eGee

ENOC status

Mathieu Goutelle (CNRS UREC)

LHC-OPN meeting – 2007-04-20, Münich (DE)

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Information Society
and Media

- **Support for the OPN:**
  - Collaboration with the GÉANT2 End-to-End Coordination Unit;
  - Starts January 2007;
  - Quite a lot of interactions to better understand how the whole thing works;
  - The ENOC did write a paper explaining what is the foreseen behaviour (https://edms.cern.ch/document/815350/);
  - Still some outstanding issues:
    - Some formalization still needed **[ongoing]**;
    - Reliability of the email exchange (asynchronous by essence);
    - Duplicate information without reference to detect the duplication (the ENOC is still receiving GÉANT2 tickets impacting the OPN without an E2ECU notice);
    - How to split NRENs' ticket impacting the OPN and other links?

Enabling Grids for E-sciencE

- **Monitoring the IP service provided by the OPN:**
  - Status is in a better shape than at the previous meeting (2 more T1s monitored);
  - Changes history is stored and alarms are sent to the ENOC upon changes;
  - Added some traffic monitoring figures (taken from CERN);
  - https://ccenoc.in2p3.fr/ASPDrawer/ (ask for access!)

- **BGP monitoring issues:**
  - Still some missing T1s;
  - Most are currently ready to join but we need to solve some technical issues;
  - **Behaviour in case of outage:** will we still be able to poll the BGP peers?

