

Joint Japan-India Workshop



# TTC Standardization Activity Report

September 23, 2013

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Chairman, ITU-T Review Committee

# TTC Business Strategy in 2013

- ❑ Expansion of business in order to promote inter-industry innovation and develop new strategies of ICTs.
- ❑ Promotion of strategic standardization activities through technical working groups and advisory groups in TTC
- ❑ Global collaboration with the related standardization organizations including CJK, GSC, APT and ITU-T
- ❑ Promotion of TTC standards and publicity activities
- ❑ Focus on the hot standardization topics

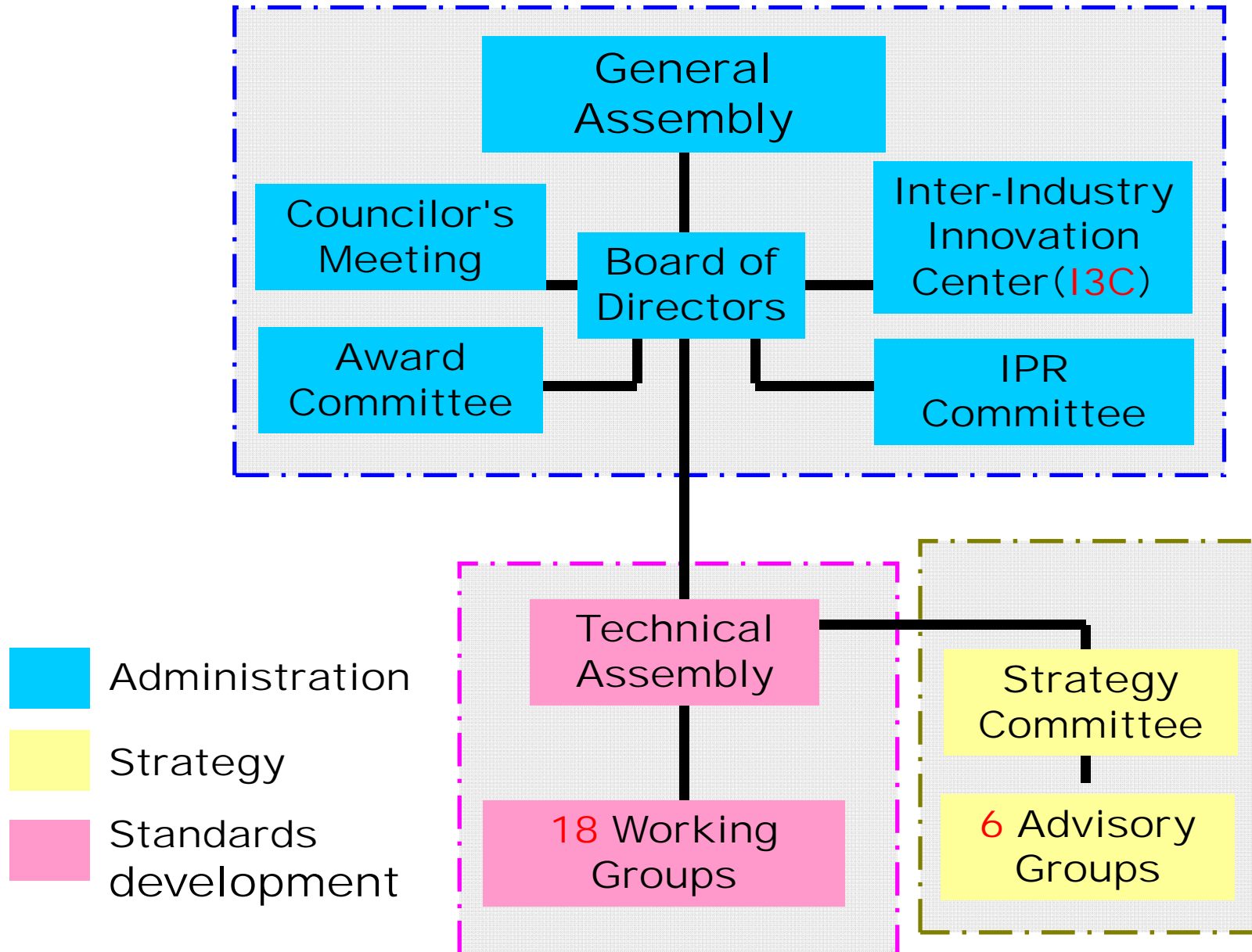
# High Interest Subjects in 2013

- ❑ Disaster relief/emergency communications
- ❑ M2M and IoT including e-health
- ❑ Cloud computing and SDN (*New*)
- ❑ Security
- ❑ Smart grid and Home networking (*New*)
- ❑ ITS (Intelligent Transport Systems)
- ❑ Conformance & Interoperability Testing
- ❑ ICT & Environment (Climate Changes)
- ❑ New Generation Networks and Photonic based Infrastructure (*New*)

# ITU-T Review Committee

- RevCom was established in WTSA-12 in order to review ITU-T strategic plan and the existing ITU-T SG structure and prepare a strategic restructuring proposal to WTSA-2016
- Since ITU-T SG restructuring will impact the future TTC standardization activities, TTC plans to contribute to ITU-T RevCom discussion by expanding mandates of the existing Global Collaboration AG (GCAG)
  - contribution to ITU-T TSAG and RevCom
  - global collaboration with CJK, APT ASTAP, GSC, ITU-T etc.

# TTC Organization Chart



# Officers

❑ Chairman of the Board:

Prof. Mitsutoshi HATORI

❑ CEO & Senior Vice President:

Mr. Yoichi MAEDA

also serves as Chairman of ITU-T RevCom

❑ Secretary General:

Mr. Noriyuki SHIGETA

❑ Director General of I3C:

