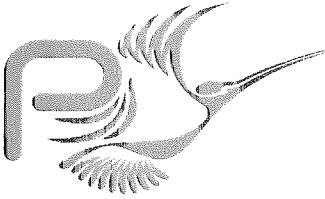


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INCIDENT REPORT

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Project: TIS		Incident Number/Reference: 038	
<b>DESCRIPTION</b> (data and sequence of actions leading to fault, details of actual and expected response)			
In the Formal Specification S.P1229.41.2 and Formal Design S.P1229.50.1 the screen message presented when update config data or archive log operations complete unsuccessfully does not indicate a failure has occurred – This could be misleading to the administrator.			
Found in test: AuditLog1			
Supporting documentation attached		YES/NO	Continued YES/NO
Found during: (use actual project stages)		Reqs/Sys spec/Security Spec/Proof of Spec/Formal Design/INFORMED Design/Proof of Design/Code/Code Proof/Integration/Sys test/Acceptance	
Date: 18/8/2003		Signature of Originator:	
<b>EVALUATION</b> (include list of items affected, details of work required, other similar faults, tests to be re-run)			
The screen message should be set to InvalidData following a failed update config. (InvalidData is a currently unused message). Following a failure of the archive log operation a new message ArchiveFailed should be displayed on the screen.			
<b>See continuation.</b>			
		Continued	YES/NO
Classification:		Critical / Major / Minor / Interfaces / Test / No Fault	
Introduced during: (use actual project stages)		Reqs/Sys spec/Security Spec/Formal Design/INFORMED Design/Code/Integration/Sys test/Acceptance	
Date: 18/8/2003		Signature of Evaluator:	
<b>RESPONSE</b> (detail how incident is to be resolved, identify cause of problem, related faults and change requests)			
Update as described in the evaluation			
		Continued	YES/NO
Date: 18/8/2003		Signature of Project Manager:	
<b>IMPLEMENTATION</b> (if applicable)			
Assigned to:		Signature of Project Manager:	
Item modified	Date/Version	Signature of Checker	Signature of Integrator
S.P1229.41.2 (Spec)	1.3		
S.P1229.50.1 (Design)	1.2		
enclave.adb	1.10 → 1.11		
screen.ads	1.6 → 1.7		
screen.adb	1.6 → 1.7		
		Continued	<input checked="" type="checkbox"/> YES



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Evaluation Continued:



- ✓ In the **Formal Spec** the AdminOpFinishContext should not set the screen message, this should depend on whether the operation succeeded or failed. All schemas using this context should now set the screen message explicitly.
- ✓ The screen message archiveFailed should be added, this should have text realisation as "ARCHIVE FAILED: PLEASE ENTER NEW OPERATION".
- ✓ The schema FinishUpdateConfigDataFail should set the screen message to invalidData.
- ✓ The schemas FinishArchiveLogNoFloppy and FinishArchiveLogBadMatch should set the screen message to archiveFailed.

In the **Formal Design** the same changes should be made as for the Specification.

In the **code**

- ✓ **enclave.adb** change the screen message displayed when the operations UpdateConfigData and ArchiveLog fail.
- ✓ **configuration.ads / adb** needs to return the success or otherwise of the validation so that we know what msg to display.
- ✓ **screen.ads / adb** needs to include the new message.

IMPLEMENTATION cont.

Item modified	version	Signature of Checker	Signature of Integrator.
configuration.ads	1.3 → 1.4	David Cooper	
configuration.adb	1.4 → 1.5	David Cooper	
<u>SPARK annotations only</u>			
enclave.ads	1.9 → 1.10	David Cooper	
bus.adb	1.10 → 1.11	David Cooper	