Project: TIS	Incident Number/Reference: 050

DESCRIPTION *(data and sequence of actions leading to fault, details of actual and expected response)*

On trying to install the TIS on an NT 4.0 machine there were problems with the console intialisation. The Win32 call to reset the console size to 80x30 characters failed this caused the application to close the console completely leaving a system with no console and thus no output.

Found in test: NT Installation

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 (User Manual)~~

Date: 05/09/2003 Signature of Originator: [signature]

EVALUATION *(include list of items affected, details of work required, other similar faults, tests to be re-run)*

In the **code** it would be more practical if simple failures to reset console parameters did not cause the console to be killed. A system fault can still be logged if a failure is detected but the console should be allowed to remain. This would prevent minor failures from leaving an unaccessable application.

Further, the reason for this fault was that the window size was being set before the underlying buffer size and the window cannot be larger than the buffer. Similarly the buffer size cannot be smaller than the window so simply reordering the calls will not always work.

p.t.o. *Continued* YES

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: 05/09/2003 Signature of Evaluator: [signature]

RESPONSE *(detail how incident is to be resolved, identify cause of problem, related faults and change requests)*

Update as described in evaluation.

Continued ~~YES~~/NO

Date: 05/09/2003 Signature of Project Manager: [signature]

IMPLEMENTATION *(if applicable)*

Assigned to: janet Signature of Project Manager: [signature]

Item modified	Date/Version	Signature of Checker	Signature of Integrator
screen-interface.adb	1.2 → 1.4	[signature]	*Continued* NO

EVALUATION *continued*

The solution is to perform the following actions:

1. Obtain the current window size (this will be no bigger than the buffer size).
2. Set the buffer size to the window size except if a window dimension is less than required use the required window dimension (the buffer will now be at least 80x30 but could be larger).
3. Set the window size to 80x30
4. Set the buffer size to 80x30.