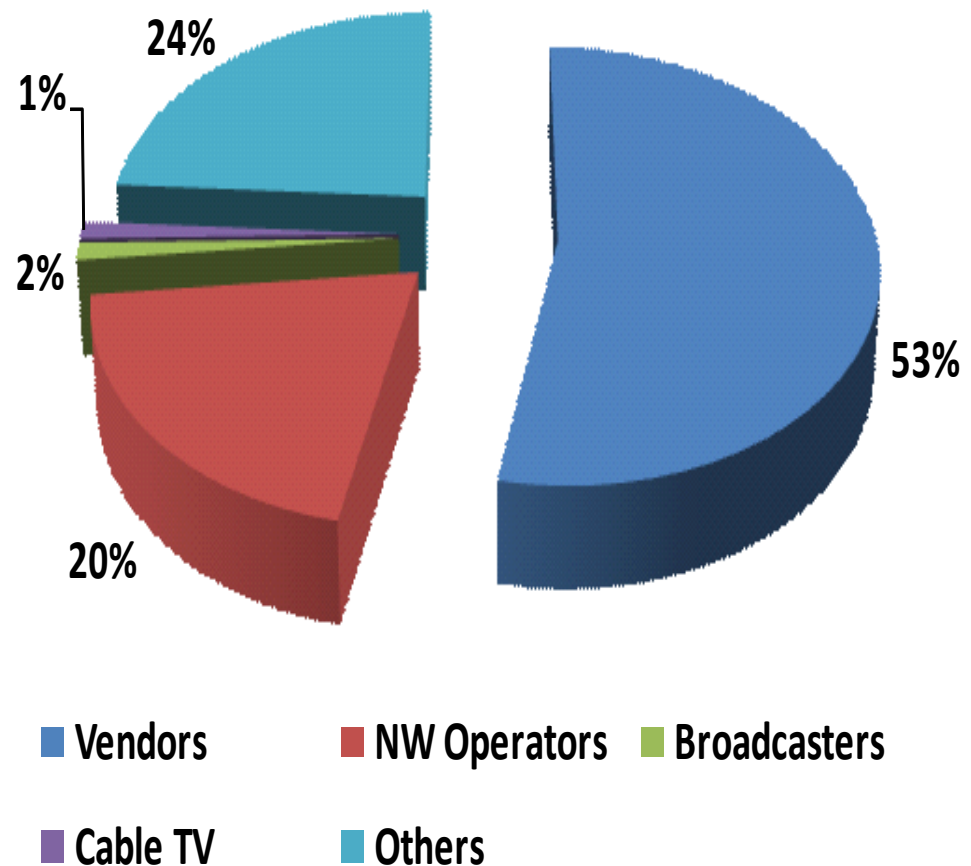
Mr. Yukio Yamanaka

# Inter-Industry Innovation Center

- Step forward of ICT global standardization from intra-industry innovation to **inter-industry innovation** such as Cloud Computing, M2M/IoT, ITS (Smart Car), Smart Grid (Smart Energy), and Disaster relief and emergency communications, etc.
