple

source

```
<xs:element name="Visibility" type="xs:boolean"/>
```

element **LayoutElementType/Opacity**

diagram

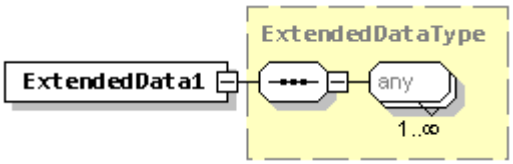
type `xs:double`

properties
- isRef 0
- content simple

source
```
<xs:element name="Opacity" type="xs:double"/>
```

element **LayoutElementType/ExtendedData1**

diagram



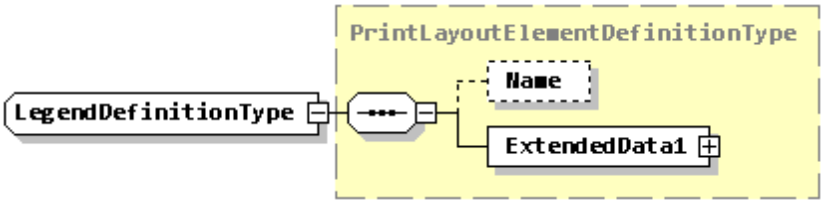
type ExtendedDataType

properties
- isRef 0
- content complex

source
```
<xs:element name="ExtendedData1" type="ExtendedDataType"/>
```

complexType **LegendDefinitionType**

diagram



type extension of PrintLayoutElementDefinitionType

properties
- base PrintLayoutElementDefinitionType

children Name ExtendedData1

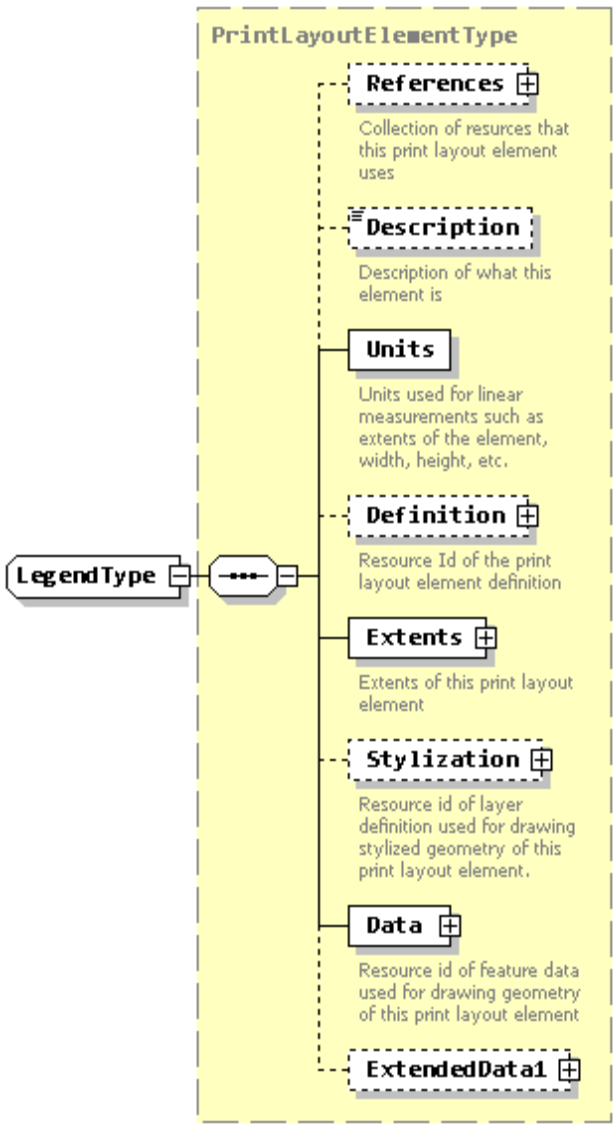
used by
- element PrintLayoutElementDefinition/LegendDefinition

source

```
<xs:complexType name="LegendDefinitionType">
  <xs:complexContent>
    <xs:extension base="PrintLayoutElementDefinitionType"/>
  </xs:complexContent>
</xs:complexType>
```

complexType **LegendType**

diagram



type extension of **PrintLayoutElementType**

properties base PrintLayoutElementType

children References Description Units Definition Extents Stylization Data ExtendedData1

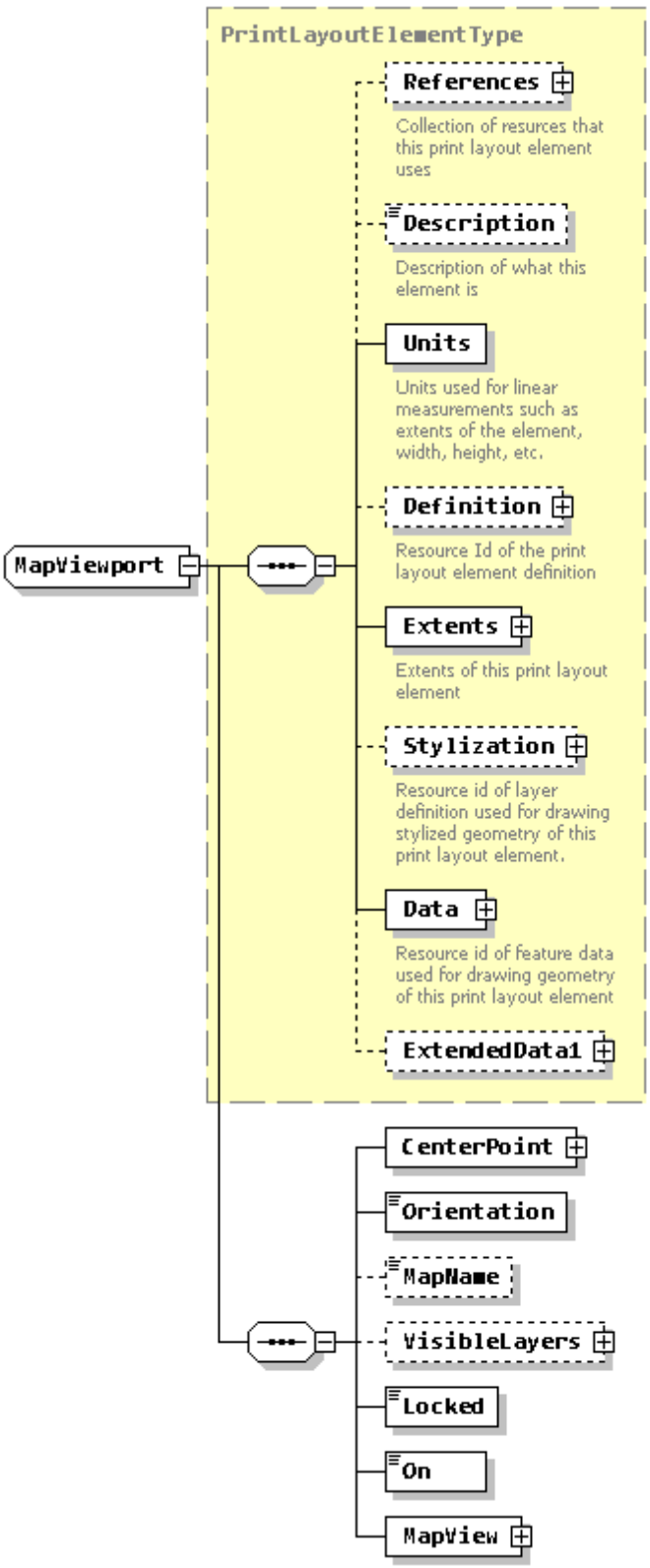
used by element PrintLayoutElement/Legend

