

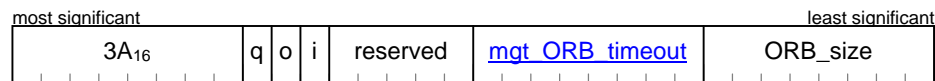
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FROM: Peter Johansson  
 TO: T10 SBP-2 *ad hoc* Working Group  
 DATE: August 18, 1997  
 RE: SBP-2 Management ORB Time-outs

At the last meeting in San Jose, consensus emerged to redefine *login\_timeout* in configuration ROM as the time-out value for all ORB's signaled to a target's MANAGEMENT\_AGENT register. The new language below is proposed for submission the T10 plenary for stabilization.

### 7.5.8 Logical\_Unit\_Characteristics entry

The Logical\_Unit\_Characteristics entry is an immediate entry that, when present in the unit directory, specifies characteristics of the target implementation. Figure 52 shows the format of this entry.



**Figure 52 – Logical\_Unit\_Characteristics entry format**

3A<sub>16</sub> is the concatenation of *key\_type* and *key\_value* for the Logical\_Unit\_Characteristics entry.

The *q* bit shall specify the task management (queuing) model implemented by the target. If *q* is zero, the target implements the basic task management model defined by this standard in 10.2. When *q* is one, the task management model is dependent upon the command set specified by the Command\_Set\_Spec\_ID and Command\_Set entries.

The *ordered* bit (abbreviated as *o* in the figure above) specifies the manner in which the target executes tasks signaled to the normal command block agent. If the target executes and reports completion status without any ordering constraints, the *ordered* bit shall be zero. Otherwise, if the target both executes all tasks in order and reports their completion status in the same order, the *ordered* bit shall be one.

The *isochronous* bit (abbreviated as *i* in the figure above) specifies whether or not the target supports isochronous operations. When *isochronous* is one, create stream requests, stream command block requests and stream control requests shall all be supported. If the *isochronous* bit is one, the *irmc*, *cmc* and *isc* bits in the bus information block shall also be one, as described in 7.1.

The [mgt\\_ORB\\_timeout](#)~~login\_timeout~~ field shall specify, in units of 500 milliseconds, the maximum time an initiator shall allow for a target to store a status block in response to ~~a management ORB~~~~the initiator's login request~~. The time-out commences when the initiator receives either *ack\_complete* or *resp\_complete* from the target in response to the block write of the management ORB address to the MANAGEMENT\_AGENT register.