- TTC has established, in April 2011, "**Inter-Industry Innovation Center (I3C)**", which surveys the trends of the inter-industry collaboration, identifies the areas where TTC should play an active role of innovation and develops new strategies of ICTs.

# TTC Membership

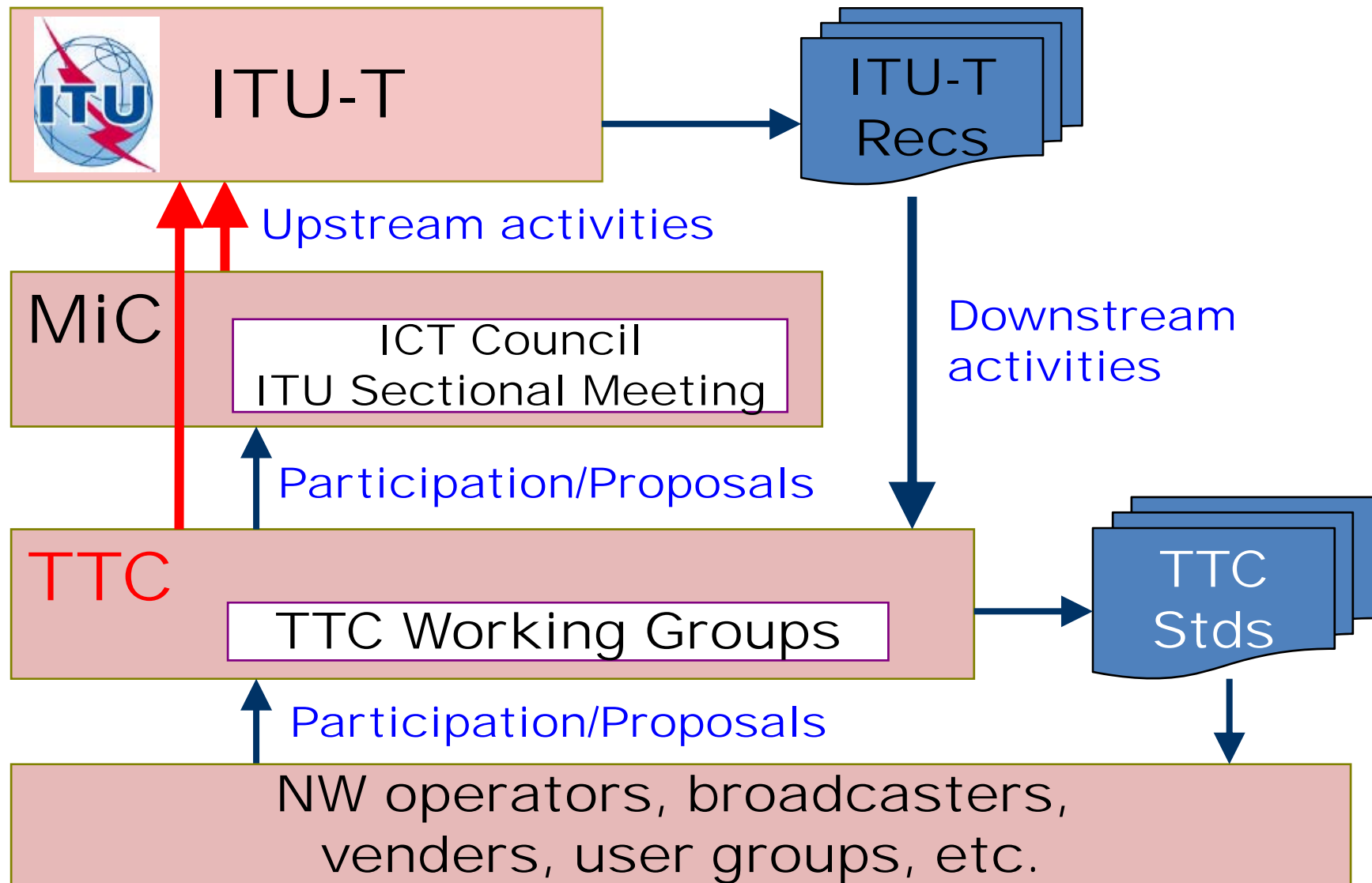
Category	No.
Vendors	42
NW operators	16
Broadcasters	1
CATV Operators	1
Others	19
<b>Total</b>	<b>79</b>



