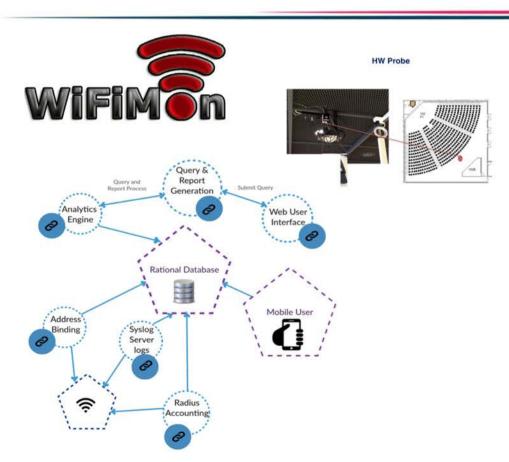
GN4-2-SA3T5 (eduPERT)

Kurt Baumann (SWITCH)

GN4-2-SA3T5 Discussion

	eduPERT IST	eduPERT future
Community model	 eduPERT part of the GEANT project NRENs, Coordinator role Coordination PERT Volunteer basis (one person) Work flow: Support solving performance issues (best effort) 	 eduPERT part of the GEANT project (NQA– SA3) (N)RENs+ (Outreach organizations) Expertise (small projects), KDB Volunteer basis (team) Work flow: Working on Expertise, offering tools Umbrella SIG-PMV
Innovation drivers	eduPERT(rather passive role) Focus: PERT trainings, KDB - Input: NRENs NOCs - eduPERT trainings / monthly calls - Virtual Organisation (Mailing list) - "Coordination as a service"	eduPERT(pro-active) Focus: Competence Centre, tools, Expertise - Input: (N)RENs, Universities+ (Outreach organizations) - eduPERT trainings, Expertise in PMV, - F2F meetings: SIG-PMV, forum, sharing expertise - New tools, approaches (WCsPMV, CFM, DTNs)

GN4-2-SA3T5 - Small Projects





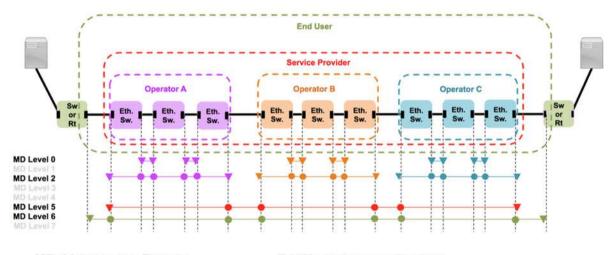
The data we actually seek includes three items:

- The results of performance tests (JavaScript)
- WAP where the user is/was connected (WAP-ID)
- To when the test took place (Time Stamp)

ML7.1: https://goo.gl/DgbPA1

GN4-2-SA3T5 - Small Projects (cont)

- Ethernet services in multiple operator/administrative domain environments introduce complexity to operators task
- CFM has been standardized in IEEE 802.1ag
- Additional support is provided by ITU-T Y.1731



MD: Maintenance Domain
MA: Maintenance Association

▼ MEP : Maintenance End Point

(further distinguished: UP-MEP, DOWN-MEP)

