

Joint ITU-GISFI-DS-CTIF Standards Education Workshop

(Aalborg, Denmark, 8-9 October 2012)

Standardization Skills and Training

Yoichi MAEDA,
CEO & S.V.P of TTC, Japan
ITU-T SG15 Chairman
Yoichi.maeda@ttc.or.jp

Aalborg, Denmark, 8-9 October 2012



Contents

- Standardization activities in TTC
 - Process of standards development
 - Key elements in standards activities
 - Technical expertise
 - IPR
 - International Collaboration, etc.
- Curricula for standards skill-up
 - Requirements for the skills
 - Skills for the standards experts
- Case study on skill-up training in TTC
 - ITU-T Tutorial on “High-Level Seminar & Workshop on International Meetings and Negotiation”



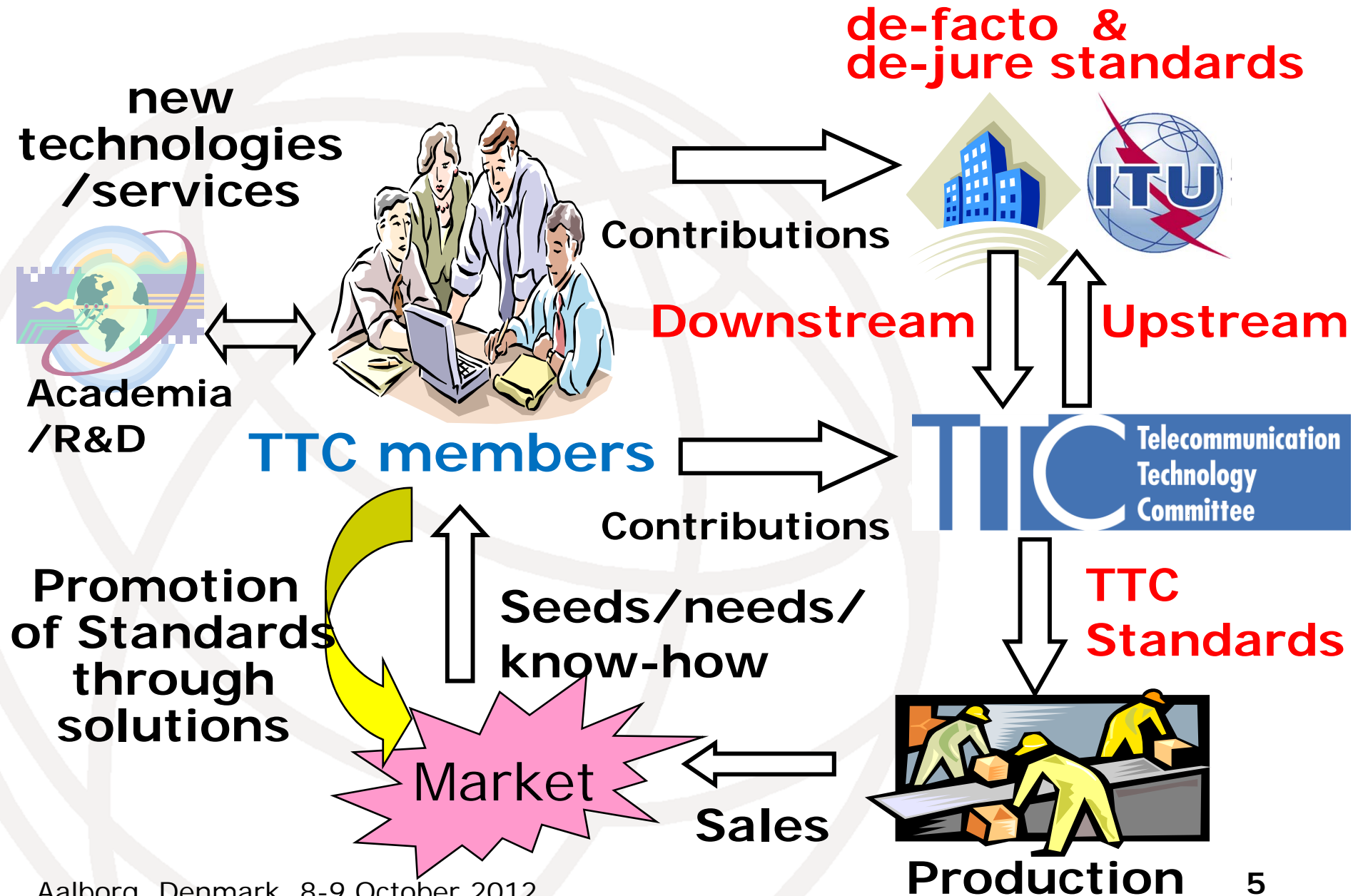
Standardization activities in TTC (For information)