source

```
<xs:complexType name="LegendType">
  <xs:complexContent>
    <xs:extension base="PrintLayoutElementType"/>
  </xs:complexContent>
</xs:complexType>
```

complexType **MapViewport**

diagram



type extension of **PrintLayoutElementType**

properties base PrintLayoutElementType

children References Description Units Definition Extents Stylization Data ExtendedData1 CenterPoint Orientation MapName VisibleLayers Locked On MapView

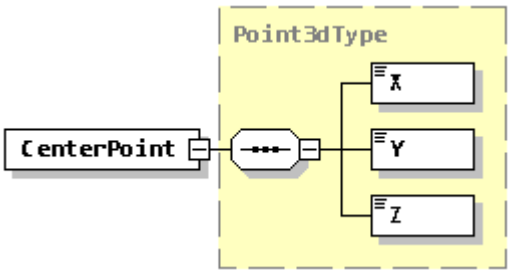
used by element PrintLayoutElement/MapViewport

source

```
<xs:complexType name="MapViewport">
  <xs:complexContent>
    <xs:extension base="PrintLayoutElementType">
      <xs:sequence>
        <xs:element name="CenterPoint" type="Point3dType"/>
        <xs:element name="Orientation" type="xs:double"/>
        <xs:element name="MapName" type="xs:string" minOccurs="0"/>
        <xs:element name="VisibleLayers" type="LayerType" minOccurs="0"/>
        <xs:element name="Locked" type="xs:boolean"/>
        <xs:element name="On" type="xs:boolean"/>
        <xs:element name="MapView" type="MapViewType"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

element **MapViewport/CenterPoint**

diagram



type Point3dType

properties isRef 0

content complex

children X Y Z

source
```
<xs:element name="CenterPoint" type="Point3dType"/>
```

element **MapViewport/Orientation**

diagram 

type **xs:double**

properties
isRef 0
content simple

source
```
<xs:element name="Orientation" type="xs:double"/>
```

element **MapViewport/MapName**

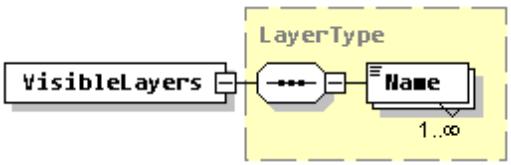
diagram 

type **xs:string**

properties
isRef 0
content simple

source
```
<xs:element name="MapName" type="xs:string" minOccurs="0"/>
```

element **MapViewport/VisibleLayers**

diagram 

type LayerType

properties
isRef 0
content complex

children Name

source
```
<xs:element name="VisibleLayers" type="LayerType" minOccurs="0"/>
```

element **MapViewport/Locked**

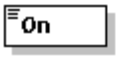
diagram 

type **xs:boolean**

properties
- isRef 0
- content simple

source
```
<xs:element name="Locked" type="xs:boolean"/>
```

element **MapViewport/On**

diagram 

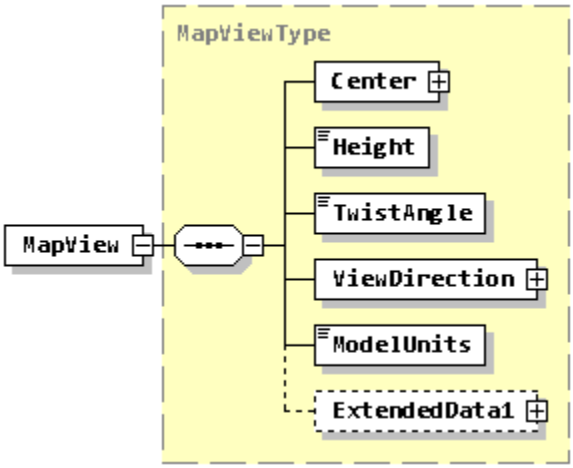
type **xs:boolean**

properties
- isRef 0
- content simple

source
```
<xs:element name="On" type="xs:boolean"/>
```

element **MapViewport/MapView**

diagram



type MapViewType

properties
- isRef 0
- content complex

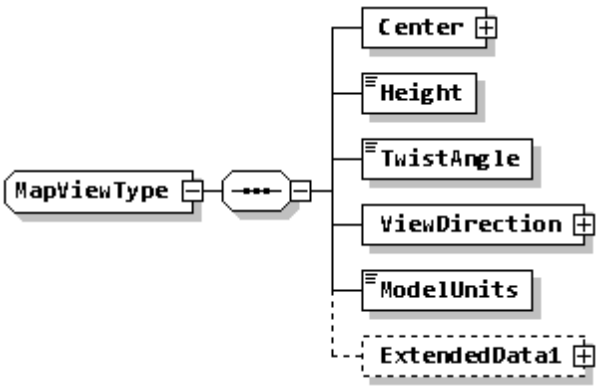
children Center Height TwistAngle ViewDirection ModelUnits ExtendedData1

source

