Image Map Schema

The Image Map schema is used to describe parts of an image. The idea is that a supporting application will allow the user to draw shapes (rectangles, circles and polygons) on an image and then specify name, description and/or URL for each shape.

- The schema namespace URI is `http://ns.halligang.se/imagemap/1.0/`
- The preferred schema namespace prefix is `imageMap`

Property	Value Type	Category	Description
imageMap:ImageSize	Dimensions	Internal	The size of the image that this map refers to. **Note:** The `unit` field of the property must be `pixel`.
imageMap:Area	seq Area	External	An ordered array of Area structures. If there is an overlap between areas then those early in the sequence should be considered to be on top.

An application that updates the Area property should also update the ImageSize field with the actual size of the image being described.

If there is a mismatch between the ImageSize field and the actual size of the image then the image has been rotated, resized and/or cropped by an application not supporting this schema. In such case a supporting application should either:

- ignore the schema, since there is no telling what may have happened.

  -- OR --

- assume that the image was only resized, and recalculate the coordinates of each area internally without updating the schema. Only when confirmed by the user should the new size and areas be written back into the schema.

Area

A structure defining a shape (rectangle, circle or polygon) used in an image map.

- The field namespace URI is `http://ns.halligang.se/imagemap/1.0/area/`
- The preferred field namespace prefix is `imArea`

Field Name	Value Type	Description

imArea:type	closed Choice of Text	The shape type. One of:
		`rect`
		`circle`
		`poly`
		
		Note: This is a required field.

imArea:cords	seq Integer	An ordered array that specifies the position and shape. The number and order of values depends on the shape being defined. Possible combinations: `rect` : left-x, top-y, right-x, bottom-y `circle` : center-x, center-y, radius `poly` : x1, y2, x2, y2, …, xN, yN **Note:** This is a required field.
imArea:title	Lang Alt	The title of the area. Typically, it will be the name of the person or object covered by the shape.
imArea:description	Lang Alt	A textual description of the area. Multiple values may be present for different languages.
imArea:target	URL	The location of a web page associated with the area.

Example XMP

This is an example of how the Image Map schema could be defined in XMP:

```
Dumping XMPMeta object ""  (0x0)

   http://ns.halligang.se/imagemap/1.0/  imageMap:  (0x80000000 : schema)
      imageMap:ImageSize  (0x100 : isStruct)
         stDim:w = "1024.000000"
         stDim:h = "768.000000"
         stDim:unit = "pixel"
      imageMap:Area  (0x600 : isOrdered isArray)
         [1]  (0x100 : isStruct)
            imArea:type = "rect"
            imArea:cords  (0x600 : isOrdered isArray)
               [1] = "80"
               [2] = "110"
               [3] = "220"
               [4] = "350"
            imArea:title  (0x1E00 : isLangAlt isAlt isOrdered isArray)
               [1] = "Martin"  (0x50 : hasLang hasQual)
                  ? xml:lang = "x-default"  (0x20 : isQual)
            imArea:description  (0x1E00 : isLangAlt isAlt isOrdered isArray)
               [1] = "Author of Image Map Schema"  (0x50 : hasLang hasQual)
                  ? xml:lang = "x-default"  (0x20 : isQual)
            imArea:target = "http://www.halligang.se/"
         [2]  (0x100 : isStruct)
            imArea:type = "circle"
            imArea:cords  (0x600 : isOrdered isArray)
               [1] = "500"
               [2] = "600"
               [3] = "100"
            imArea:title  (0x1E00 : isLangAlt isAlt isOrdered isArray)
               [1] = "Main Menu"  (0x50 : hasLang hasQual)
                  ? xml:lang = "x-default"  (0x20 : isQual)
               [2] = "Huvudmeny"  (0x50 : hasLang hasQual)
                  ? xml:lang = "sv-SE"  (0x20 : isQual)
            imArea:description  (0x1E00 : isLangAlt isAlt isOrdered isArray)
               [1] = "Return to Main Menu"  (0x50 : hasLang hasQual)
                  ? xml:lang = "x-default"  (0x20 : isQual)
               [2] = "Återgå till huvudmenyn"  (0x50 : hasLang hasQual)
                  ? xml:lang = "sv-SE"  (0x20 : isQual)
            imArea:target = "http://www.halligang.se/index.html"
```

Legal

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