Aalborg, Denmark, 8-9 October 2012

What is TTC?

- **TTC is :**
a private and non-profit organization accredited by the Japanese Administration as an SDO (standards development organization) in Japan since 1985.
- **Mission :**
to develop and disseminate the TTC standards and their applications/ solutions on ICTs (information & communication technologies) applicable both in Japan and in other areas, in particular in the Asia-Pacific region.

Driving-forces of TTC Standards



Standardization, IPR and Business

Standardization

IPR



Business

Big success

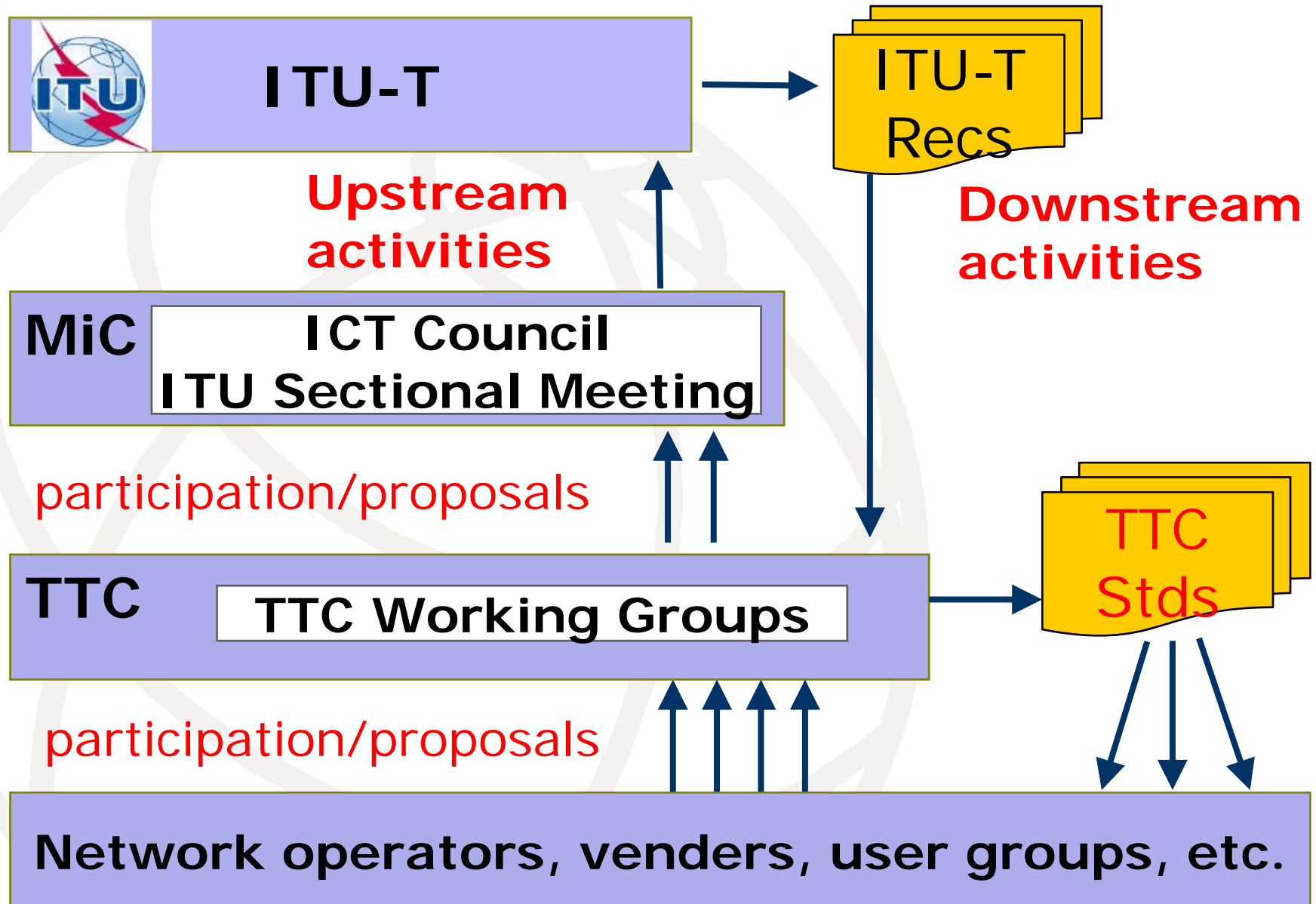
IPR: Intellectual Property Right



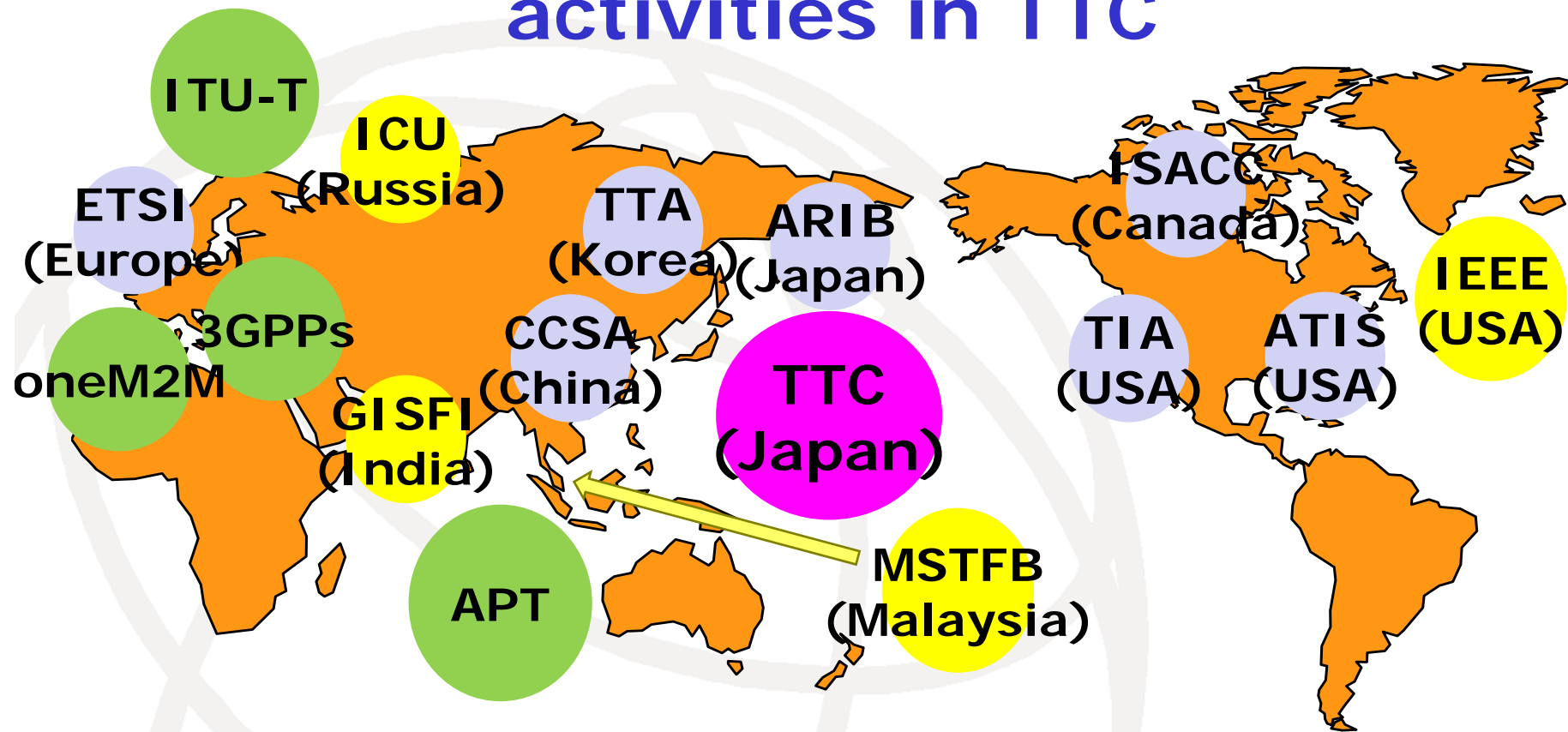
Hot technical topics in TTC 2012

- ❑ **IoT (Internet of Things)**