```
<xs:element name="MapView" type="MapViewType"/>
```

complexType **MapViewType**

diagram



children Center Height TwistAngle ViewDirection ModelUnits ExtendedData1

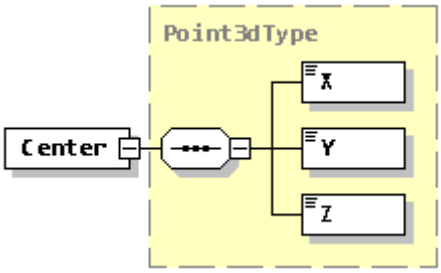
used by
- element MapViewport/MapView

source

```
<xs:complexType name="MapViewType">
  <xs:sequence>
    <xs:element name="Center" type="Point3dType"/>
    <xs:element name="Height" type="xs:double"/>
    <xs:element name="TwistAngle" type="xs:double"/>
    <xs:element name="ViewDirection" type="Vector3dType"/>
    <xs:element name="ModelUnits" type="xs:string"/>
    <xs:element name="ExtendedData1" type="ExtendedDataType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

element **MapViewType/Center**

diagram



type **Point3dType**

properties

isRef	0
content	complex

children **X Y Z**

source

```
<xs:element name="Center" type="Point3dType"/>
```

element **MapViewType/Height**

diagram

type **xs:double**

properties isRef 0

content simple

source
```
<xs:element name="Height" type="xs:double"/>
```

element **MapViewType/TwistAngle**

diagram

type **xs:double**

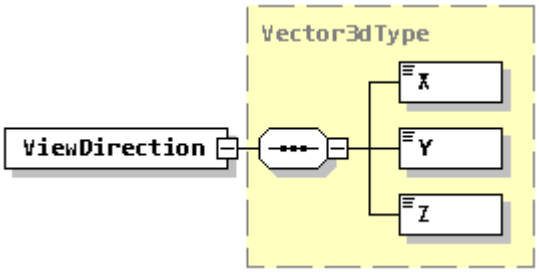
properties isRef 0

content simple

source
```
<xs:element name="TwistAngle" type="xs:double"/>
```

element **MapViewType/ViewDirection**

diagram



type Vector3dType

properties isRef 0

content complex

children X Y Z

source
```
<xs:element name="ViewDirection" type="Vector3dType"/>
```

element **MapViewType/ModelUnits**

diagram

type **xs:string**

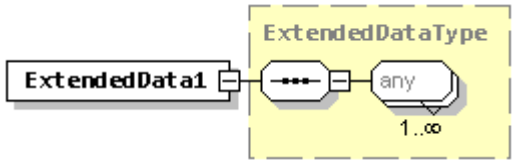
properties isRef 0

content simple

source
```
<xs:element name="ModelUnits" type="xs:string"/>
```

element **MapViewType/ExtendedData1**

diagram



type **ExtendedDataType**

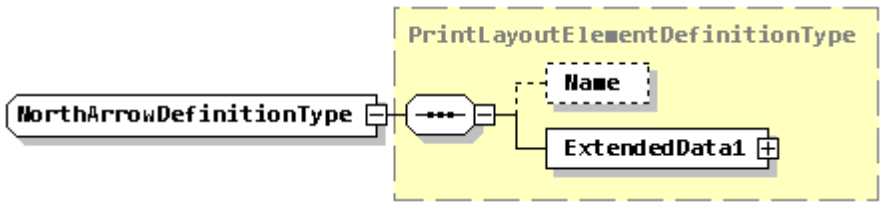
properties isRef 0

content complex

source
```
<xs:element name="ExtendedData1" type="ExtendedDataType" minOccurs="0"/>
```

complexType **NorthArrowDefinitionType**

diagram



type extension of **PrintLayoutElementDefinitionType**

properties base PrintLayoutElementDefinitionType

children **Name** **ExtendedData1**

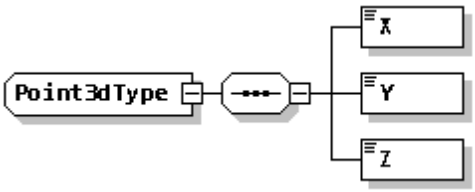
used by element **PrintLayoutElementDefinition/NorthArrowDefinition**

source
```
<xs:complexType name="NorthArrowDefinitionType">
  <xs:complexContent>
    <xs:extension base="PrintLayoutElementDefinitionType"/>
  </xs:complexContent>
```

```
</xs:complexType>
```

complexType **Point3dType**

diagram



children X Y Z

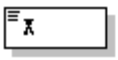
used by
elements MapViewType/Center MapViewport/CenterPoint ExtentsType/Max ExtentsType/Min

source

```
<xs:complexType name="Point3dType">
  <xs:sequence>
    <xs:element name="X" type="xs:double"/>
    <xs:element name="Y" type="xs:double"/>
    <xs:element name="Z" type="xs:double"/>
  </xs:sequence>
</xs:complexType>
```

element **Point3dType/X**

diagram



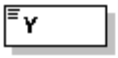
type **xs:double**

properties
isRef 0
content simple

source

```
<xs:element name="X" type="xs:double"/>
```

element **Point3dType/Y**

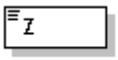
diagram 

type **xs:double**

properties
- isRef 0
- content simple

source
```
<xs:element name="Y" type="xs:double"/>
```

element **Point3dType/Z**

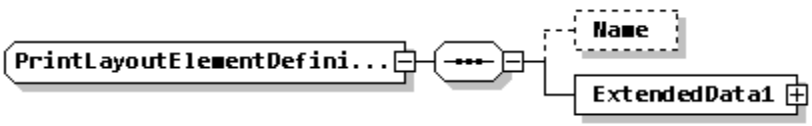
diagram 

type **xs:double**

properties
- isRef 0
- content simple

source
```
<xs:element name="Z" type="xs:double"/>
```

complexType **PrintLayoutElementDefinitionType**

diagram 

children Name ExtendedData1

used by
- complexTypes AnnotationDefinitionType LegendDefinitionType NorthArrowDefinitionType

