

OAM-AH

November 2002

OAM Ad-Hoc goals

- Agree on OAM tools to be standardized in 802.17
- Propose text improvements to current draft

Draft 1.1

- Includes the following normative tools:
 - Echo request/response
 - Flush
- Annex K:
 - Echo request/response based connectivity check
 - Optional

Updates

- Flush message
 - Frame sent around the ring back to the source
 - Source can select service class and protection
 - No specific payload defined
- BAH is encouraged to review and provide comments

Updates (continued)

- Activation/Deactivation - Removed
- CC/RDI - Removed

Annex K

- Optional: Connectivity monitoring using echo request/response
- Hard failures only
 - May not catch intermittent failures
- Based on normative echo implementation
 - No need for target station provisioning or coordination

Fault monitoring options

- Monitored stations
 - Single station
 - Group of station
 - All stations
- Monitored paths
 - East
 - West
 - Both
 - Default
- For each path the station may monitor any or all service classes

Echo connectivity monitoring - parameters

- Repetition rate
 - >0.5 msec. Default 10 msec
 - Echo response processing time: Default <10 msec
- LOC defect (dLOC) declaration
 - No response within 1 to 100 msec. Default 10 msec
- LOC failure detection
 - No reply in a 2.5 sec period
- LOC failure clear
 - No response missing for 10 sec