

PFR-170 Title: ITOS crash when using 'sim chg' operator

Assembly : EGSE	SubAssembly : ITOS		
Component :	Units Affected:	Units fixed:	
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Failure Occurred During (Check one $$) \Box Functional test \Box Qualification test X S/C Integration \Box Launch operations \Box Other (Flight Assy)			
Environment when failure occurred:			
□ Ambient □ Vibration	□ Shock □	□ Acoustic	
Thermal Vacuum	Thermal-Vacuum	⊐ EMI/EMC	
Problem Description			

(In this section it is important to document the specific symptoms of the problem. In the event we see it happen again, we would like to know as much as possible.)

The ITOS STOL GUI crashes if the user attempts to set a mnemonic value with a discrete instead of a numeric literal using the 'sim chg' operator in the STOL GUI window. It may be that one is only allowed to set using numbers (the ITOS documentation is vague), but at any rate, the fact that the STOL GUI crashes needs to be looked into. Furthermore, when STOL GUI restarts, its in a rather disturbed state.

This problem is somewhat similar to a problem with typos in commands causing the STOL GUI to crash (that problem is well and truly fixed in 703p1-5).

Analyses Performed to Determine Cause

(How do we know how the failure happened? Was it a bad part, bad handling, what?) For example, typing "sim chg IACTSELECT=AXB1" causes a crash of the STOL GUI, whereas "sim chg IACTSELECT=1" would work. Note: this is not specific to the IACTSELECT mnemonic or the AXB1 discrete. I believe this problem should be reproducible with any mnemonic/discrete combination.

Corrective Action/ Resolution

(How do we fix the unit? And how do we make sure it doesn't happen again?) Hammers advises this problem has been resolved, and will be fixed in release p1-6, expected to be delivered in early July. This PFR can be closed.

Acceptance:	
MAM: Ron Jackson	; MSE: Ellen Taylor
PM: Peter Harvey	; Cognizant Engineer

Date of Closure_____