

DESIGNER, INTEGRATOR & OPERATOR OF MISSION CRITICALSYSTEMS

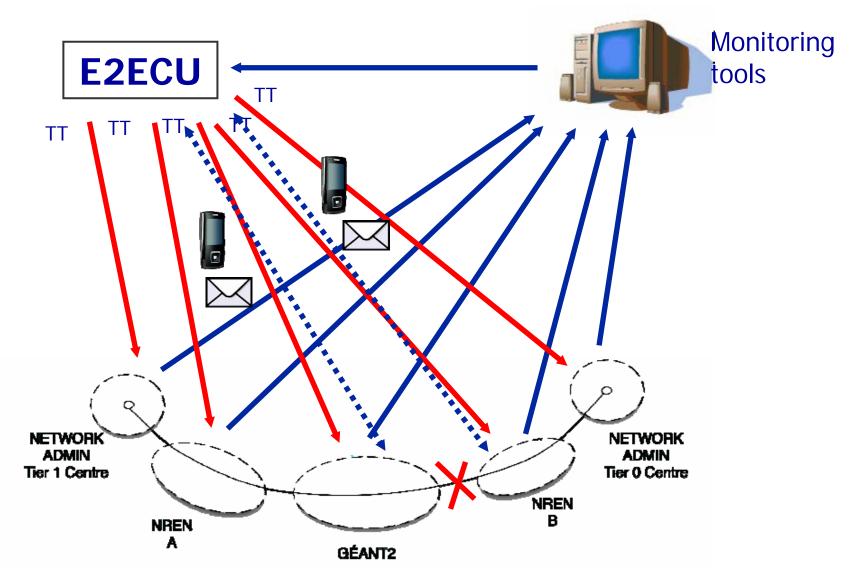
GEANT2 E2ECU

APM Meeting – 09/01/2007



E2ECU - Fault report

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Useful information

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- Opening hours
 - Week days: 6am to 10pm CET
 - Week-end days: 9am to 6pm CET
- Mail address: <u>e2ecu@noc.geant2.net</u>

• Telephone number: +33 141 288 577

- Fault/Maintenance report form on GEANT2 website
 - · Mail and phone can also be used to report fault and maintenance



Roles of the GEANT2 E2ECU

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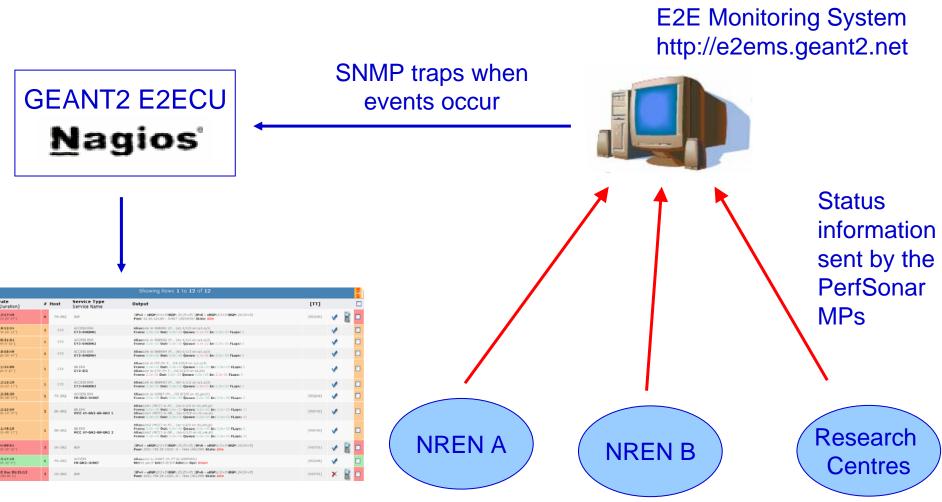
- Fault detection on inter-domain links (End-to-end links)
 - Supervision of the e2e links
 - Fault/Maintenance announcement => TT

- Co-ordination
 - Troubleshooting of the issues
- **Provide monthly report**
 - An initial draft will describe the e2e links availability and tickets opened



E2ECU – Fault detection

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GEANT2 NEB

Network Event Broker



GEANT2 NEB

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New alarms incoming







E2ECU - Tools

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TTS

- WebP@C: CS In-house developed TTS Same as the one used for GEANT2 NOC
- Send tickets to registered users per project
 - Each user registered to receive the tickets for a project will receive the tickets that are related to this project but not for the other projects
 - Adding recipients with the DANTE agreement

Database

- Temporary solution
 - Excel file containing the information about e2e links and the entities to contact
 - E2E links ID

Segment

Responsible NOC of the segment

Contact phone numbers and emails

- Allowed users/entities to contact the E2ECU
- The DANTE Database is being developed to store the information about e2e links



Current setup status

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Mailbox and phone number	100%
NAGIOS plug-in finished	100%
Procedures written	100%
Trouble Ticketing System configured	100%
 Database excel file done, DANTE Database is being developed 	65%
Web interface under development	25%
 Monthly reports 	50 %
 awaiting new version of E2E Monitoring system to calculate the links availability 	

Pilote service until end of January **Operational beginning of February**



GEANT2 E2ECU

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What is currently monitored?

- 1 project is being monitored
 - LHCOPN
- 10 E2E links are monitored in the E2E Monitoring System
 - But many links miss their Administrative status or part of the e2e link is not monitored yet
- Perfsonar MP/MA
 - If the PerfSonar MP/MA of the entity is not sending the data anymore to the E2E Monitoring System, an alarm is received by the E2ECU



Questions, remarks?

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