

PDR RID Report

Date Last Modified 5/3/95
Originator Isaac, David
Organization MITRE
E Mail Address disaac.mite.org
Document PDR

Phone No 301-901-9232

RID ID	PDR 190
Review	CSMS
Originator Ref	OODCEMIGRATION
Priority	1

Section CSMS/CSS:DCR-OMG

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Figure Table

Category Name Design-CSS

Actionee HAIS

Sub Category OODCE to CORBA

Subject OODCE to CORBA migration cost and strategy

Description of Problem or Suggestion:

1. The cost of migrating to CORBA needs to be quantified. Estimates should cover both CSS services and client applications. Both wrapping and unwrapped migration should be considered. Estimates in \$ and % breakage is needed.

2. CORBA migration strategy needs to be validated. Specific mechanisms and software developer guidelines need to be defined to minimize breakage. Performance impacts need to be quantified. Ability of clients to access coexisting OODCE and CORBA based services should be verified.

Originator's Recommendation

Develop breakage/cost estimates and refine migration strategy via prototype. Document developer guidelines. Quantify performance impact of wrappers or proxies.

GSFC Response by:

GSFC Response Date

HAIS Response by: Forman

HAIS Schedule 2/24/95

HAIS R. E. Winston

HAIS Response Date 4/10/95

While CSS agrees that there are refinements that could be made to the OODCE/DCE to CORBA Migration study, decisions based on this study have already been reached. An agreement was reached with the ESDIS project office and with the ESDIS CSMS ETM that decided that the OODCE selection had to be made last fall based on the best information available from the study. A briefing was also provided to the other ECS segments and their ETMs.

While changes to the study will not be made at this time (based on another agreement reached with the ESDIS project office and with the ESDIS CSMS ETM), CSS will prototype with another CORBA 1.1 beta product by CDR. As part of the prototyping CSS will investigate further the OODCE to CORBA migration strategy, performance, and possible cost impacts. An application developer's guide document is being prepared for CDR (initial draft will be presented at the Developer Workshop at the end of May). This document will provide information to reinforce the migration strategy.

Status **Closed**

Date Closed **5/3/95**

Sponsor **Broder**

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