



Change Proposal Form (CPF)

CPF No. **2007-NNUS**

CPF Title: **Graphics Text Hotspot**

Note

Please use a new CPF for each change you think necessary and either type or print legibly.
The CPF No. is given by TPSMG after submission and should be used as a reference thereafter.

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Date: 7 January 2007

Location in the specification	At Issue	2	Change No.	2
Chapter No.	3.9.2	Para No.	12.1, 12.2	Fig No.
Page No.		Line No.		Table No.
Other Identification				

Change you think is necessary (use separate sheet if necessary)

An optional attribute should be added to the `hotspot` element to allow the author to specify a range of characters in a text entity that comprise a hotspot. The `charrange` attribute will specify the start and end range of the characters that make up the hot part of the string. Valid character positions will start at 1 and extend to the length of the string. In order to allow for more than one hotspot per text element, multiple non-overlapping ranges may be specified in multiple hotspot elements.

In Chapter 3.9.2, paragraph 12.2, the hotspot content model will be changed to:

```
<!ELEMENT hotspot - O (applic?, (hotspot | xref)*) >
<!ATTLIST hotspot
  id          ID          #IMPLIED
  apsid       CDATA      #IMPLIED
  apsname     CDATA      #IMPLIED
  type        CDATA      #IMPLIED
  title       CDATA      #IMPLIED
  descript    CDATA      #IMPLIED
  coords      CDATA      #IMPLIED
  charrange CDATA      #IMPLIED
  visibility  (visible | hidden) "visible" >
```

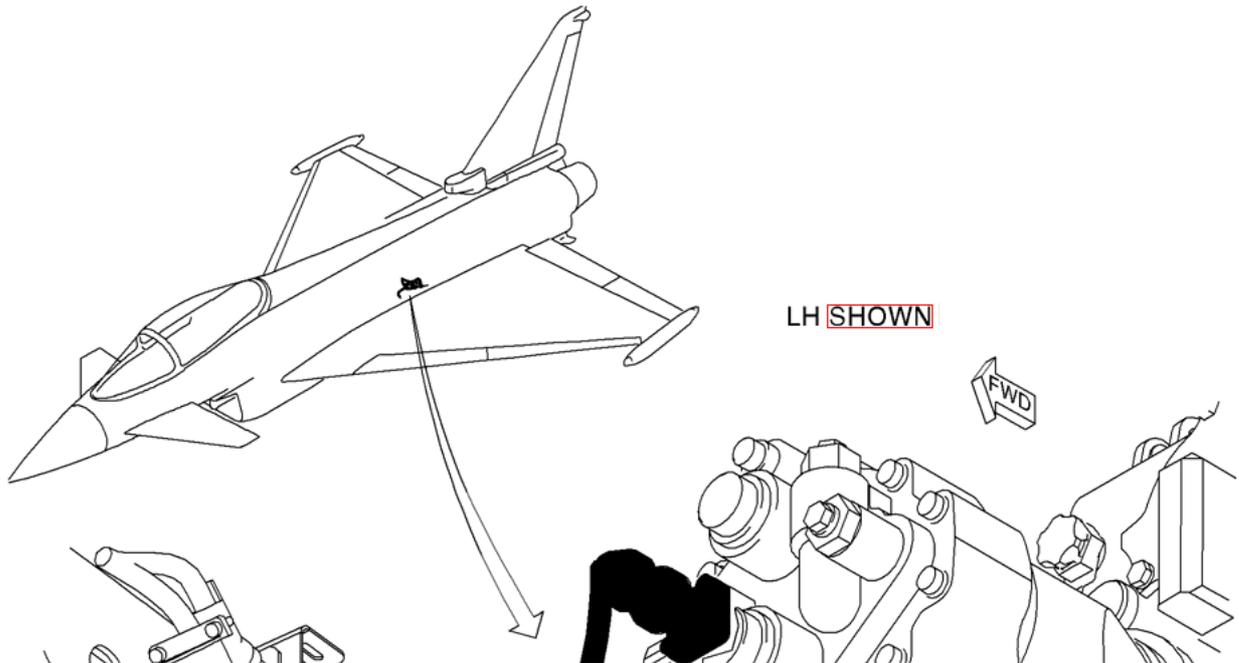


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An example might look like the following:



We wish to hotspot only the word “SHOWN” in the string “LH Shown”. The SGML/XML data module instance fragment for this would look like the following :

```
<hotspot id="fig-0001-gra-0000-hot-0001" apsid="hot001" charrange="4-8">  
</hotspot>
```

This will hotspot characters 4 to 8 of the text string. The characters are numbered as follows:

LH SHOWN

12345678

Reason for your change

There is no easy way to specify that one or more substrings of a text element are hot other than using the `coords` attribute of the `hotspot` element. Because different viewers render text differently according to the font type and presentation parameters, it is nearly impossible to place a hotspot precisely on a particular substring of a text element, especially for long text strings. This change also alleviates the need to generate new hotspot coordinates whenever the content of a text element is changed or when text font, kerning, scale, et cetera, is changed.

The viewer should be able to provide this functionality easily, as it must already have it to render the text correctly.



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This page is for ASD TPSMG use only.

CPF received by ASD	Date :	
CPF sent to TPSMG chairman	Date :	
CPF received by TPSMG chairman	Date :	
TPSMG meeting the CPF was considered	No. :	Date :
TPSMG decision (A = Accepted, C = Cancelled, F = Further info required, M = Modified acceptance, R = Rejected, W = Withdrawn) :		

TPSMG reply to the CPF

Change No. and date on agreed CPF will be included in the Specification

Change No.: _____ Date :

Copy of the CPF was returned to the originating organisation _____ Date :
