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ISO/IEC JTC 1/SC 6

Now and Beyond

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Scope: Terms of Reference

- Telecommunications

  - Information exchange between open systems

- >> **Network**

  - Protocols and Service Definitions

- From Physical(L1) to Application(L7)

  - Merger of previous SC6 and SC21

- **Challenges**

  - Some SCs taking on work items on Network

Markets

- 8802 Standards

  - IEEE 802 standards; 802.3, 802.11

- NFC(Near Field Communication)

  - Mobile payments and more

- PLC(Power-line Communication)

- PISN in IP environments

- RMCP: Overlay multicast

  - NGN, IPTV

- ECTP: e2e Multicast Transport Protocol

Markets -cont'd

- Directory Services and Protocols

  - Extension for Privilege Management Infrastructure

- Public key certificates

- ASN.1

  - Vehicular communications, On-line game

  - Int'l Object Identifiers; registration & resolving

- Common Alerting Protocol – ASN.1 encoding

  - In disasters as Tsunami

  - Much lighter than original XML encoding

New Initiative: Sensor Network

- In close liaison with ITU-T since early 2007

- NP on Sensor Network Reference Architecture

- NP on Security Framework for USN

- Active participation in JTC1 SGSN

- Ready to take on jobs assigned by SGSN from Physical to Application Layer Services & Protocols

New Initiative: Future Network

- ## NP on TR

  - Future Network – Problem Statement and Requirements

- ## In liaison with ITU-T in its new study period

Other New Items

- PicoCast
    - Wireless PHY and Synchronized MAC for short-range low-rate ISM band applications
- 60GHz
    - PHY, MAC, etc.
    - Fast track by Ecma; yet to be approved

Thank you.