

PDR RID Report

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Document

RID ID	PDR	527
Review	Wrap-up	
Originator Ref		
Priority	2	

Section

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Figure Table

Category Name ECS System-Level

Actionee HAIS

Sub Category

Subject Change in size of COTS

Description of Problem or Suggestion:

The growth in the COTS was not clear from the presentation by R. Barbieri v-graph RB-9.

Originator's Recommendation

Provide information that shows the growth (change) in the COTS, if any, that allows the ECS custom software to remain stable.

GSFC Response by:

GSFC Response Date

HAIS Response by: E. Lerner

HAIS Schedule 5/15/95

HAIS R. E.

HAIS Response Date 6/7/95

Draft

Changes in the estimates of ECS custom software from the SDR to the PDR arise from three sources:

- a) design refinement leads to better estimates of the lines-of-code (LOC) required to provide the required functionality;
- b) changes in the functional requirements (e.g., elimination of the requirement for FOS support of DARs); and
- c) identification of COTS products which can replace custom software developments.

In the last category, the major change from the SDR to the PDR is the replacement of DCE by the newer OODCE COTS product. At SDR, the plan was to use custom code to encapsulate DCE in order to support the object-oriented design and reduce the rework when the transition is made from DCE to CORBA (at Release C). By PDR, we were satisfied that the OODCE product could replace most of the custom encapsulation and provide a graceful path to CORBA. This reduces the CSMS custom code to be developed for Ir-1 by 20,000 LOC.

Status **Closed**

Date Closed **7/6/95**

Sponsor **Johns/Broder/Marine
Ili**

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