source
```
<xs:complexType name="PrintLayoutElementDefinitionType">
  <xs:sequence>
    <xs:element name="Name" minOccurs="0"/>
    <xs:element name="ExtendedData1" type="ExtendedDataType"/>
```

```
        </xs:sequence>
      </xs:complexType>
```

element **PrintLayoutElementDefinitionType/Name**

diagram

properties

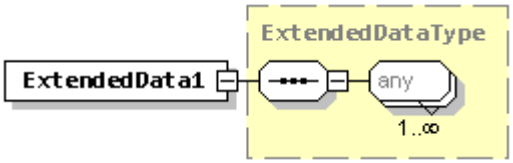
isRef 0

source

```
<xs:element name="Name" minOccurs="0"/>
```

element **PrintLayoutElementDefinitionType/ExtendedData1**

diagram



type [ExtendedDataType](#)

properties

isRef 0

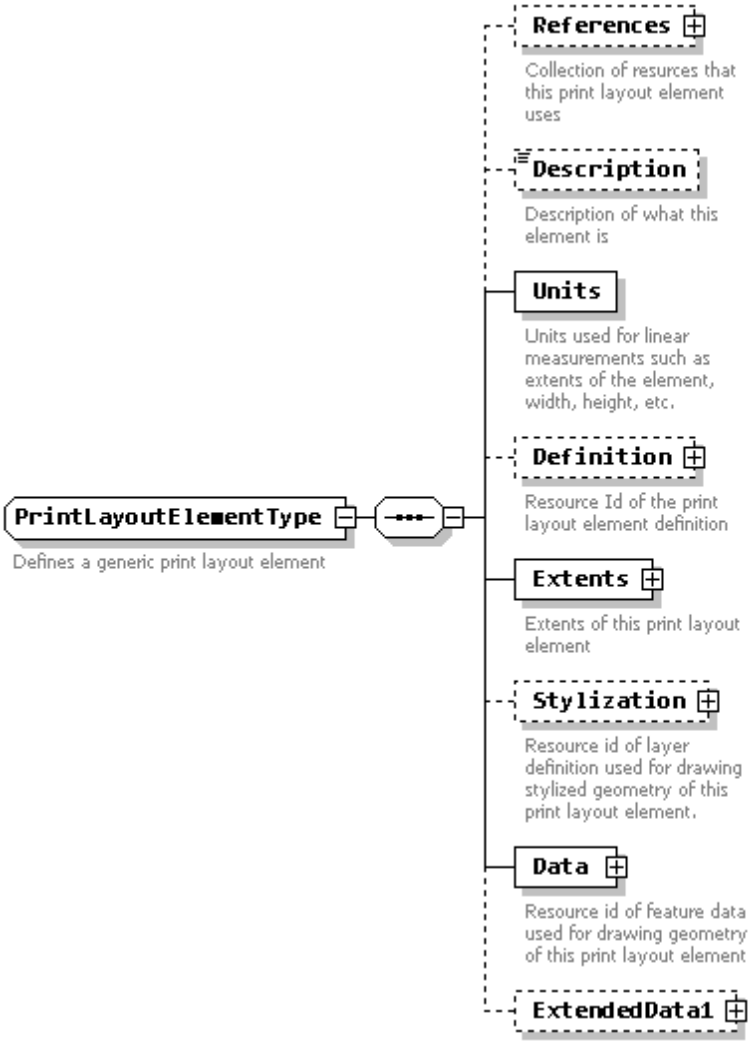
content complex

source

```
<xs:element name="ExtendedData1" type="ExtendedDataType"/>
```

complexType **PrintLayoutElementType**

diagram



children References Description Units Definition Extents Stylization Data ExtendedData1

used by

elements PrintLayoutElement/Annotation PrintLayoutElement/Graticules PrintLayoutElement/NorthArrow PrintLayoutElement/ScaleBar

complexTypes AdornerType GridType LegendType MapViewport

annotation

documentation Defines a generic print layout element

source

```
<xs:complexType name="PrintLayoutElementType">
  <xs:annotation>
    <xs:documentation>Defines a generic print layout element</xs:documentation>
```

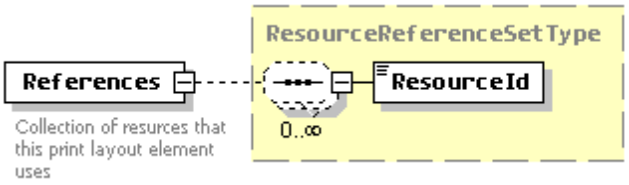
```
  </xs:annotation>
  <xs:sequence>
    <xs:element name="References" type="ResourceReferenceSetType" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Collection of resurces that this print layout element
uses</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="Description" type="xs:string" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Description of what this element is</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="Units">
      <xs:annotation>
        <xs:documentation>Units used for linear measurements such as extents of
the element, width, height, etc.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="Definition" type="ResourceIdType" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Resource Id of the print layout element
definition</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="Extents" type="ExtentsType">
      <xs:annotation>
        <xs:documentation>Extents of this print layout
element</xs:documentation>
```

```
      </xs:annotation>
    </xs:element>
    <xs:element name="Stylization" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Resource id of layer definition used for drawing
stylized geometry of this print layout element.</xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:complexContent>
          <xs:extension base="ResourceIdType">
            <xs:sequence minOccurs="0">
              <xs:element name="ExtendedData1" type="ExtendedDataType"/>
            </xs:sequence>
          </xs:extension>
        </xs:complexContent>
      </xs:complexType>
    </xs:element>
    <xs:element name="Data">
      <xs:annotation>
        <xs:documentation>Resource id of feature data used for drawing geometry
of this print layout element</xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:complexContent>
          <xs:extension base="ResourceIdType">
            <xs:sequence>
              <xs:element name="FeatureClass">
                <xs:annotation>
```

```
                <xs:documentation>Fully qualified feature class
name</xs:documentation>

              </xs:annotation>

            </xs:element>

            <xs:element name="Geometry" type="xs:string">

              <xs:annotation>

                <xs:documentation>Specifies the geometry property that should
be used to get the geometries.</xs:documentation>

              </xs:annotation>

            </xs:element>

            <xs:element name="Filter" type="xs:string" minOccurs="0">

              <xs:annotation>

                <xs:documentation>An FDO expression that specifies which
features to read  No filter means pass all features through.</xs:documentation>

              </xs:annotation>

            </xs:element>

            <xs:element name="PropertyMappings" type="PropertyMappingSetType"
minOccurs="0"/>

            <xs:element name="ExtendedData1" type="ExtendedDataType"
minOccurs="0"/>

          </xs:sequence>

        </xs:extension>

      </xs:complexContent>

    </xs:complexType>

  </xs:element>

  <xs:element name="ExtendedData1" type="ExtendedDataType" minOccurs="0"/>

 </xs:sequence>

</xs:complexType>
```

