International Telecommunication Union



Service Management Requirements for TDR

Hal Folts, Sr Systems Engineer National Communications System

Workshop on Telecommunications for Disaster Relief, 17-19 February 2003



Disaster Strikes





...and other major disasters



- Natural and Man-made
- Unexpectedly or slowly developing
 Initial response by local emergency services
 Followed by deployed emergency services



Telecom Capabilities

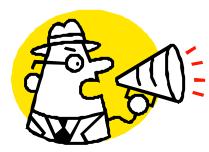
Public services
>Wire phones
>Mobile phones
>Internet

- Land Mobile Radio
- Trunked Radio Systems TETRA
- Satellite links
- Mobile broadband systems MESA
- Amateur Radio`



ITU-T Study Group 4

Telecommunication Management Including Telecommunications Management Networks (TMN)



Draft (stable) Recommendation M.3350 (M.ets)

Requirements for ETS Management Service



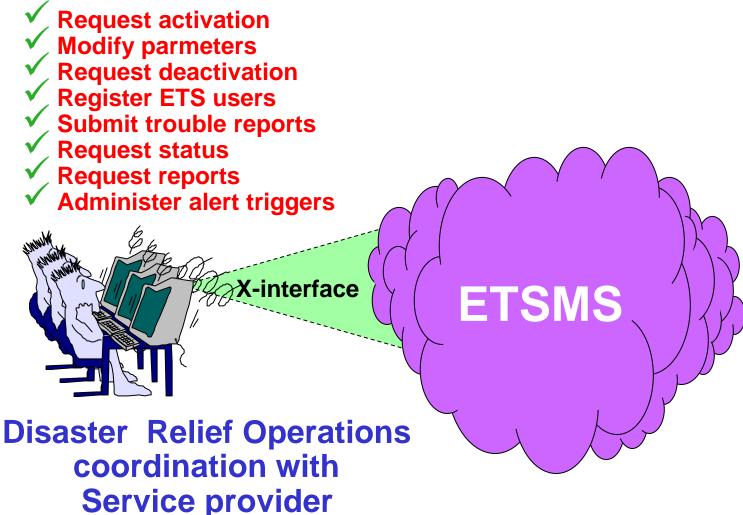
ETS Management Service

Enables on-line interchange of critical telecom management information between disaster relief operations and telecom service provider across the **TMN X-Interface in real-time to** support disaster relief operations



