

Debugging Software Modules

Attributes	Definition
Behaviors	See software attributes template (Software.wb3) for attributes
Process	
Initialization / Reset Mode	The condition that the system assumes upon startup or energization - both initially and after reset.
Exact sequence of operations	The sequence of operation and interlock conditions required for sequential logical operations
Abnormal events--errors & recovery	Software precautions to prevent other errors, and error recovery mechanisms in the software.
Effect of parameters	Parameters which may be supplied to the debugger, and the effect of parameter changes on the software being debugged.
Display	
User commands & responses	Definition of commands which the system will accept from a terminal, and definition of the responses

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Attributes	Typical Source of Constraints	Typical Location of Constraints	Comments
Behaviors	See software attributes template (Software.wb3) for attributes		
Process			
Initialization / Reset Mode	Specification of debugger reset or power-up state.	Protection System Specification	
Exact sequence of operations	Specification of debugger modes (breakpoints, single step, etc.)	Protection System Specification	
Abnormal events--errors & recovery	Specification of handling of core dump and other errors	Protection System Specification	
Effect of parameters	Specification of capability of changing program parameters	Protection System Specification	
Display			
User commands & responses	Specification of acceptable user commands & responses	Protection System Specification	

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Attributes	Safety Constraint	Source	Actual Requirement	Source	Constraints Met?	Comments
Behaviors	See software attributes template (Software.wb3) for attributes					
Process						
Initialization / Reset Mode						
Exact sequence of operations						
Abnormal events--errors & recovery						
Effect of parameters						
Display						
User commands & responses						