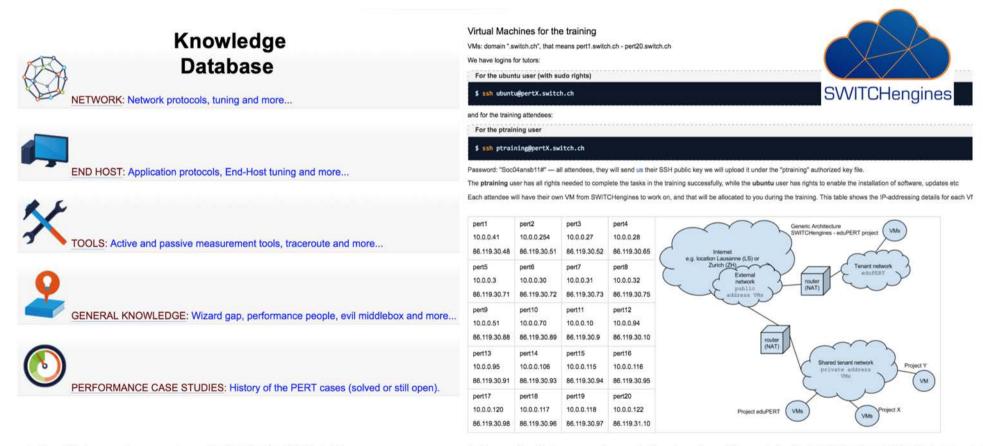
MIP : Maintenance Intermediate Point

MEP,MIP behaviour: MEPs generate CFM Message, MEPs and MIPs process CFM Message

- CFM Message with MD-Level > MIP/MIP Level : transparently pass
- CFM Message with MD-Level < MEP/MIP Level : discard
- CFM Message with MD-Level = MIP/MIP Level processes CFM Message (respond, transport or accepts)

Source: 1st SIG-PMV Meeting in Zurich - https://goo.gl/C3XYJv

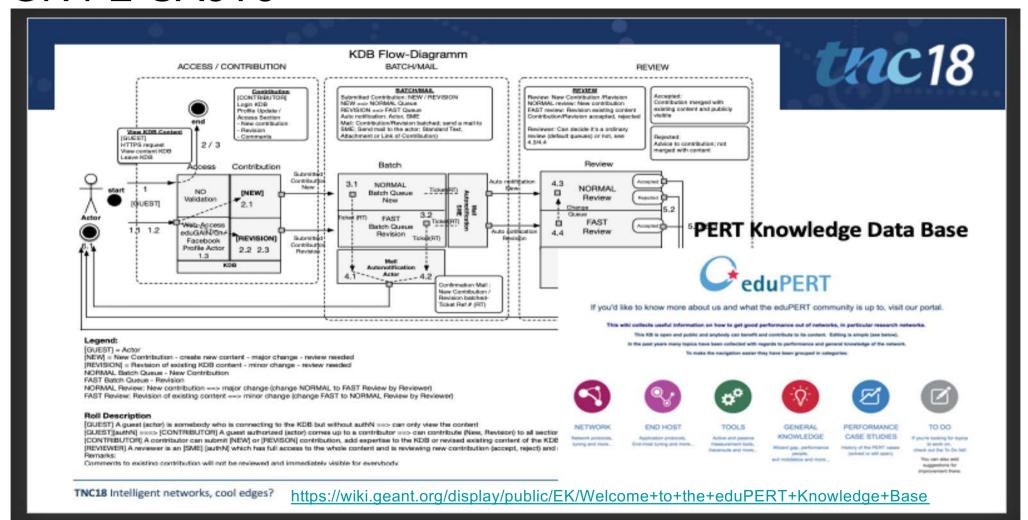
GN4-2-SA3T5 - Small Projects (cont)



http://kb.pert.geant.net/PERTKB/WebHome

https://wiki.geant.org/display/gn41na1/eduPERT@TNC15+Training

GN4-2-SA3T5



GN4-2-SA3T5 Conclusion

- What are some of the challenges and what can others do to support our efforts?
 - · To build a Community with an active role
 - → GEANT SIG-PMV, the umbrella for researchers, the NRENs' PERT teams, outreach etc.
 - To bring the NRENs requirement to PMV
 - → GEANT eduPERT task: To offer expertise → make tool sets available
 - · To force the NRENs active role for evolving PMV awareness, knowledge
 - → GEANT eduPERT task: To offer trainings, to support a KDB
 - Outreach, Research organizations involved on figure out requirements
 - > ?, Collaborations, SIG-PMV or another forum
- What other might do to stand up similar functionality at their organisations?
 - NRENs, from their interests point of view to address requirements to the GEANT (eduPERT) PMV task
 - KDB available or contribution on PMV-Issues
 - Collaborations on building tool sets (motto from/to the community)
 - Research on performance VERIFICATION
 - ...