SC/SP Ops Interaction

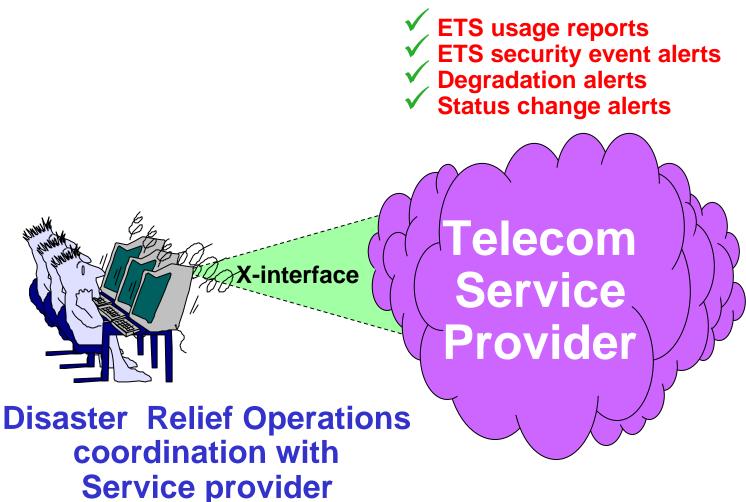
Disaster Relief Operations





SC/SP Ops Interaction

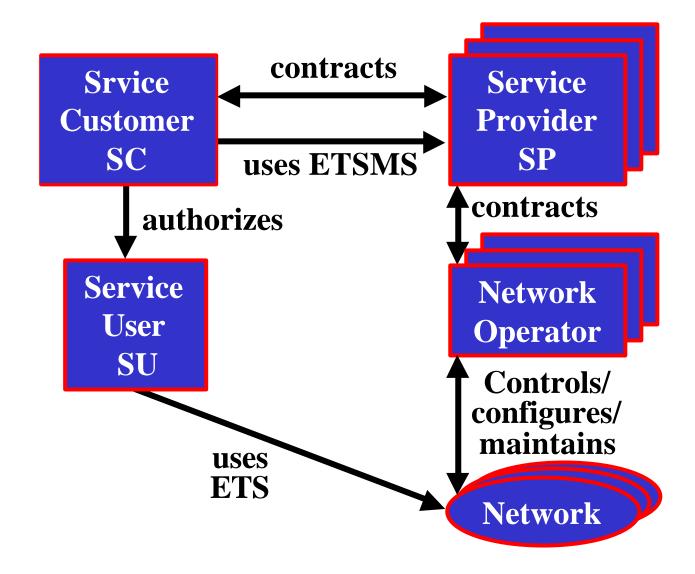
ETSMS



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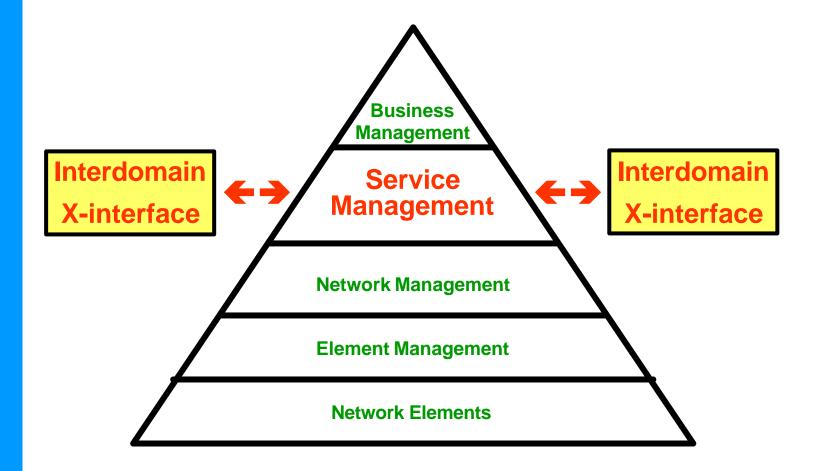


SC/SP Relationships



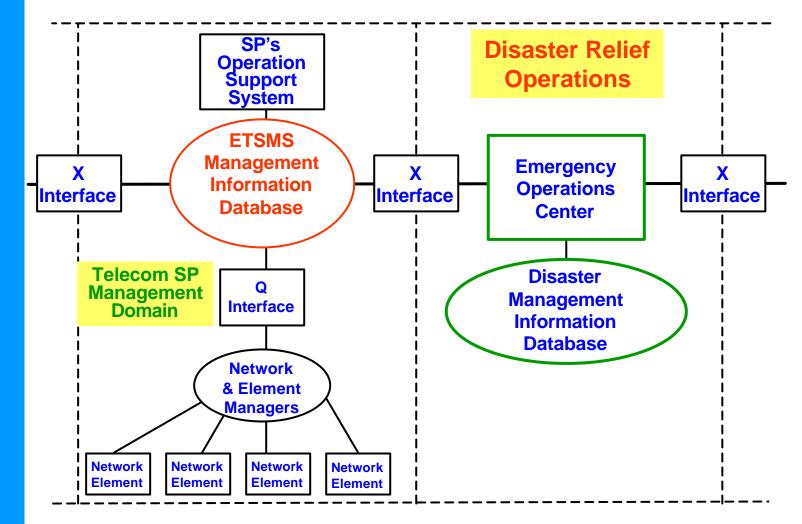


TMN Management Levels



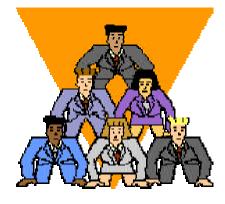


Telecom Mgt Net Architecture









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