element **PrintLayoutElementType/References**

diagram



type [ResourceReferenceSetType](#)

properties
- isRef 0
- content complex

children [ResourceId](#)

annotation
- documentation Collection of resurces that this print layout element uses

source

```
<xs:element name="References" type="ResourceReferenceSetType" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Collection of resurces that this print layout element uses</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **PrintLayoutElementType/Description**

diagram

type **xs:string**

properties
- isRef 0
- content simple

annotation
- documentation Description of what this element is

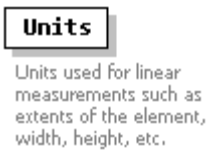
source

```
<xs:element name="Description" type="xs:string" minOccurs="0">
  <xs:annotation>
```

```
      <xs:documentation>Description of what this element is</xs:documentation>
    </xs:annotation>
  </xs:element>
```

element **PrintLayoutElementType/Units**

diagram



properties
isRef 0

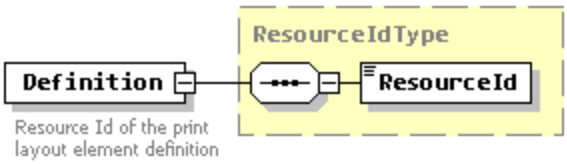
annotation
documentation Units used for linear measurements such as extents of the element, width, height, etc.

source

```
<xs:element name="Units">
  <xs:annotation>
    <xs:documentation>Units used for linear measurements such as extents of the element, width, height, etc.</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **PrintLayoutElementType/Definition**

diagram



type **ResourceIdType**

properties
isRef 0
content complex

children **ResourceId**

annotation
documentation Resource Id of the print layout element definition

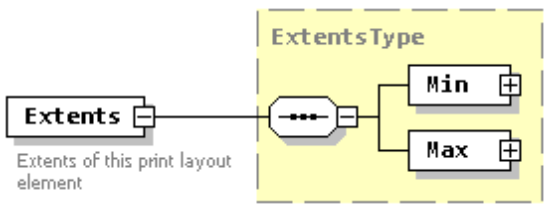
source

```
<xs:element name="Definition" type="ResourceIdType" minOccurs="0">
```

```
    <xs:annotation>
      <xs:documentation>Resource Id of the print layout element
definition</xs:documentation>
    </xs:annotation>
  </xs:element>
```

element **PrintLayoutElementType/Extents**

diagram



type **ExtentsType**

properties
- isRef 0
- content complex

children **Min** **Max**

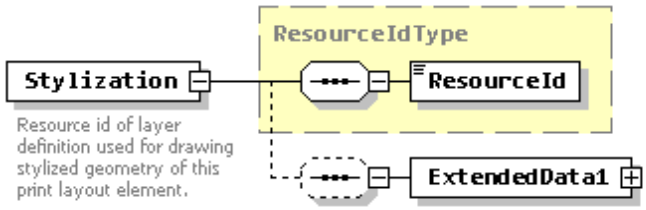
annotation
- documentation Extents of this print layout element

source

```
<xs:element name="Extents" type="ExtentsType">
  <xs:annotation>
    <xs:documentation>Extents of this print layout element</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **PrintLayoutElementType/Stylization**

diagram



type extension of **ResourceIdType**

properties
- isRef 0
- content complex

children **ResourceId** **ExtendedData1**

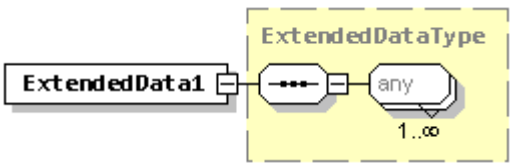
annotation
- documentation Resource id of layer definition used for drawing stylized geometry of this print layout element.

source

```
<xs:element name="Stylization" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Resource id of layer definition used for drawing stylized geometry of this print layout element.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:complexContent>
      <xs:extension base="ResourceIdType">
        <xs:sequence minOccurs="0">
          <xs:element name="ExtendedData1" type="ExtendedDataType"/>
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
</xs:element>
```

element **PrintLayoutElementType/Stylization/ExtendedData1**

diagram



type **ExtendedDataType**

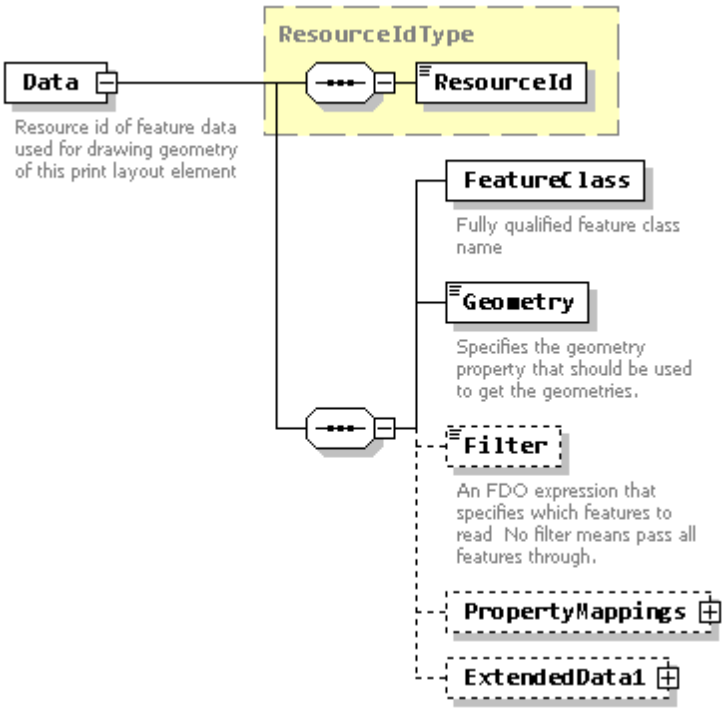
properties
- isRef 0
- content complex

source

