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IEEE 802.1 REVISION REQUEST XXXX

DATE: April 7, 2011  
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REQUESTED REVISION:  
STANDARD: 802.1Q-2005  
CLAUSE NUMBER: 13.37.1  
CLAUSE TITLE: Internal Path Costs

RATIONALE FOR REVISION:

Table 13-3 which lists internal path costs for various link speeds does not include a path cost for 40 Gbps links.

PROPOSED REVISION TEXT:

Add a row to Table 13-3 with the following entries for the corresponding columns:

Link Speed: 40 Gb/s  
Recommended value: 500  
Recommended range: 50 - 5000  
Range: 1 ? 200000000

IMPACT ON EXISTING NETWORKS:

Existing networks will fall into one of 3 categories:

1. No 40 Gb/s links.
2. 40 Gb/s links use an internal path cost of 500.
3. 40 Gb/s links use an internal path cost other than 500.

Of these, there would be no impact for (1) and (2). For (3), the impact would be that when newer devices that are added to the network, the operator would either have to manually change the default internal path cost for 40 Gb/s links of already deployed equipment, or have a network in which 40 Gb/s links have unequal preference with respect to RSTP and MSTP.

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Please attach supporting material, if any  
Submit to: - Tony Jeffree, Chair IEEE 802.1  
and copy: - Paul Congdon, Vice-Chair IEEE 802.1  
E-Mail: stds-802-1-maint-req@ieee.org  
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