

# PDR RID Report

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**Originator** Groff, Robert; Isaac David **Phone No** 301-901-9236  
**Organization** MITRE  
**E Mail Address** rgroff@mitre.org  
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<b>RID ID</b>	<b>PDR</b>	303
<b>Review</b>	CSMS	
<b>Originator Ref</b>	Design 1.4	
<b>Priority</b>	2	

**Section** Sec. 4.1 Software **Page** NA **Figure Table** Table 6.1-3 CSS  
~~Architecture~~

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**Category Name** Design-CSS **Actionee** HAIS

**Sub Category**

**Subject** Adherence to standards and use of custom code is not clear

**Description of Problem or Suggestion:**

Every object service in Table 6.1-3 (except threads) includes custom code by Release A. The overall design strategy that necessitates this custom code is not clear: will COTS services be augmented with custom functionality, will COTS/standard APIs be encapsulated under custom API's, or will COTS APIs be encapsulated under standard APIs? For the naming service, the purpose appears to be the last of these three, which is an excellent approach if the COTS API's are expected to change. Encapsulating standard APIs under custom APIs is not such a good idea.

**Originator's Recommendation**

In section 4.1, clarify the general approach to establishing CSMS service APIs, and define the relative priority of applicable formal standards, COTS, and custom code.

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**GSFC Response by:**

**GSFC Response Date**

**HAIS Response by:** Forman

**HAIS Schedule**

**HAIS R. E.** E. Winston

**HAIS Response Date** 5/2/95

Most Object services for Release A will require some custom code to provide the encapsulation that will allow for the migration in later releases to CORBA and COSS services. In all cases it is the intent to use standardized APIs wherever possible. Some object services also require some extensions (other custom code) to provide added features beyond the standard service offerings.

Section 4.1 will be modified by CDR to clarify the CSS approach to providing APIs.

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**Status** **Closed** **Date Closed** **5/12/95** **Sponsor** **Broder**

\*\*\*\*\* **Attachment if any** \*\*\*\*\*

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