

LHCOPN operations Presentation and training CNAF's session

4- Use cases and best practices

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- 80% of reported events occurring at L2
 - > 70k km of fibre used
- **Most common events**
 - Fibre cut & maintenance from providers
 - Prefixes update, router reboot, new link

1. Fibre cut on CERN-CNAF-LHCOPN-001
2. Unexpected power cut on NDGF
3. RENATER maintenance on CERN-IN2P3-LHCOPN-001
4. New link CNAF-IN2P3-LHCOPN-001
5. Asymmetric routing between CH-CERN and NDGF
6. New p2p address for GRIDKA-IN2P3-LHCOPN-001
7. Scheduled reboot of IT-INFN-CNAF's router
8. Backup test of CERN-NDGF-LHCOPN-001
9. Router IOS upgrade at FR-CCIN2P3
10. perfSONAR monitoring problem at IT-INFN-CNAF
11. NORDUNET's maintenance on NDGF-SARA-LHCOPN-001
12. Unexpected downtime of FR-CCIN2P3's router
13. GARR scheduled work on CNAF-GRIDKA-LHCOPN-001
14. Change of network provider for CERN-NDGF-LHCOPN-001
15. BGP routing policy changed on FR-CCIN2P3
16. IT-INFN-CNAF scheduled power cut
17. Fibre cut on CERN-NDGF-LHCOPN-001
18. Outage on GRIDKA-IN2P3-LHCOPN-001
19. Key BGP route dampened somewhere - detected by IT-INFN-CNAF