\*as of March 2013



# TTC Standards development



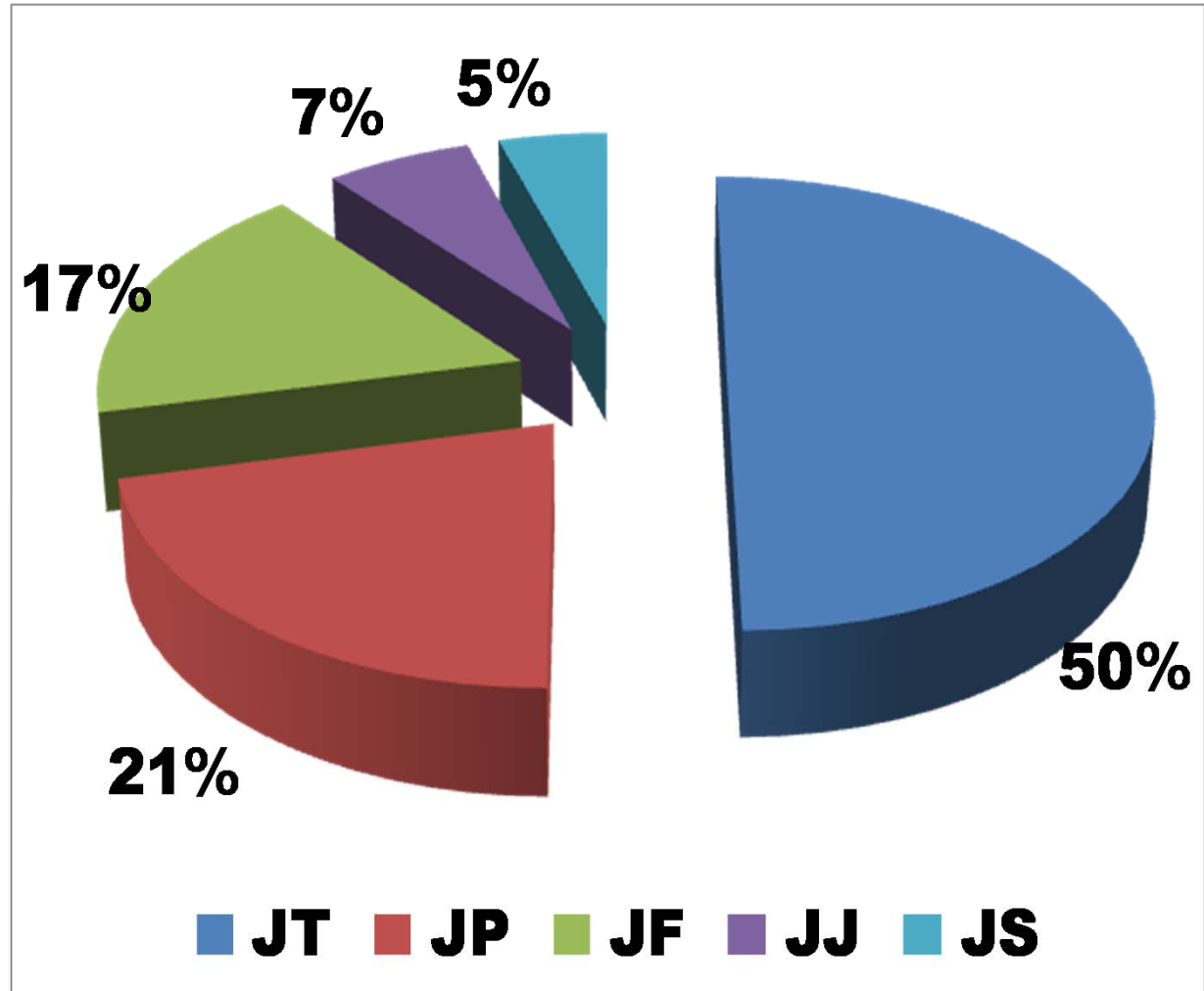
# Categories of TTC Documents

Category	Description	Relationship
JT	TTC Stds based on ITU-T Recommendations	ITU-T
JP	TTC Stds based on deliverables developed by regional SDOs or partnership projects	3GPP, 3GPP2
JF	TTC Stds based on the de-facto stds/deliverables developed by fora	IETF, IrDA, NMF, IEEE, etc.
JJ	TTC Stds developed originally by Japan/TTC	Japan/TTC original
JS	TTC Stds based on ISO Stds	ISO
TS	Technical Specification	3GPP, 3GPP2, RCSS, etc.
TR	Technical Report	3GPP, 3GPP2, RCSS, etc.

