

Standardization Strategies on Future Internet/Network

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Future Internet vs. Future Network

- ❑ **Are there any differences between Future Internet and Future Network ?**
 - Same in a general sense
 - “Future Network” Terminology is introduced for Standardization Activities in ISO/IEC JTC1/SC6
 - JTC1/SC6: Telecommunications and Information Exchange Between Systems

- ❑ **The Future of Network Environment may be changed in many aspects, compared to current IP-based Network**

- ❑ **Not Exclude non-IP based Network Infrastructure for the Future Network**

Why Future Network ?

- ❑ **Current networking protocols are heavily dependent on the IP technology**
- ❑ **Current Internet Technology suffers from its Fundamental limitations in meeting the Diverse and Challenging Requirements of various Emerging Applications**
- ❑ **Explosion of Application Areas including Disruptive technologies like Sensor Networks and Mission-Critical Tasks like Disaster Recovery**
 - demands a more Rigid, Reliable, and Robust Networking Technology
- ❑ **A network beyond the Current Internet, i.e., “**Future Network**”, is a timely topic of interest that needs attention in the Standardization Arena**

Standardization Initiative of JTC1/SC6

□ Initial Consideration of Standardization on Future Network Issues

- Korea proposed new possible future work items to the HoD/C during the ISO/IEC JTC1/SC6 meeting in April 2007 (Xian, China)
- SC6 Plenary adopted a Resolution to hold an "Ad Hoc Meeting on Standardization of Future Networks"

□ Ad Hoc Meeting on Standardization of Future Networks

- Date: 5-6 September 2007
- Convened by ISO/IEC JTC 1/SC 6
- Hosted by AFNOR
- Venue: AFNOR, Paris, France (<http://www.afnor.org/portail.asp>)
- Contact: Ms. Jooran Lee, ISO/IEC JTC 1/SC 6 Secretariat (jooran@kisi.or.kr)

Objective of the Ad Hoc Meeting

- ❑ **To get together Technical and Standardization Experts from all interested Standardization Bodies, Industries, and Academia around the world**
- ❑ **To present initial ideas, both Technical and Procedural, on Future Networks Standardizations**
- ❑ **To discuss on the most Effective and Productive way of pursuing the Standardization Process in the field of Future Networks**
- ❑ **Registration and Proposal for Presentation shall be sent to the SC6 Secretariat by 15 July 2007**

Draft Agenda for the Ad Hoc Meeting

□ **05 September 2007**

- Opening Session
 - Opening Address and Keynote Speech
- Session A: Future Network Research Activities
 - North America, Europe, Asia
- Session B: Future Network Technologies (I)
 - Presentation by Experts
- Session C: Future Network Technologies (II)

□ **06 September 2007**

- Session D: Standardization Activities
 - Presentation by SDOs
- Session E: Future Network Technologies (III)
- Pannel Discussions: Collaboration on Future Network
- Summary and Conclusion

Future Network Standardization Strategy

- ❑ **Initial Consideration of Standardization Issues from the early stage for the development of Interoperable Future Internet/Network in global**

- ❑ **Close Cooperation of Standardization Activities with R&D Activities including relevant Academic Activities**

- ❑ **Collaboration and Harmonization among Standards Development Organizations**
 - There are Good Experiences of Successful Cooperative Standardization Works between ISO/IEC JTC1/SC6 and ITU-T SG 17 on OSI and other Issues
 - Collaboration Again for the Future Network among SDOs

Question & Discussion !!

