Requirements of Abstract Alarm Report in ACTN architecture

draft-xu-teas-actn-abstract-alarm-report-00.txt

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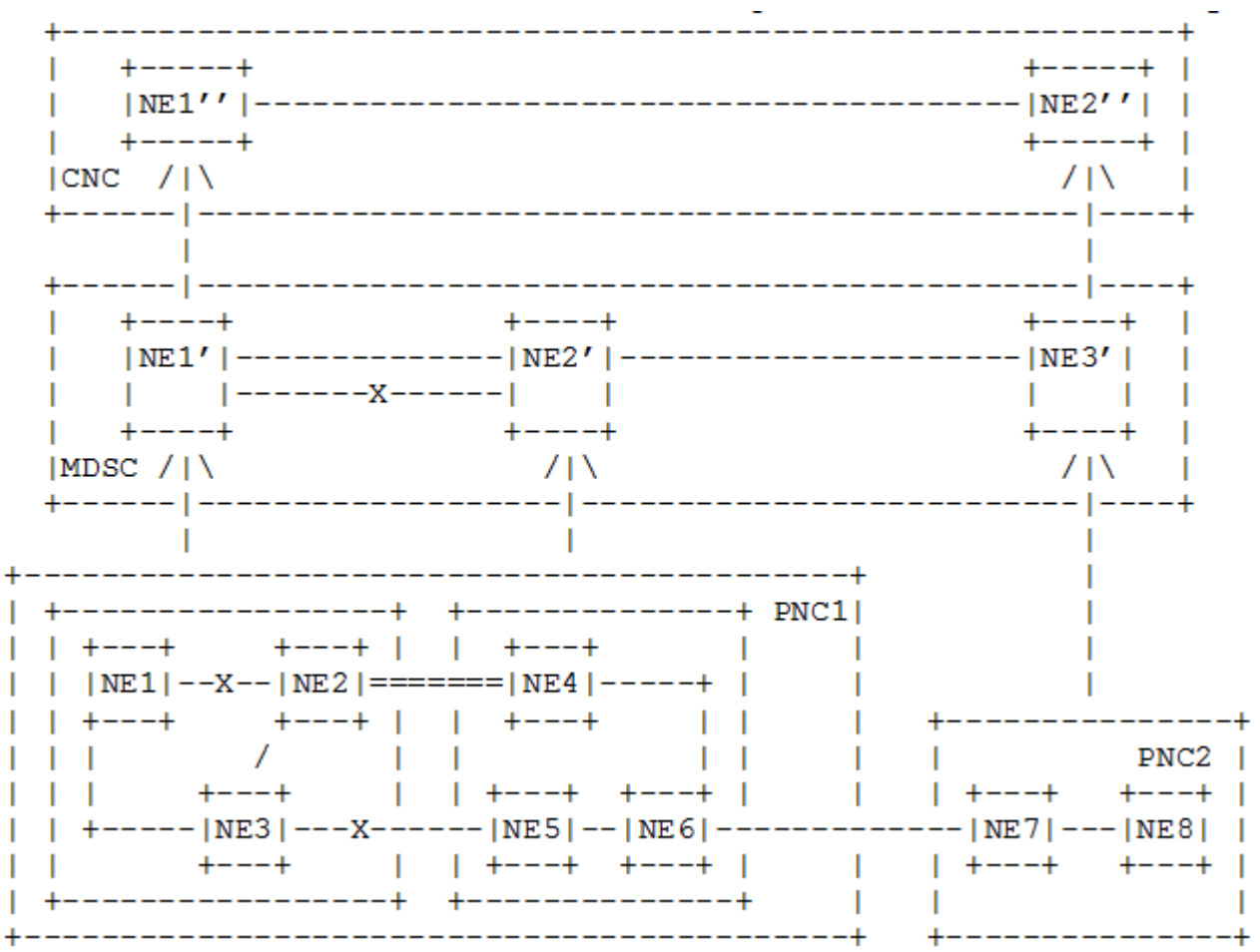
Introduction

- This draft provides a set of requirements f or alarm abstraction and report in ACTN ar chitecture.
- Section 2 provides the requirements for al arm report in ACTN architecture. Section 3 provides some solutions for alarm abstract ion of transport networks.

Abstraction Policy in ACTN



Requirements for abstract alarm report

- PNC is able to collect all of the underlying network resou rce and alarm information.
- Abstract alarm report
  - When an error occurs inside the abstract node, it should repor t the network resource status change;
  - When an error occurs inside the abstract link, PNC should rep ort the link bandwidth status change to MDSC;
  - When an error occurs on the abstract link(link between NE3 a nd NE5 failure), PNC should report the alarm information to M DSC;
- PNC or MDSC should report the impact of the LSP and alarm information

How to report the alarm

- Status changes report inner abstract node
- Status changes report inner abstract link
- Alarm report for abstract node and link
- Abstract alarm report for connection

Next step

- Discuss and describe the alarm abstraction rules.
- Describe the information model requirements to support alarm abstraction.
- Welcome comments