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IEEE 802.3 Link Aggregation : Support for More Limitations

By Luc Pariseau

June 30, 1998

Limitation support

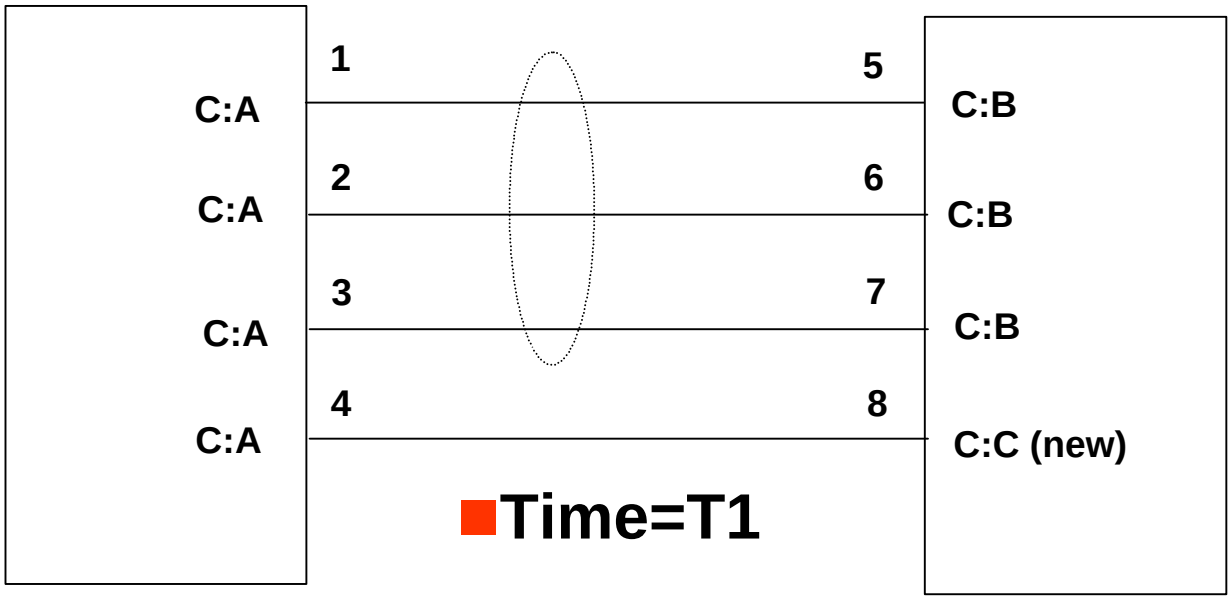
- **“Static” limitations are supported by the current draft. (Example: You can only aggregate ports together that are on the same slot in a chassis. 1st slot has Capability “A”, 2nd has “B”, etc. The port Capability remains the same.)**
- **“Dynamic” limitations are NOT supported. (Example: You can only aggregate a maximum of 3 ports per group. ANY 3 ports in your system. Called “dynamic” because at first it may seem that changing the port Capability dynamically can fix this problem.)**

1 Limited System + 1 Unlimited System

- **Dynamically changing the Capabilities "works" if 1 switch doesn't have the limitation:**

1 Limited System + 1 Unlimited System (cont)

- **Dynamically changing the Capabilities "works" if 1 switch doesn't have the limitation:**

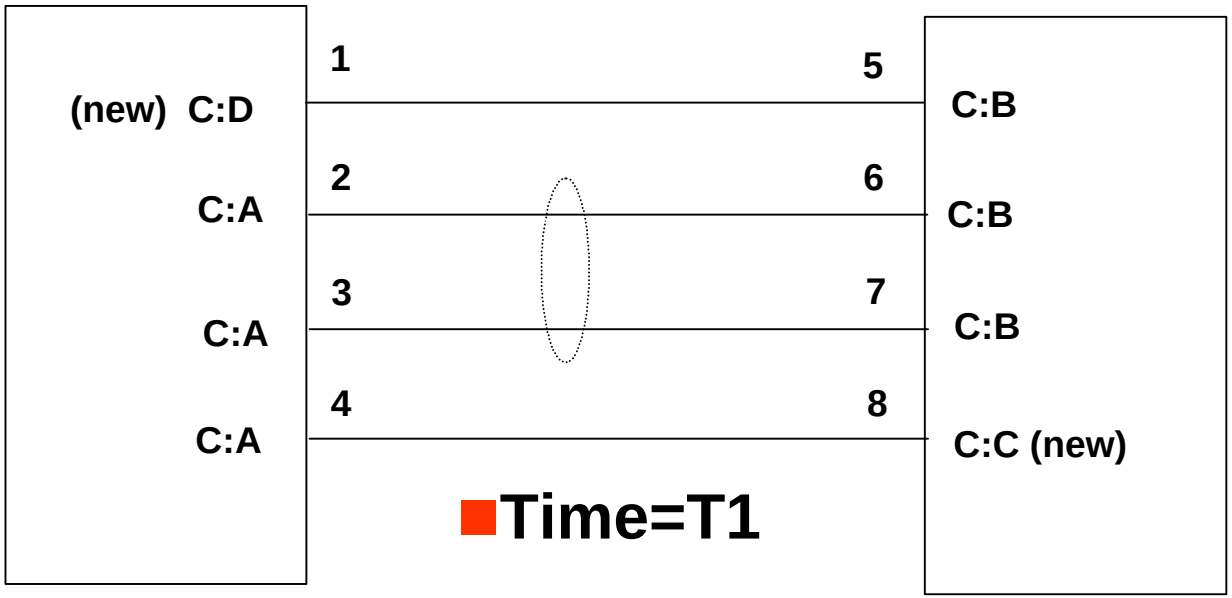


2 Limited Systems

- **Dynamically changing the Capabilities does NOT work if both switches have the limitation:**

2 Limited Systems (continued)

- **Result is not optimal and/or may never converge**



Conclusion

- **Is this a problem that IEEE needs to address?**
- **If so, we believe that a “master/slave” solution is required. (Lowest System ID is the master.)**