- ❑ **M2M (Machine to Machine)**
- ❑ **Smart Grid**
- ❑ **ITS (Intelligent Transport Systems)/ Smart Car**
- ❑ **E-Health**
- ❑ **Cloud Computing**
- ❑ **ICT and Climate Change**
- ❑ **Disaster relief, network resilience and recovery**
- ❑ **Future networks**
- ❑ **Inter operability and conformance testing, etc.**

How to develop TTC Standards



Inter/intra-regional collaboration activities in TTC



Forms of collaboration	Examples
Membership	APT/ASTAP, CJK, GSC, 3GPPs, oneM2M
MoU / LoI	ITU, ETSI, IEEE, MSTFB, ICU, GISFI, etc



Curricula for standards skill-up

Aalborg, Denmark, 8-9 October 2012

Requirements for Standards Skills

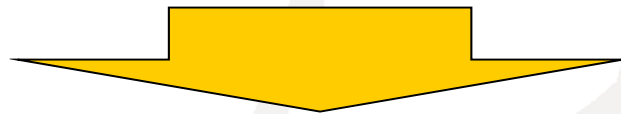


Skills for standardization experts

- ◆ **Technical expertise**
- ◆ **English (listening, reading, writing, e-mail)**
- ◆ **Communication & negotiation**
- ◆ **Presentation**
- ◆ **Meeting rules and methods**
- ◆ **Self-management & calmness**
- ◆ **Trust & honesty**
- ◆ **Sociability & cooperation**
- ◆ **Curiosity & positiveness**
- ◆ **Healthiness & physical strength**
- ◆ **Adaptability to foreign living**
- ◆ **Jet lag tolerance**

Curricula for standards skill-up

- ◆ Tutorial and training seminars
 - ◆ Writing contributions & reports
 - ◆ E-mail communication
 - ◆ Rules of meeting procedure
 - ◆ Meeting management and Chairing
 - ◆ Negotiation
 - ◆ Presentation
- ◆ On-the-Job Training; Practice
- ◆ Overseas training
- ◆ Use of Ex-members in standardization



