ERICSSON

P802.1Qca – D0.7 Editor's Report

Comment Resolution for TG Ballot

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Ballot Statistics

CATEGORY	All respondents	
	TOTAL	%
Yes	4	17
No	3	12
Voting Yes or No	7	29
Abs. Time	10	42
Abs. Expertise	7	29
Abs. Other	0	0
Respondents	24	100
Voters	N/A	N/A
Liaisons responding	0	0
No. of commenters	3	12
No. of comments	39	
TR	10	
ER	6	

Most Important Changes

- splitting the former subclause 45.1.1 ISIS-PCR VLAN configuration into two:
  - 45.1.2 ISIS-PCR VLAN configuration
  - 45.1.3 Explicit ECT Algorithms
- splitting the former subclause 45.1.2 Use of VIDs for static explicit trees into two:
  - 45.1.1 Tree structures
  - 45.1.4 Use of VIDs for static explicit trees
- number of further updates in Clause 45
- updates in Clause 12

Managed Objects – 1

- SPB System managed object (12.25.1)
  - It is in fact the L2 IS-IS System MO, and a bridge that supports Qca is a L2 IS-IS System
- SPB MTID Static managed object (12.25.2)
- SPB Topology Instance Dynamic managed object (12.25.3) (automatically created as a consequence of the creation of the SPB MTID Static MO)
  - Qca also builds upon MT IS-IS, hence it is needed for Qca too
- SPB ECT Static Entry managed object (12.25.4)
- SPB ECT Dynamic Entry managed object (12.25.5) (created as a consequence of the creation of the SPB ECT Static Entry MO)
  - **This is the most important MO for Qca as Qca defines new ECT Algorithms**
- SPB Adjacency Static Entry managed object (12.25.6)
- SPB Adjacency Dynamic Entry managed object (12.25.7)
  - A Qca bridge is an IS-IS bridge, it needs to build up adjacencies
- SPBM BSI Static Entry managed object (12.25.8)
  - If a BSI is carried over an explicit tree in a PBBN, then it is needed in Qca too

Managed Objects – 2

- SPB Topology Node Table managed object (12.25.9)
  - automatically created as a consequence of the creation of the SPB MTID Static MO, so it is there in Qca
- SPB Topology ECT Table managed object (12.25.10)
  - automatically created as a consequence of the creation of the SPB MTID Static MO, so it is there in Qca
- SPB Topology Edge Table managed object (12.25.11)
  - automatically created as a consequence of the creation of the SPB MTID Static MO, so it is there in Qca
- SPBM Topology Service Table managed object (12.25.12)
  - automatically created as a consequence of the creation of the SPB MTID Static MO, so it is there in Qca
  - it is needed for explicit trees allocated to SPBM mode
- SPBV Topology Service Table managed object (12.25.13)
  - automatically created as a consequence of the creation of the SPB MTID Static MO, so it is there in Qca
  - it is needed for explicit trees allocated to SPBM mode

Items for Decision

- Topology sub-TLV Format
  - http://www.ieee802.org/1/files/public/docs2014/ca-farkas-topology-description-0314-v02.pdf
  - The main difference between the two formats:
    - Current format (Format A) is based on Circuit ID
    - Alternative proposal (Format B) is based on the order of Sys IDs
- Explicit ECT Algorithms
  - http://www.ieee802.org/1/files/public/docs2014/ca-farkas-d0-6-tutorial-0314-v03.pdf
  - Six Explicit ECT Algorithms are specified by Qca D0.6 & D0.7?
  - Do we need them all?
- SPBM LFA Multicast (Comment #77 on D0.3)
  - http://www.ieee802.org/1/files/public/docs2014/ca-farkas-LFA-SPBM-multicast-0314-v01.pdf
  - The main difficulty is that local repair is not enough because the bridges that need to react to the failure are not aware of it.

Joint Meeting

- 1: Qcc – Qca interworking
- 31: Is interworking provided by IS-IS, ISIS-SPB, or ISIS-PCR?
- 12: Do we need the MDP ECT Algorithm?
- 6: remote & off-line PCEs
- 13: VID assignment to a learning VLAN in case of LTS
- 17: VIDs for LTS

IWK Meeting

- 3: enhanced ingress checking
- 5: SPBM BSI Static Entry managed object
- 39: learning VID and non-learning VID
- 9: Binding multiple VIDs in support of a VLAN under explicit path control
- 17, 23: VLAN tag vs. VID vs. Base VID
- 22, 29: what to do in case of illegal mixture of hop types?
- 36: MRT Root vs. STP Root
- 34, 35, 37, 38: MRT VID conveyed by SPVID field
- 27: indexing in Figure 45-7

Open Items

- Cautions restoration is needed for redundant trees
  - How to do that exactly?
  - Shall we use topology digest?
    http://www.ieee802.org/1/files/public/docs2013/ca-farkas-path-status-notification-0513-v01.pdf
- LAG with conversation-sensitive frame collection and distribution (Comment #59 on D0.4)
- Annex Z items
- MIBs