```
<xs:element name="ExtendedData1" type="ExtendedDataType"/>
```

element **PrintLayoutElementType/Data**

diagram



type extension of **ResourceIdType**

properties
- isRef 0
- content complex

children **ResourceId** **FeatureClass** **Geometry** **Filter** **PropertyMappings** **ExtendedData1**

annotation
- documentation Resource id of feature data used for drawing geometry of this print layout element

source

```
<xs:element name="Data">
  <xs:annotation>
    <xs:documentation>Resource id of feature data used for drawing geometry of this print layout element</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:complexContent>
```

```
      <xs:extension base="ResourceIdType">
        <xs:sequence>
          <xs:element name="FeatureClass">
            <xs:annotation>
              <xs:documentation>Fully qualified feature class
name</xs:documentation>
            </xs:annotation>
          </xs:element>
          <xs:element name="Geometry" type="xs:string">
            <xs:annotation>
              <xs:documentation>Specifies the geometry property that should be
used to get the geometries.</xs:documentation>
            </xs:annotation>
          </xs:element>
          <xs:element name="Filter" type="xs:string" minOccurs="0">
            <xs:annotation>
              <xs:documentation>An FDO expression that specifies which features
to read  No filter means pass all features through.</xs:documentation>
            </xs:annotation>
          </xs:element>
          <xs:element name="PropertyMappings" type="PropertyMappingSetType"
minOccurs="0"/>
          <xs:element name="ExtendedData1" type="ExtendedDataType"
minOccurs="0"/>
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
</xs:element>
```

element **PrintLayoutElementType/Data/FeatureClass**

diagram

properties isRef 0

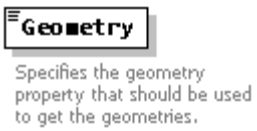
annotation documentation Fully qualified feature class name

source

```
<xs:element name="FeatureClass">
  <xs:annotation>
    <xs:documentation>Fully qualified feature class name</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **PrintLayoutElementType/Data/Geometry**

diagram



type **xs:string**

properties isRef 0

content simple

annotation documentation Specifies the geometry property that should be used to get the geometries.

source

```
<xs:element name="Geometry" type="xs:string">
  <xs:annotation>
    <xs:documentation>Specifies the geometry property that should be used to get the geometries.</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **PrintLayoutElementType/Data/Filter**

diagram

type **xs:string**

properties
- isRef 0
- content simple

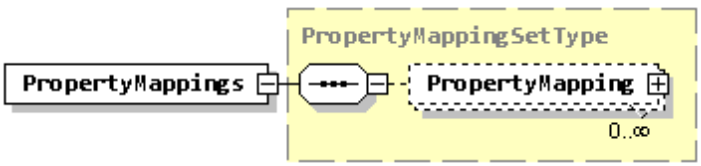
annotation
- documentation An FDO expression that specifies which features to read No filter means pass all features through.

source

```
<xs:element name="Filter" type="xs:string" minOccurs="0">
  <xs:annotation>
    <xs:documentation>An FDO expression that specifies which features to read
No filter means pass all features through.</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **PrintLayoutElementType/Data/PropertyMappings**

diagram



type **PropertyMappingSetType**

properties
- isRef 0
- content complex

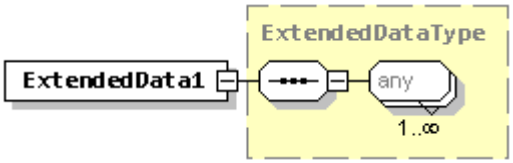
children **PropertyMapping**

source

```
<xs:element name="PropertyMappings" type="PropertyMappingSetType"
minOccurs="0"/>
```

element **PrintLayoutElementType/Data/ExtendedData1**

diagram



type [ExtendedDataType](#)

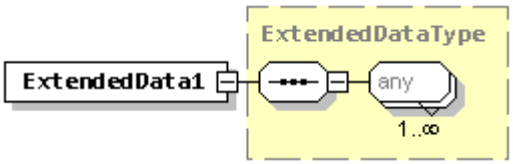
properties
- isRef 0
- content complex

source

```
<xs:element name="ExtendedData1" type="ExtendedDataType" minOccurs="0"/>
```

element **PrintLayoutElementType/ExtendedData1**

diagram



type [ExtendedDataType](#)

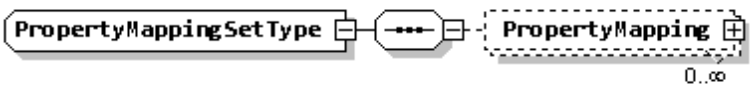
properties
- isRef 0
- content complex

source

```
<xs:element name="ExtendedData1" type="ExtendedDataType" minOccurs="0"/>
```

complexType **PropertyMappingSetType**

diagram



children [PropertyMapping](#)

used by
- element [PrintLayoutElementType/Data/PropertyMappings](#)

