Bit Location	Description	Attributes
	• An Expansion ROM is considered valid if it passes an implementation specific integrity check. • An Expansion ROM is considered valid-warn if the implementation specific integrity check passes but indicates an implementation specific warning condition. • A valid or valid-warn Expansion ROM is also considered trusted if passes an optional implementation specific trust test (e.g., signed by a trusted certificate). • Hardware validation must include the contents of the Expansion ROM. This validation status is also permitted to cover additional internal information (e.g., internal firmware). Validation does not include Vital Product Data (see § Section 6.27). • It is optional whether an implementation is capable of returning Validation Status values 011b, 101b, 110b, or 111b. Defined encodings are: **000b** Validation not supported **001b** Validation in Progress **010b** Validation Pass Valid contents, trust test was not performed **011b** Validation Pass Valid and trusted contents **100b** Validation Fail Invalid contents **101b** Validation Fail Valid but untrusted contents (e.g., Out of Date, Expired or Revoked Certificate) **110b** Warning Pass Validation Passed with implementation specific warning. Valid contents, trust test was not performed **111b** Warning Pass Validation Passed with implementation specific warning. Valid and trusted contents • If the Function does not support validation, this field must be hardwired to 000b. • If the Function supports validation and has an Enhanced Allocation Capability with an EA entry for an Expansion ROM, this field is HwInit and its value must be between 010b and 111b (see § Section 7.8.5.3). • Otherwise, this field is Read Only Sticky and has a default value of 001b. When validation completes, this field must contain a value between 010b and 111b inclusive. • Software is permitted to assume validation will never complete if this field contains 001b and 1 minute has passed after de-assertion of Fundamental Reset. This field is only reset by Fundamental Reset, and is not affected by other resets.	
7:4	***Expansion ROM Validation Details*** - contains optional, implementation specific details associated with Expansion ROM Validation. • If the Function does not support validation, this field is RsvdP. • This field is optional. When validation is supported and this field is not implemented, this field must be hardwired to 0000b. Any unused bits in this field are permitted to be hardwired to 0b. • If validation is in progress (Expansion ROM Validation Status is 001b), non-zero values of this field represent implementation specific indications of the phase of the validation progress (e.g., 50% complete). The value 0000b indicates that no validation progress information is provided.	HwInit/ROS/RsvdP