



Enabling Grids for E-scienceE

End to end SLA establishment

TNLC Meeting — Pisa, 2005-10-26

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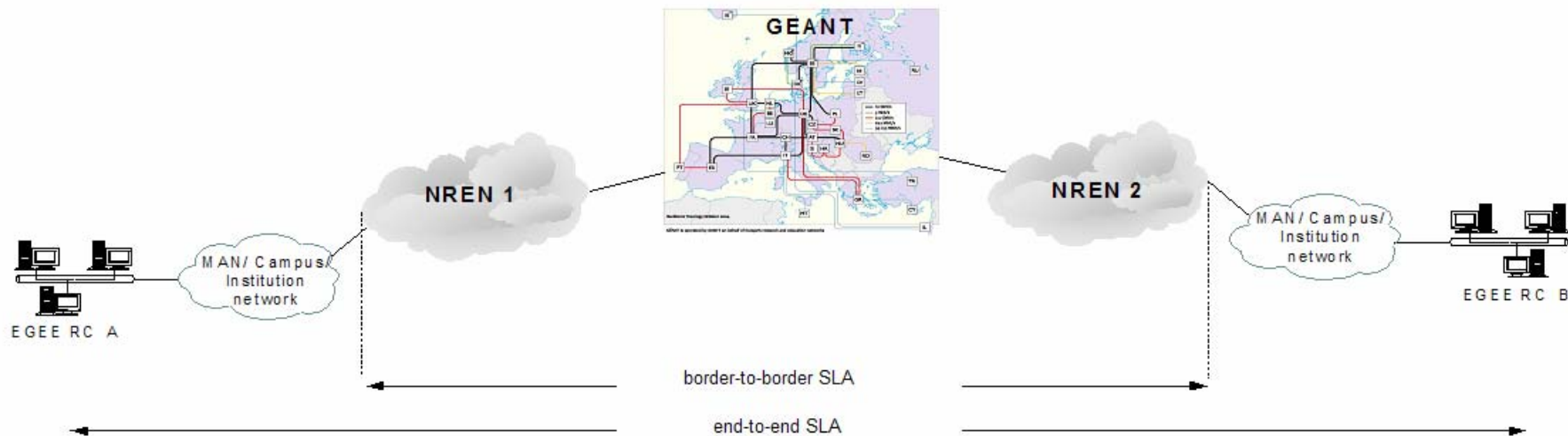


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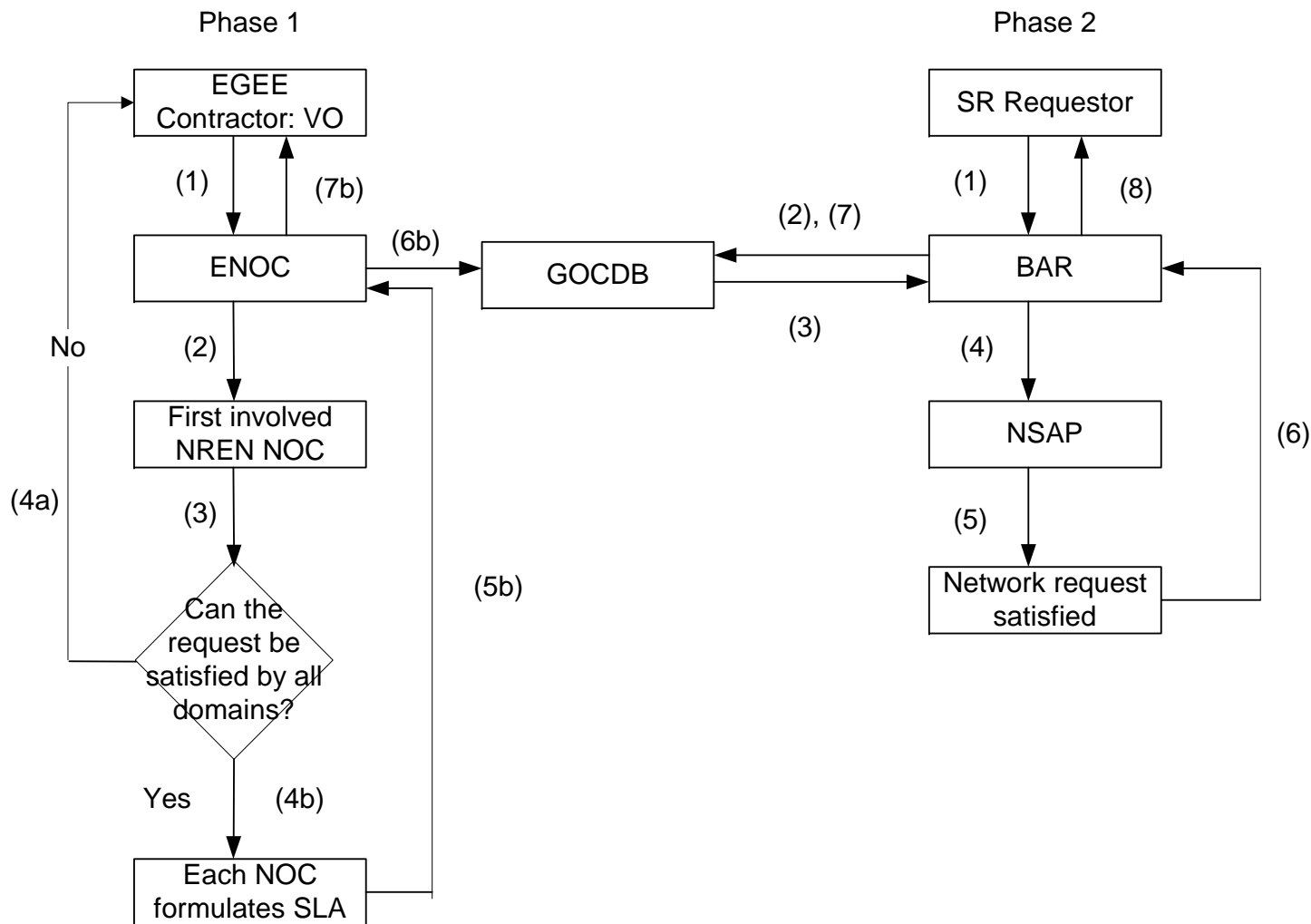


- **At any point of time there can be no more than one bandwidth pipe (SR) between any two edges of two NRENs.**
- **For each SR a border-to-border SLA is established.**
- **SRs are long-term reservations and their duration is countered in months.**
- **For each SA an end-to-end SLA is established.**
- **SAs are short-lived connections that occur on a daily basis. Their duration is countered in hours.**
- **Each SLA corresponds to a uni-directional connection.**

- **End-to-end SLA establishment process must be synchronized with the two stage provisioning process.**
 - After stage 1 (Long Term Premium IP Reservation) a border-to-border SLA will have been established and stored at the GOCDDB.
 - After stage 2 (Individual Flow Requests) an e2e SLA will have been established and stored at the GOCDDB.



- **Contains 2 phases:**
 - Border-to-border SLA establishment
 - Bandwidth pipe establishment
- **EGEE contractor is assumed to be able to predict the long-term bandwidth needs with other VOs.**



- In order to produce the e2e SLA, separate SLAs for the source and destination end sites must be established.
- In order to automate the procedure and eliminate lead times, SLAs for end sites are implicitly produced.