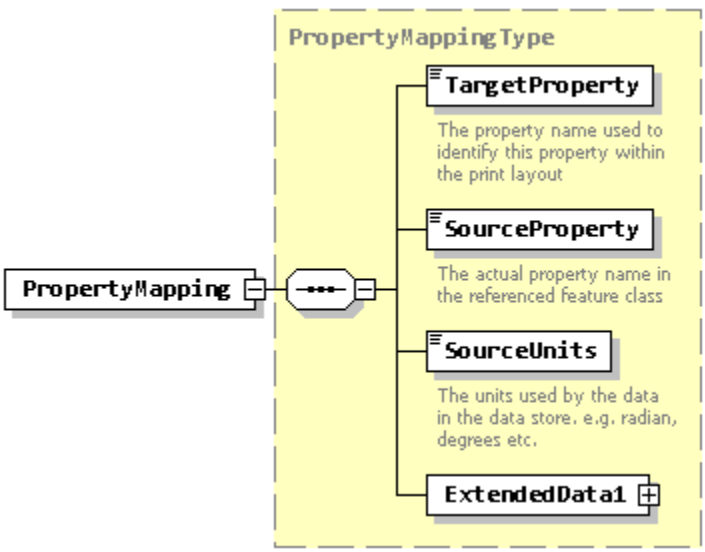
source

```
<xs:complexType name="PropertyMappingSetType">
```

```
  <xs:sequence>
    <xs:element name="PropertyMapping" type="PropertyMappingType" minOccurs="0"
maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
```

element **PropertyMappingSetType/PropertyMapping**

diagram



type PropertyMappingType

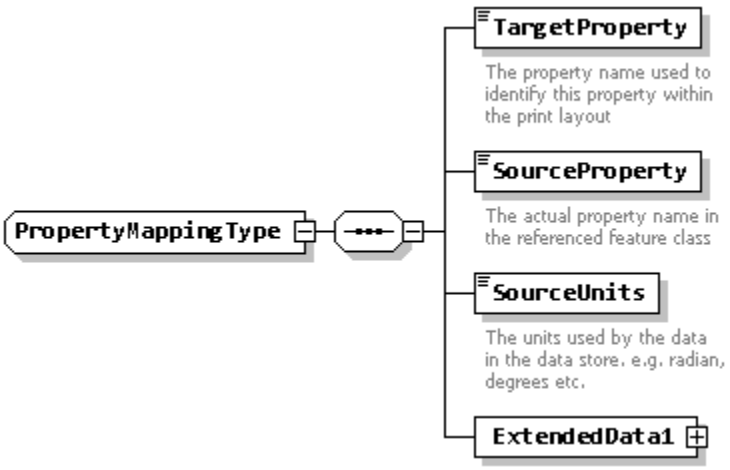
properties
- isRef 0
- content complex

children TargetProperty SourceProperty SourceUnits ExtendedData1

source
```
<xs:element name="PropertyMapping" type="PropertyMappingType" minOccurs="0"
maxOccurs="unbounded"/>
```

complexType **PropertyMappingType**

diagram



children TargetProperty SourceProperty SourceUnits ExtendedData1

used by element PropertyMappingSetType/PropertyMapping

source

```
<xs:complexType name="PropertyMappingType">
  <xs:sequence>
    <xs:element name="TargetProperty" type="xs:string">
      <xs:annotation>
        <xs:documentation>The property name used to identify this property within the print layout</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="SourceProperty" type="xs:string">
      <xs:annotation>
        <xs:documentation>The actual property name in the referenced feature class</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="SourceUnits" type="xs:string">
```

```
      <xs:annotation>
        <xs:documentation>The units used by the data in the data store. e.g.
radian, degrees etc.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="ExtendedData1" type="ExtendedDataType"/>
  </xs:sequence>
</xs:complexType>
```

element **PropertyMappingType/TargetProperty**

diagram

type **xs:string**

properties
- isRef 0
- content simple

annotation
- documentation The property name used to identify this property within the print layout

source

```
<xs:element name="TargetProperty" type="xs:string">
  <xs:annotation>
    <xs:documentation>The property name used to identify this property within
the print layout</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **PropertyMappingType/SourceProperty**

diagram

type **xs:string**

properties
- isRef 0
- content simple

annotation
- documentation The actual property name in the referenced feature class

source

```
<xs:element name="SourceProperty" type="xs:string">
  <xs:annotation>
    <xs:documentation>The actual property name in the referenced feature class</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **PropertyMappingType/SourceUnits**

diagram

type **xs:string**

properties
- isRef 0
- content simple

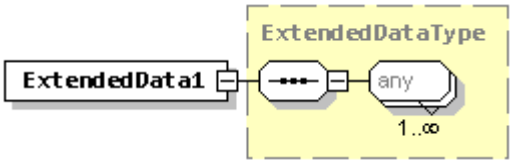
annotation
- documentation The units used by the data in the data store. e.g. radian, degrees etc.

source

```
<xs:element name="SourceUnits" type="xs:string">
  <xs:annotation>
    <xs:documentation>The units used by the data in the data store. e.g. radian, degrees etc.</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **PropertyMappingType/ExtendedData1**

diagram



type [ExtendedDataType]

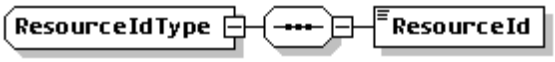
properties
- isRef 0
- content complex

source

```
<xs:element name="ExtendedData1" type="ExtendedDataType"/>
```

complexType **ResourceIdType**

diagram



children [ResourceId]

used by
- elements [PrintLayoutElementType/Data] [PrintLayoutElementType/Definition] [LayoutElementType/PrintLayoutElementResource] [PrintLayoutElementType/Stylization]

source