- **Should be part of the OPN tests in the coming weeks/months.**

Enabling Grids for E-sciencE
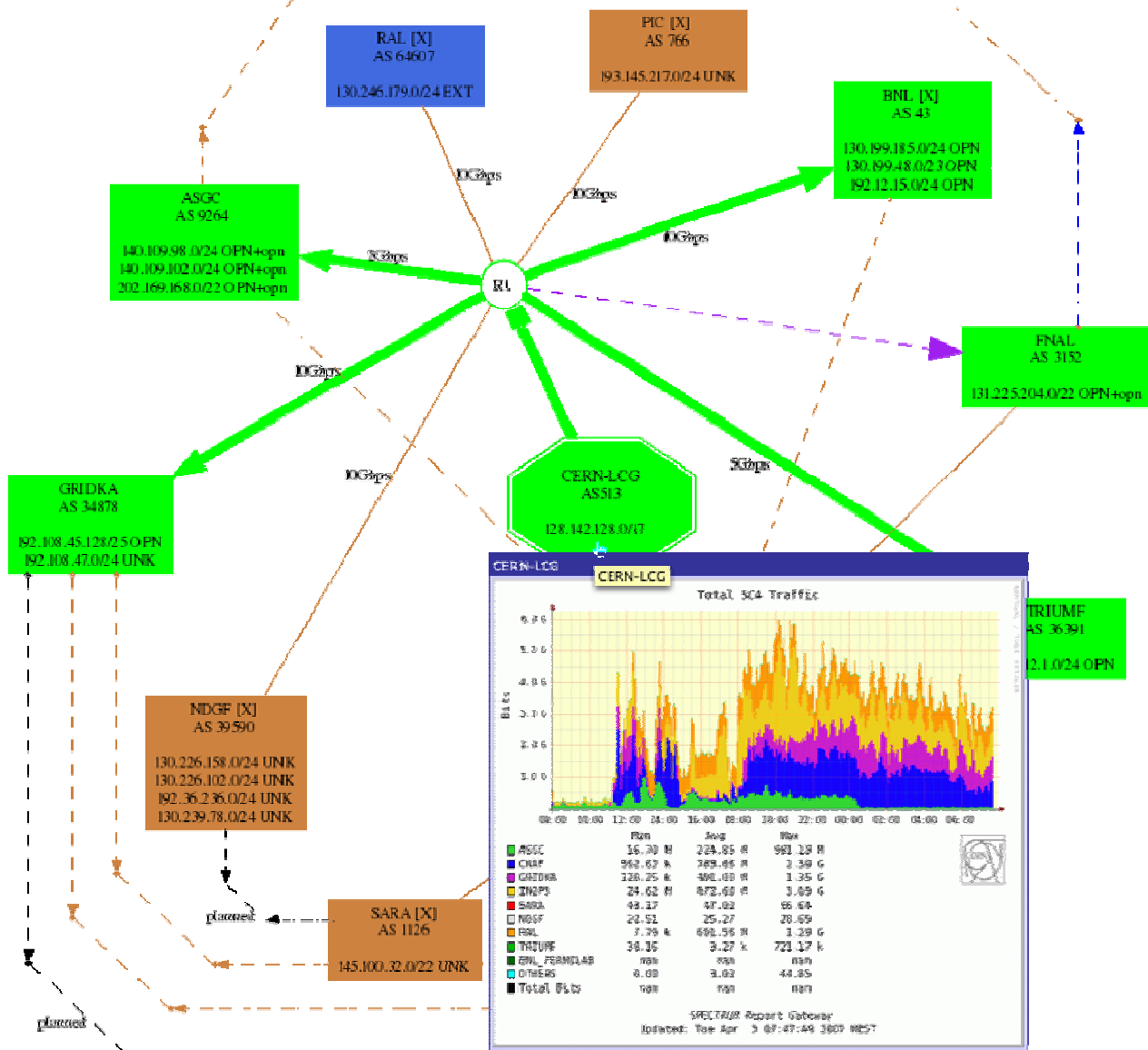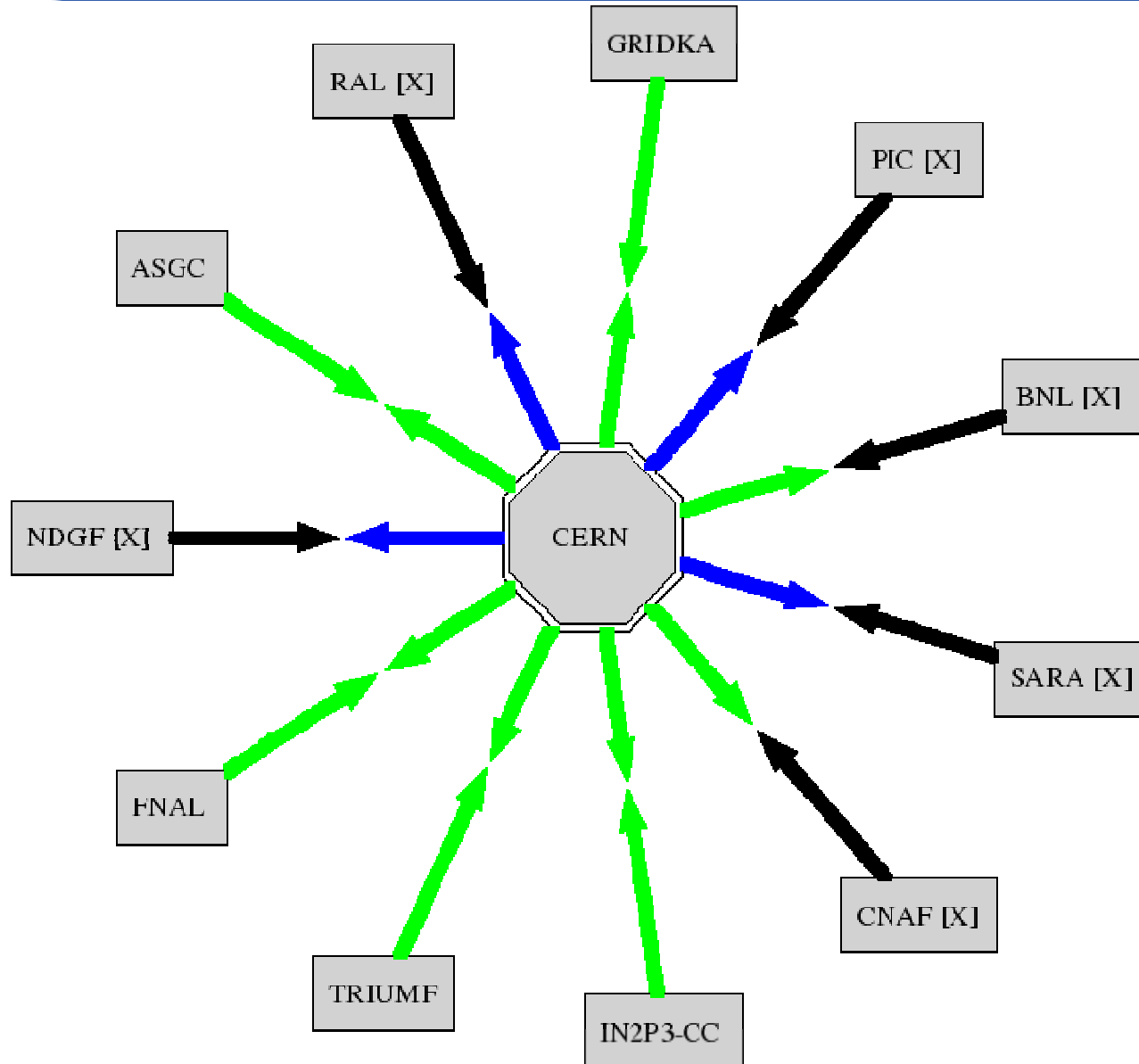
LHC-OPN T0/T1	Polling Status	Reason
ASGC	OK	
BNL	KO	In progress. Agreement on the access, but technical details to be sorted out
CERN R1	OK	
CERN R2	OK	
CNAF	KO	Technical issue with Juniper virtual routing SNMP Access, in progress
FNAL	OK	
GRIDKA	OK	
IN2P3	OK	
NDGF	KO	No response
PIC	KO	Link not yet deployed
RAL	KO	No response
SARA	KO	Routing policy currently unknown + security concerns
TRIUMF	OK	

Enabling Grids for E-sciencE

- **Formalization of the procedures:**
  - Waiting for inputs from Dante;
  - Iteration based on the daily experience and feedbacks as new issues pop up;
  - Do we decide on thresholds to forward the information/create a ticket/…?

- **Monitoring tools for the OPN:**
  - Usage, flows, etc.
  - What is the schedule?

- **OPN test plan:**
  - Participation to the resiliency tests of the OPN;
  - Learn the OPN behaviour (backup strategy) in case of outage;
  - Test the reliability of the BGP monitoring tool.

Questions?