# Number of TTC documents

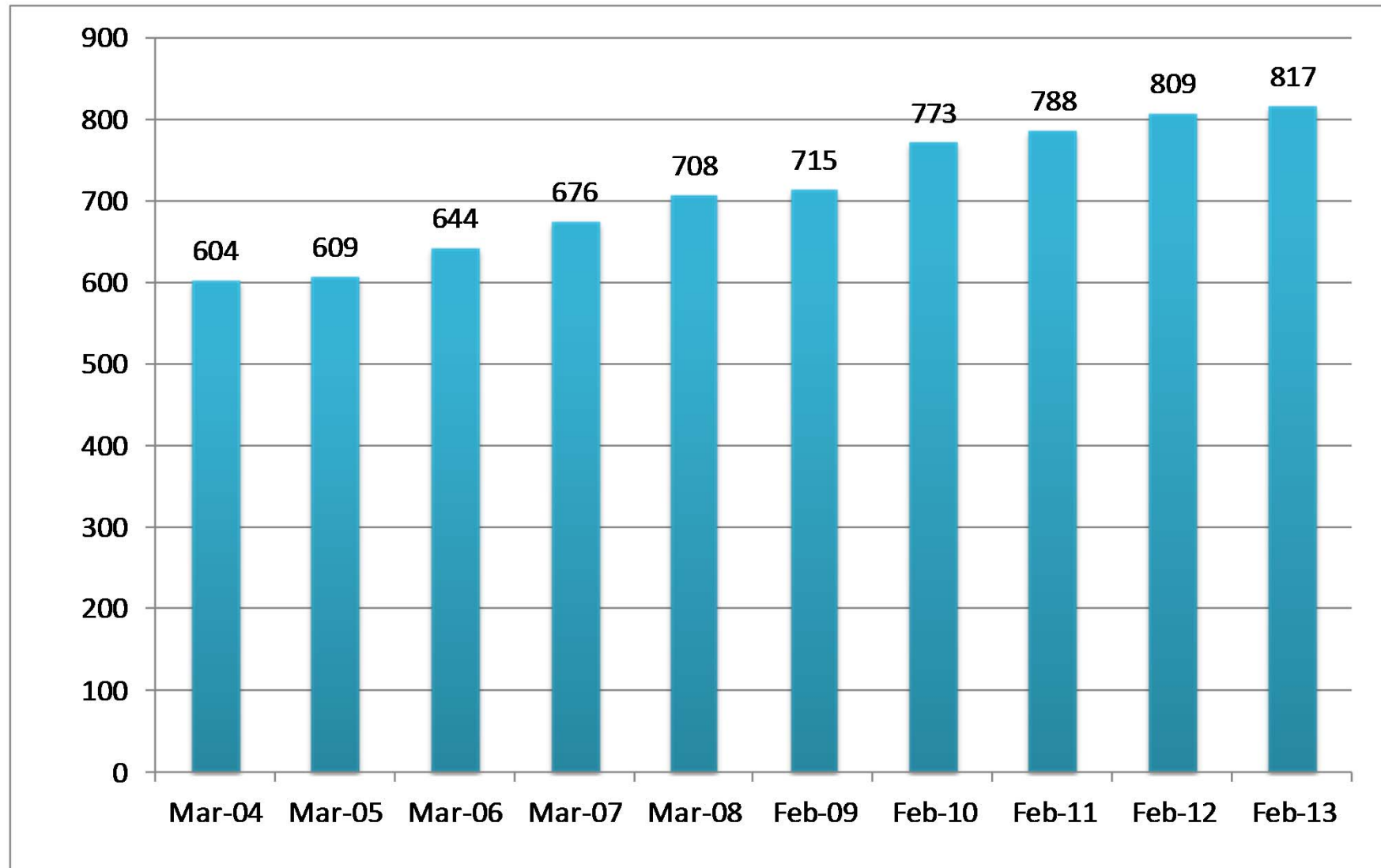
Category	No.
JT	409
JP	173
JF	143
JJ	54
JS	38
TS	8201
TR	385

\*as of July 2013



Note: this graph does not include TS or TR

# TTC Standards in each year



# Working Groups (WGs)

- ✓ NGN & FN (Future Network) WG
- ✓ Optical transport networks and EMC WG
- ✓ DSL WG ✓ IPTV WG
- ✓ Network Management WG
- ✓ ICT & Climate Change WG
- ✓ Signaling WG ✓ Security WG
- ✓ Next-generation HN System WG
- ✓ Optical Fiber Transmission WG
- ✓ Numbering Plan WG
- ✓ Bridging Standardization Gap WG (*New*)
- ✓ oneM2M WG (*New*)
- ✓ 3GPP and 3GPP2 WGs, etc.

## oneM2M WG (New)

Chairman : Nick YAMASAKI (KDDI)

