

# **Regional Development Forum 2008**

**“Bridging the Standardization Gap in Developing Countries”  
for the Asia-Pacific Region**

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## **ITU-T Structure: Responding to Industry Directions**

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# Outline

- Key industry directions
- Translation to a work structure
- Moving to this industry-directions-driven new structure

# Looking forward: a dynamic industry

- Telecommunications/ICT is a dynamic field subject to significant regulatory and technological changes
- Current industry directions point to three closely related megatrends
  - ➔ Hyperconnectivity, underpinned by:
  - ➔ Communication-enabled applications
  - ➔ True broadband

# Key industry directions

## ■ Hyper-Connectivity

- ➔ Evolve from being fully connected (everybody is on the network) to being hyperconnected (the range of devices and entities on the network far outpaces the number of people consuming the services offered by those devices).

# Key industry directions

## ■ **Communications-Enabled Applications**

- Reinvention of services and applications to support new levels of and an intuitive interaction experience through advanced technology frameworks such as IMS and Services Oriented Architecture (SOA).

# Key industry directions

## ■ True Broadband

- Seamless communication: users simply communicate anywhere, anytime, from any device, whether wired or wireless. Most importantly, the broadband experience becomes so economical that the range of uses exceeds any experience of the past.

# Timely standards require an appropriate work structure

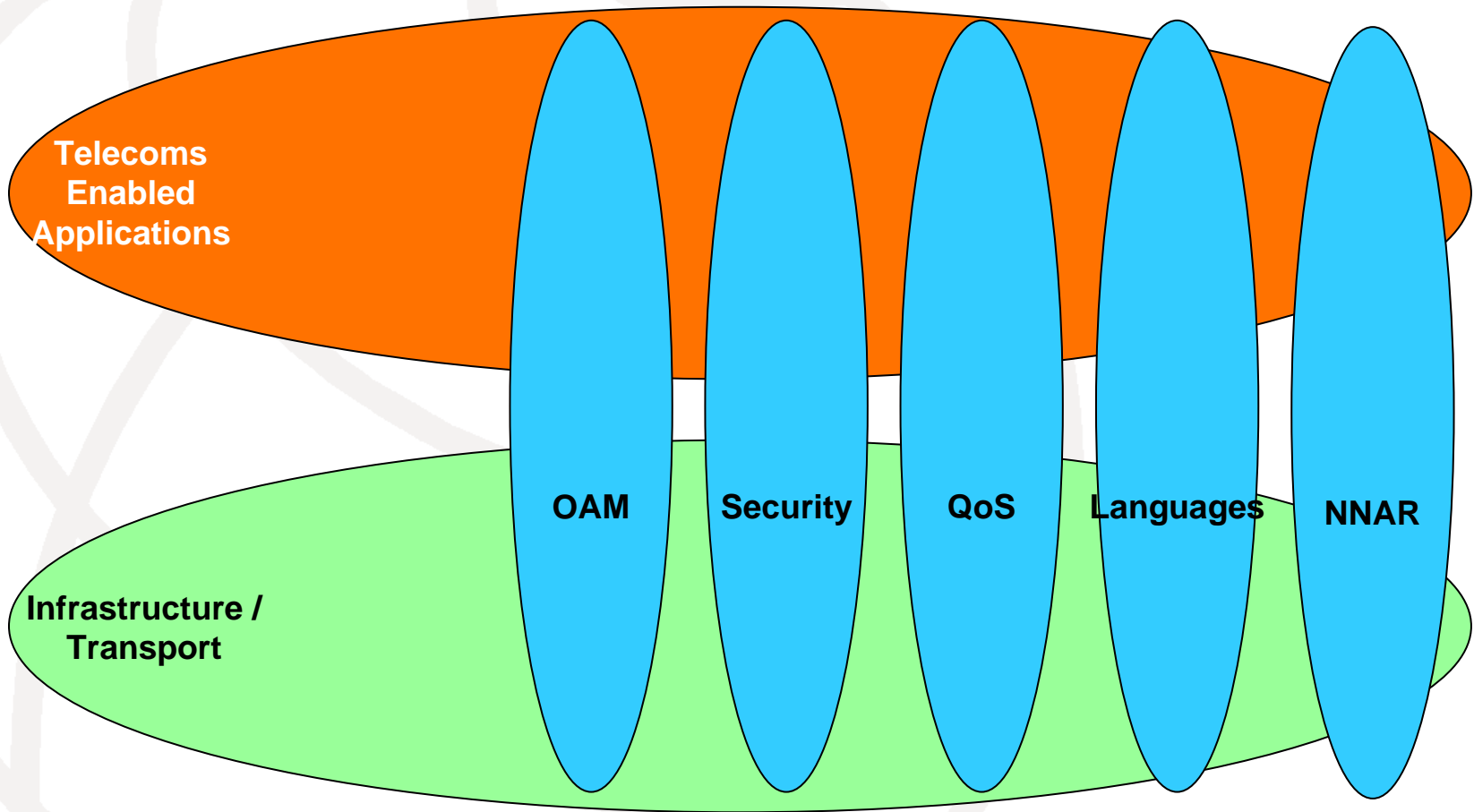
- Industry directions are pointing to two “super” work groupings with sub-groups as needed:
  - Telecommunications Enabled Applications
  - Infrastructure / Transport

