Table 15. FS, VS, and XS state transitions.

Current State Action	Off	Initial	Clean	Dirty

At context save in privileged code				
Save state? Next state	No Off	No Initial	No Clean	Yes Clean

At context restore in privileged code				
Restore state? Next state	No Off	Yes, to initial Initial	Yes, from memory Clean	N/A N/A

Execute instruction to read state				
Action? Next state	Exception Off	Execute Initial	Execute Clean	Execute Dirty

Execute instruction that possibly modifies state, including configuration				
Action? Next state	Exception Off	Execute Dirty	Execute Dirty	Execute Dirty

Execute instruction to unconfigure unit				
Action? Next state	Exception Off	Execute Initial	Execute Initial	Execute Initial

Execute instruction to disable unit				
Action? Next state	Execute Off	Execute Off	Execute Off	Execute Off

Execute instruction to enable unit				
Action? Next state	Execute Initial	Execute Initial	Execute Initial	Execute Initial