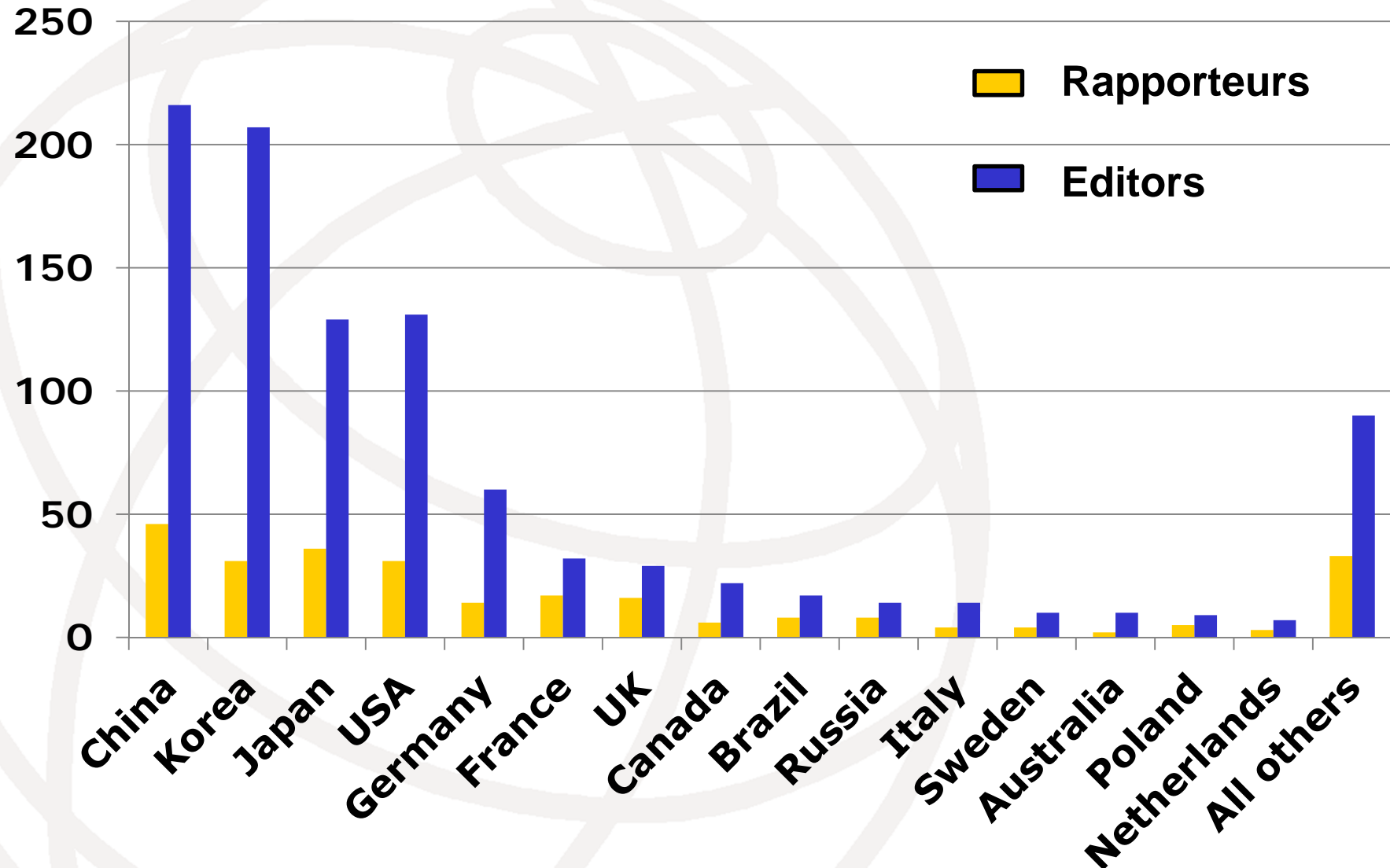
Standards curricula should be developed based on the target skill levels



Case study on skill-up training in TTC

Aalborg, Denmark, 8-9 October 2012

Numbers of Rapporteurs and Editors per country (As of Dec 2011, in ITU-T)



ITU-T Tutorial hosted by ITU-AJ/TTC

“High-Level Seminar & Workshop on International Meetings and Negotiation”

- Date: 28-29 August 2012
- Venue: TTC, Tokyo Japan
- Teacher: Gary Fishman (ex-TSAG Chairman)
- Target skill level: Rapporteurs and Editors
- Participants: 50
- Overall rating: Very useful + Useful= 100%



Aalborg, Denmark, 8-9 October 2012

Contents of ITU-T Tutorial by ITU-AJ/TTC

Role, authority and responsibility of Rapporteurs and Editors

Rights and Obligations of Member States, Sector Members, Associates, Academia participants, invited experts

Rules of procedure for Rapporteurs

IPR: Patents, Software Copyrights, Marks

Decision-making and Approval Procedures

Crafting Consensus

Overview of relevant WTSA Resolutions and A-Series Recs.

Meeting Inputs: Contributions, TDs, Liaisons

Organizing meetings

Role of the Secretariat

Outputs: Reports, Recommendations, Handbooks, Liaisons

Writing Reports

Drafting Recommendations

Editing and revising draft documents

Interactive Discussion Session

Conclusions and Recommendations

- Standards education should be developed based on the practical standards activities in SDOs.
- Identification of the required standards skills is the key of the curricula designing.
- Standards curricula should be developed based on the target skill levels.
- Producing standards-minded students will contribute to the future global standardization.



Thank you very much
for your attention !

If you have any comments or
questions,
please contact
yoichi.maeda@ttc.or.jp