

# PDR RID Report

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Document PDR

RID ID	PDR	385
Review	SDPS	
Originator Ref	Data Integrity Check	
Priority	2	

Section

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Figure Table MB-20

Category Name Design-Data Server

Actionee HAIS

Sub Category

Subject Data Integrity Check before distribution

## Description of Problem or Suggestion:

There is a risk of data corruption by the FSMS. Thus integrity of data retrieved from the FSMS must be checked before distribution (e.g., via checksum).

## Originator's Recommendation

Check data integrity retrieved from archive before distribution (in STMGIT, SDSRV or DDIST).

GSFC Response by:

GSFC Response Date

HAIS Response by: Eisenstein

HAIS Schedule 5/22/95

HAIS R. E. G. Newell

HAIS Response Date 6/30/95

Data integrity for the ECS archives will be handled in a two tiered fashion. BER monitoring at the device level will guard against data degradation over time. During the Archive and Retrieval operations, we are revisiting the use of checksums (or some other method) to guard against systemic errors or failures in the COTS products (FSMS, OS, etc.). Under analysis is what type of mechanism to use (checksum, CRC, etc.), and where to store this information (append to file, store in database, etc.). We will finish our analysis and describe our approach by CDR.

Status **Closed**

Date Closed **7/11/95**

Sponsor **Kobler**

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