IEEE 1904 ANWG 1904.2 TF Closing Report

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Chair: Lu Yang, RITT
Editor: Raziel Gabe, PMC Sierra

Action Items

❑For Glen

- In UMT layering diagram
  - In OAM Clients and IP Clients show two paths: with and without UMT encapsulation
  - Remove TR-069 and SNMP clients
  - Show encapsulation function

- Develop state machines for UMT parser and demultiplexor

- In the architecture example #3 (tf2_1412_kramer_1.pdf), show Management Master in a separate box marked NOC

Action Items

□ For Marek
 – Informative clause with IP Payload examples

□ For Raz and Marek
 – Intro text to describe architecture diagrams in tf2_1412_kramer_1.pdf

Motion #3

- If an informative clause specifying the transport of SNMP and TR-069 payloads is added to the standard, this clause shall also include the NetConf use case as an example.

- Moved: Liquan Yuan
- Seconded: Raz Gabe
- (Technical , >= 2/3)

- Y:6   N:0   A:0

Sample End to End use case

A discussion on UMT L3 ingress / egress issues and architecture ,a sample end to end use case been made

Definitions for UMT protocol

- ❑ **Management server**- device or functions that initiate/ response management query or commands
- ❑ **UMT domain controller-** a function responsible for discovery of UMT clients and establishments of UMTs (tunnels). There should be only one domain master per UMT domain.
- ❑ **UMT Domain ingress and egress points (AKA, server side end point and client side end point)**- may be separated from the actual devices that been managed.

Outputs from the discussion:

- ❑ Do we have enough IPv4/IPv6 expertise in the group?
- ❑ We will keep to discuss on that topic in February 2015 meeting.

What are the management domains in the access Network? TR-69/1904.2/SDN/ SNMP/ NetConf

We will try to following the management processes as in cables RG and in the L2 access layer:

- ❑ Per domain there should be single domain master
- ❑ But there might be multiple domains for one master
- ❑ Do we need of destroying a channel to cope a load balancing or to switch to another DM?

MTU discovery discussion

- ❑ There are several options to find the minimum MTU that the networking support by MTU discovery
- ❑ We will rely on known mechanism for MTU discovery which is independent from UMT discovery

AI Glen:

❑ show a protocol diagram simplified for EPoC

AI Hesham:

❑ What will be the impact of MAC sec on UMT (Based on the work that they already did it for 802.1Qbb)

❑ We will schedule an interim call between January 7th to 9th to discuss the progress on the actions items.

Thank You