

Interrupt Handling Software Modules

| Attributes | Definition |
|--|--|
| See software attributes template (Software.wb3) for attributes | |
| Behaviors--Behaviors are defined for software in specific physical devices | |
| Process | |
| Operating Modes | The different sets of conditions under which the system has exhibits notably different behavior |
| Functional Transformation | The description of the processing by the interrupt service routine. |
| Bypass Functions | The capability to bypass interrupts in certain operating modes. |
| 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 |

Interrupt Handling Software Modules

| Attributes | Typical Source of Constraints | Typical Location of Constraints | Comments |
|--|--|--|----------|
| See software attributes template (Software.wb3) for attributes | | | |
| Behaviors | | | |
| Process | | | |
| Operating Modes | Application software requirements and integrity strategies | Protection System Specification | |
| Functional Transformation | Application software requirements and integrity strategies | Protection System Specification | |
| Bypass Functions | Application software requirements and integrity strategies | Protection System Specification | |
| Initialization / Reset Mode | Defined safe state | Protection System Spec., Component Safety Analysis | |
| Exact sequence of operations | Application software requirements and integrity strategies | Protection System Specification | |

Interrupt Handling Software Modules

| Attributes | Safety Constraint | Source | Actual Requirement | Source | Constrains Met? | Comments |
|---|-------------------|--------|--------------------|--------|-----------------|----------|
| See software attributes template for attributes | | | | | | |
| Behaviors | | | | | | |
| Process | | | | | | |
| Operating Modes | | | | | | |
| Functional Transformation | | | | | | |
| Bypass Functions | | | | | | |
| Initialization / Reset Mode | | | | | | |
| Exact sequence of operations | | | | | | |