# Timely standards require an appropriate work structure

- We will also need a few specialized work groups for “cut across” topics such as OAM, Security, QoS, etc.
- Broadband radio access addressed in ITU-R
  - ➔ Broadband access to the network, whether radio or wired, needs to provide consistent capabilities to enable a truly seamless user experience



# Future: what the work structure should look like

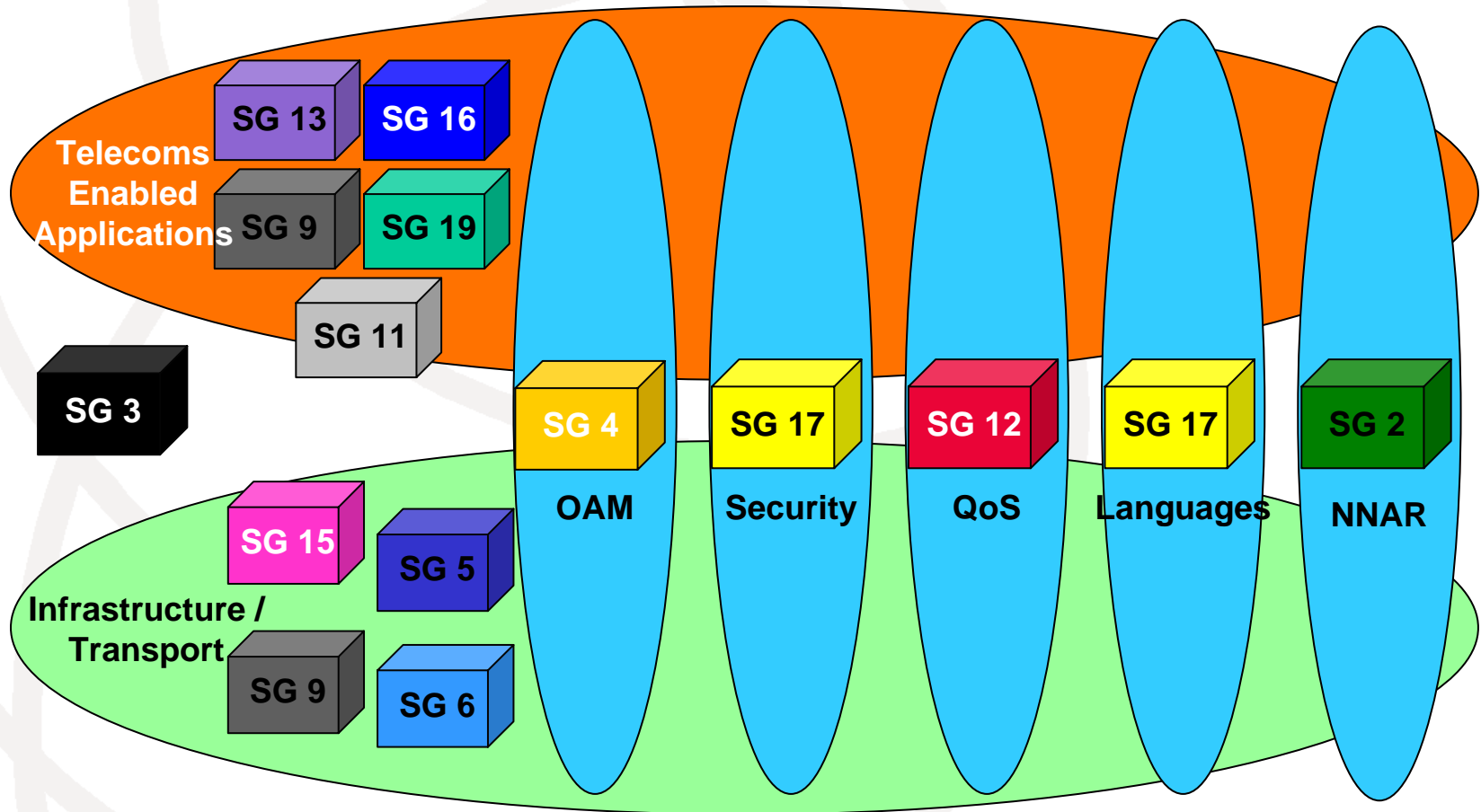


# Mapping SGs to this work structure

- Mapping must necessarily be approximate since current SG structure, mandates and industry directions are not fully aligned
  - Some current SGs have mandates that include work in both “super” groupings
  - Some “cut-across” areas may be parts of Study Groups (i.e., Working Parties; not necessarily stand alone SGs)