```
<xs:complexType name="ResourceIdType">
  <xs:sequence>
    <xs:element name="ResourceId" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

element **ResourceIdType/ResourceId**

diagram

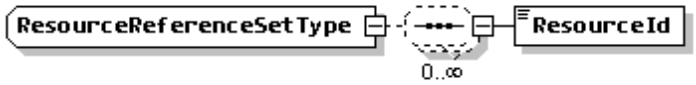
type **xs:string**

properties
isRef 0
content simple

source
```
<xs:element name="ResourceId" type="xs:string"/>
```

complexType **ResourceReferenceSetType**

diagram



children ResourceId

used by
element PrintLayoutElementType/References

source
```
<xs:complexType name="ResourceReferenceSetType">
  <xs:sequence minOccurs="0" maxOccurs="unbounded">
    <xs:element name="ResourceId" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

element **ResourceReferenceSetType/ResourceId**

diagram

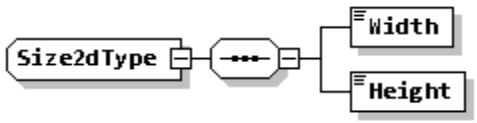
type **xs:string**

properties
isRef 0
content simple

source
```
<xs:element name="ResourceId" type="xs:string"/>
```

complexType **Size2dType**

diagram



children **Width** **Height**

used by element **PrintLayout/PaperSize**

source

```
<xs:complexType name="Size2dType">
  <xs:sequence>
    <xs:element name="Width" type="xs:double"/>
    <xs:element name="Height" type="xs:double"/>
  </xs:sequence>
</xs:complexType>
```

element **Size2dType/Width**

diagram 

type **xs:double**

properties
- isRef 0
- content simple

source

```
<xs:element name="Width" type="xs:double"/>
```

element **Size2dType/Height**

diagram 

type **xs:double**

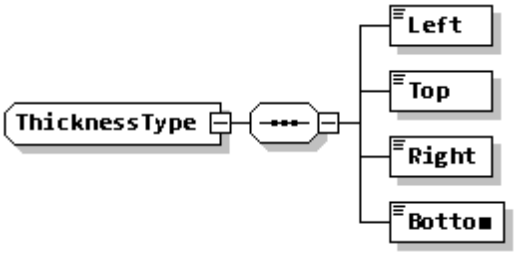
properties
- isRef 0
- content simple

source

```
<xs:element name="Height" type="xs:double"/>
```

complexType **ThicknessType**

diagram



children Left Top Right Bottom

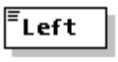
used by
- elements BorderAdorner/BorderThickness BorderAdorner/CornerRadius PrintLayout/PaperMargin

source

```
<xs:complexType name="ThicknessType">
  <xs:sequence>
    <xs:element name="Left" type="xs:double"/>
    <xs:element name="Top" type="xs:double"/>
    <xs:element name="Right" type="xs:double"/>
    <xs:element name="Bottom" type="xs:double"/>
  </xs:sequence>
</xs:complexType>
```

element **ThicknessType/Left**

diagram



type **xs:double**

properties
- isRef 0
- content simple

source

```
<xs:element name="Left" type="xs:double"/>
```

element **ThicknessType/Top**

diagram 

type **xs:double**

properties
- isRef 0
- content simple

source
```
<xs:element name="Top" type="xs:double"/>
```

element **ThicknessType/Right**

diagram 

type **xs:double**

properties
- isRef 0
- content simple

source
```
<xs:element name="Right" type="xs:double"/>
```

element **ThicknessType/Bottom**

diagram 

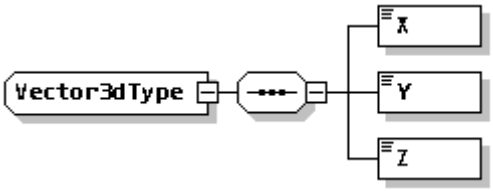
type **xs:double**

properties
- isRef 0
- content simple

source
```
<xs:element name="Bottom" type="xs:double"/>
```

complexType **Vector3dType**

diagram



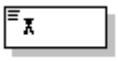
children X Y Z

used by element MapViewType/ViewDirection

source

```
<xs:complexType name="Vector3dType">
  <xs:sequence>
    <xs:element name="X" type="xs:double"/>
    <xs:element name="Y" type="xs:double"/>
    <xs:element name="Z" type="xs:double"/>
  </xs:sequence>
</xs:complexType>
```

element **Vector3dType/X**

diagram 

type **xs:double**

properties
- isRef 0
- content simple

source

```
<xs:element name="X" type="xs:double"/>
```

element **Vector3dType/Y**

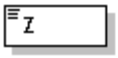
diagram 

type **xs:double**

properties
- isRef 0
- content simple

source
```
<xs:element name="Y" type="xs:double"/>
```

element **Vector3dType/Z**

diagram 

type **xs:double**

properties
- isRef 0
- content simple

source
```
<xs:element name="Z" type="xs:double"/>
```

simpleType **OrientationEnumType**

type restriction of **xs:integer**

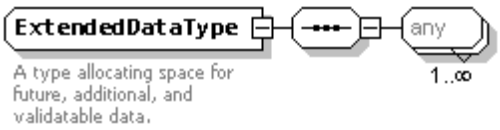
used by
- element **PrintLayout/Orientation**

facets
- enumeration 0
- enumeration 90
- enumeration 180
- enumeration 270

source
```
<xs:simpleType name="OrientationEnumType">
  <xs:restriction base="xs:integer">
    <xs:enumeration value="0"/>
    <xs:enumeration value="90"/>
    <xs:enumeration value="180"/>
    <xs:enumeration value="270"/>
  </xs:restriction>
</xs:simpleType>
```

complexType **ExtendedDataType**

diagram



used by

elements [PrintLayoutElement/ExtendedData1](#) [PrintLayout/ExtendedData1](#) [PrintLayoutElementType/Stylization/ExtendedData1](#) [PrintLayoutElementType/Data/ExtendedData1](#) [PrintLayoutElementType/ExtendedData1](#) [PrintLayoutElementDefinitionType/ExtendedData1](#) [LayoutElementType/ExtendedData1](#) [PropertyMappingType/ExtendedData1](#) [MapViewType/ExtendedData1](#)

annotation

documentation A type allocating space for future, additional, and validatable data.

source

```
<xs:complexType name="ExtendedDataType">
  <xs:annotation>
    <xs:documentation>A type allocating space for future, additional, and validatable data.</xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:any processContents="lax" maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
```