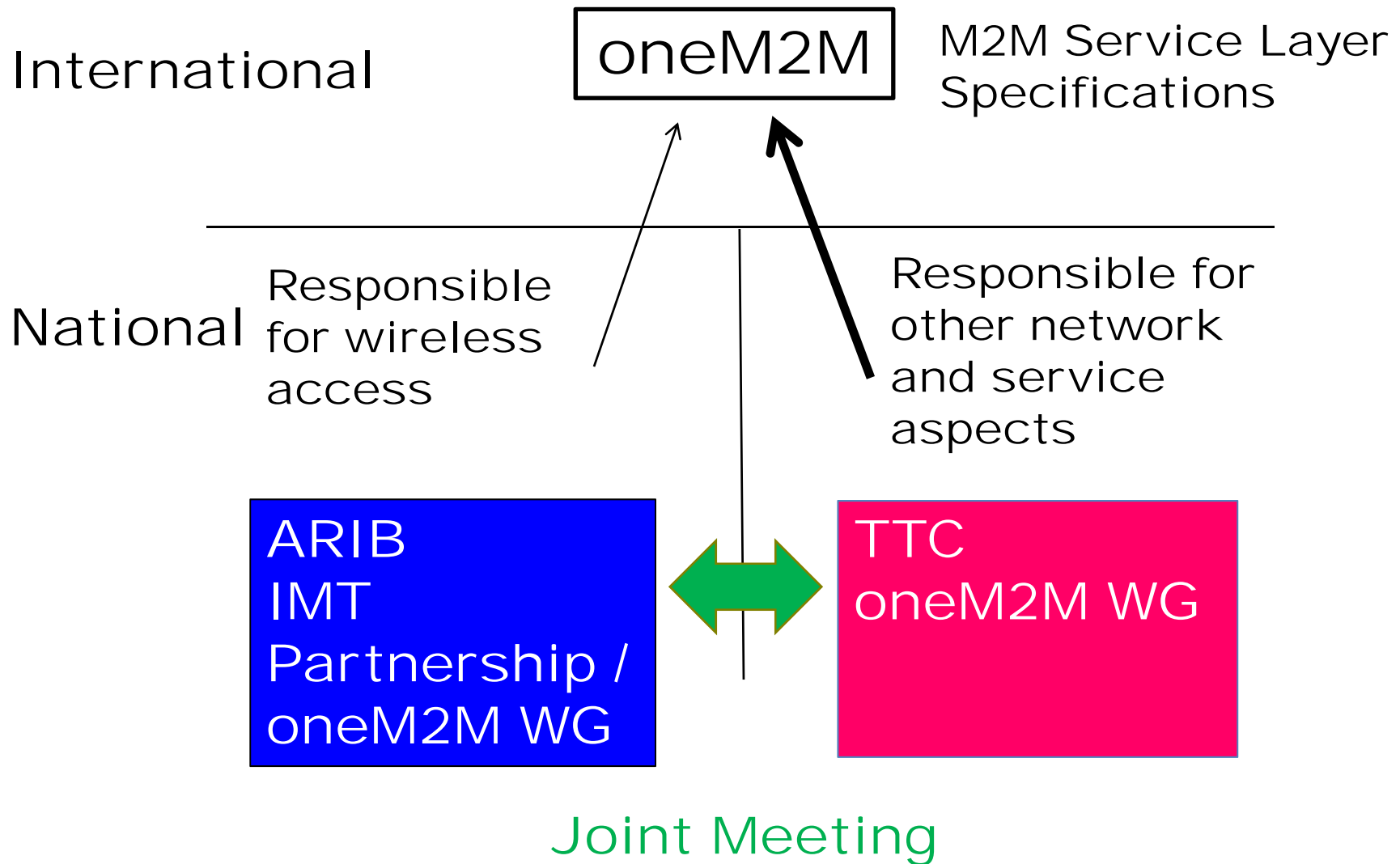
Vice Chair : Akihiro TSUTSUI (NTT)

Members : 12 companies as of March. 2013  
(including 6 oneM2M member companies)

ToR

- oneM2M Steering Committee issues
- Information/opinion exchange for oneM2M  
Technical Plenary & WGs
- Information sharing of new movements in  
other organizations relating to M2M
- Downstream activities of Technical  
Specification and Reports agreed at  
oneM2M
- Promotion activities