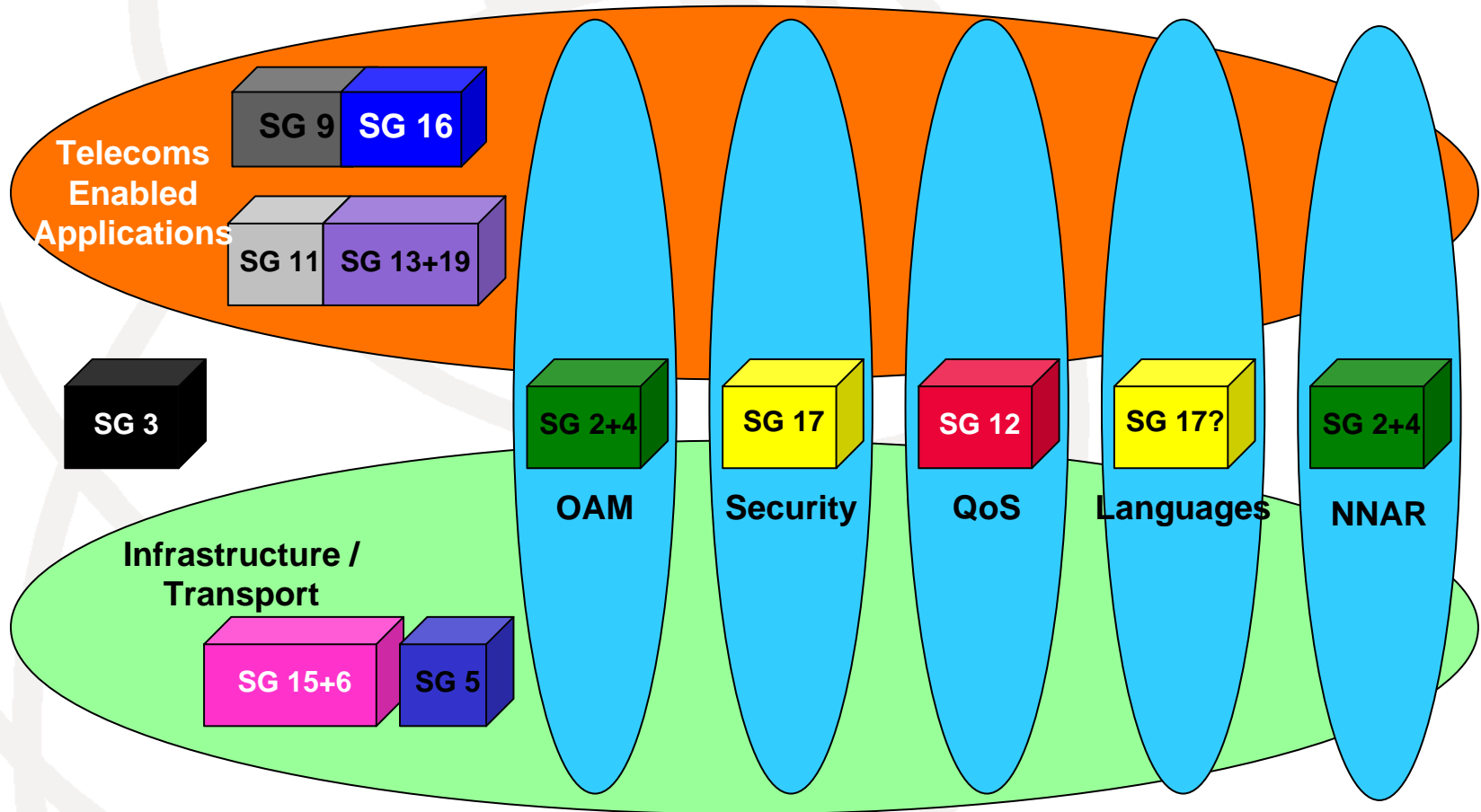
# Present: approximate mapping of current Study Groups

- N.B: This is an approximation based on and current SG mandates.



# Future: approximate mapping of anticipated future Study Groups

- N.B: This is an approximation based on industry directions, current discussions and anticipated SG mandates.



# WTSA-2008



- **A significant opportunity** to revitalize ITU-T through an appropriate SG structure
  - Anticipate some discomfort with too many changes all at once
  - Changes discussed in TSAG are moving in the right direction, but more is needed
  - WTSA is an opportunity to set the stage for ongoing discussion and decisions, during the study period, on organization and tuning of the technical work structure in response to current and emerging needs, including more dynamic and less “quantum-level” (once per study period) work structure adjustments

# What about 4 and 8 years from now?

- We'll be preparing for WTSA-12 and -16
- A lot of water will have gone under the bridge: global economic changes, unexpected developments, enhanced and new technologies, etc.
- ITU is an enduring organization\*
- ITU-T's ongoing long term success will correlate strongly with its **continuing responsiveness** to the evolving international standardization environment

\* <http://www.boozallen.com/media/file/143411.pdf>

# What about 4 and 8 years from now?

## ■ Some quotations:



- ➔ "We always over-estimate the change that will occur in the next two years, and underestimate the change that will occur in the next ten years." \*



- ➔ "When you get to a fork in the road, take it!" \*\*



- ➔ "Prediction is very difficult, especially about the future." \*\*\*

\* **Bill Gates, Microsoft Corporation**  
\*\* **Yogi Berra, American baseball player**  
\*\*\* **Niels Bohr, Danish Physicist**

Photos:

Bill Gates: <http://www.microsoft.com/presspass/exec/billg/default.aspx>

Yogi Berra: [www.yogiberra.com](http://www.yogiberra.com)

Niels Bohr: [http://nobelprize.org/nobel\\_prizes/physics/laureates/1922/bohr-bio.html](http://nobelprize.org/nobel_prizes/physics/laureates/1922/bohr-bio.html)



# Thank you for your attention!

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