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# Outline of SG 4 Session

- o SG 4 overview: Dave Sidor
- o WP 1/4 overview: Leen Mak
- o WP 2/4 overview: Geoff Caryer
- o WP 3/4 overview: Nobuo Fujii
- o Discussion



**International Telecommunication Union**

# **ITU-T SG 4 Overview**

## **Telecommunication Management**

Dave Sidor  
Chairman, ITU-T SG 4  
Nortel Networks

ITU-T Workshop "Telecommunication Management and Operations Support System"  
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## SG 4 Scope

- Responsible for studies related to
  - the management of telecommunication services, networks, and equipment, including support for next generation networks (NGN) and the application and evolution of the telecommunication management network (TMN) framework. Additionally, SG 4 is responsible for other telecommunication management studies relating to designations, transport-related operations procedures, and test and measurement techniques and instrumentation.
- Lead Study Group on Telecommunication Management



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# SG 4 Organization

## Working Parties

- WP 1/4: Designations, performance, and test equipment
  - Chaired by Leen Mak (Lucent/Germany)
- WP 2/4: Telecommunication management capabilities
  - Chaired by Geoff Caryer (BT/UK)
- WP 3/4: Telecommunication management information models and protocols
  - Chaired by Nobuo Fujii (NTT/Japan)



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# Cross SG 4 Positions

- Vice Chairmen:
  - Baker Baker (Syria)
  - Dmitri Cherkesov (Russian Federation)
  - Nobuo Fujii (NTT/Japan)
  - Qi Feng (China)
- Q 1/4 (Terminology): Qi Feng (China)
- EDH: Dmitri Cherkesov (Russian Federation)
- Implementors' Guides: Knut Johannessen (Telenor/Norway)



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## Cross SG 4 Positions (cont)

- Promotion: Open
- Interaction with major national and regional SDOs
  - ETSI: Leen Mak
  - ATIS: Open
  - TTC: Open

# 2006 SG 4 Priorities

- Management principles and architecture
  - Application of M.3060 Principles of NGN Management within SG 4
- Management infrastructure
  - Extension of working methods for specifying requirements and models
  - Protocols: application of XML
  - Security: use of M.3016 by SDOs and forums
  - Extension of CORBA-based framework conformance to support Service-Oriented Architectures (MTNMFG)



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## 2006 SG 4 Priorities (cont)

- NGN Management
  - Sponsorship of NGN Management Focus Group (NGNMFG)
  - Support of NGN management harmonization activities
- Management information modelling
  - Application of CORBA-based management framework
  - Protocol-neutral common management models
  - IEEE 802.3-based ethernet transport network management
  - Introduction of TMF Multi-Technology Network Management (MTNM)



## 2006 SG 4 Priorities (cont)

- Support for inter-operator interfaces
  - Global Telecommunication Data Dictionary
  - Management of emergency telecommunication service
  - QoS and SLA management
- Performance objectives and procedures, test equipment, and inter-operator designations
  - extension of Recommendation M.1401
- Close cooperation with outside SDOs, forums, and consortia