# oneM2M in Japan



# Advisory Groups (AGs)

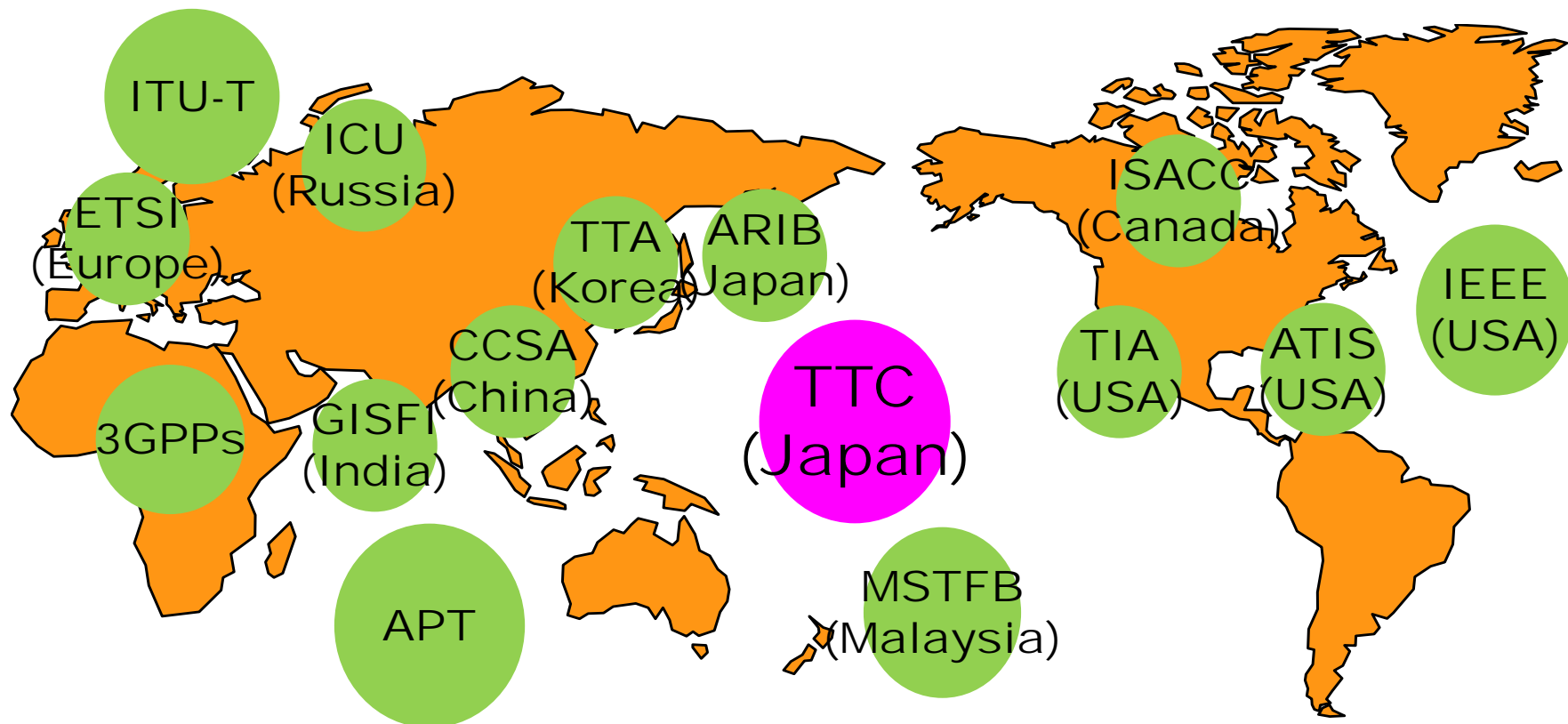
- ✓ Technology Research AG
- ✓ Global Collaboration AG
- ✓ Interoperability AG
- ✓ Cloud computing AG
- ✓ Multimedia AG
- ✓ Smart CommunicationAG (*restructured*)
  - *Smart Grid WP*
  - *Smart Car WP*
  - *Disaster relief/Emergency Comms WP*
  - *E-health, etc.*



# IPR Committee

- develops and updates "Fundamental and Operational Procedures on TTC IPR Policies" so that they are consistent with
  - a) relevant lawful regulations in Japan, such as Patent Act, Copyright Act and Anti-trust Law; and,
  - b) [ITU/ ISO/IEC Common Patent Policy and guidelines](#) for its implementation
- develops and updates "Operational Treatment of Copyright for TTC Deliverables". For more details, see <http://www.ttc.or.jp/e/index.html>

# Inter/intra-regional collaboration



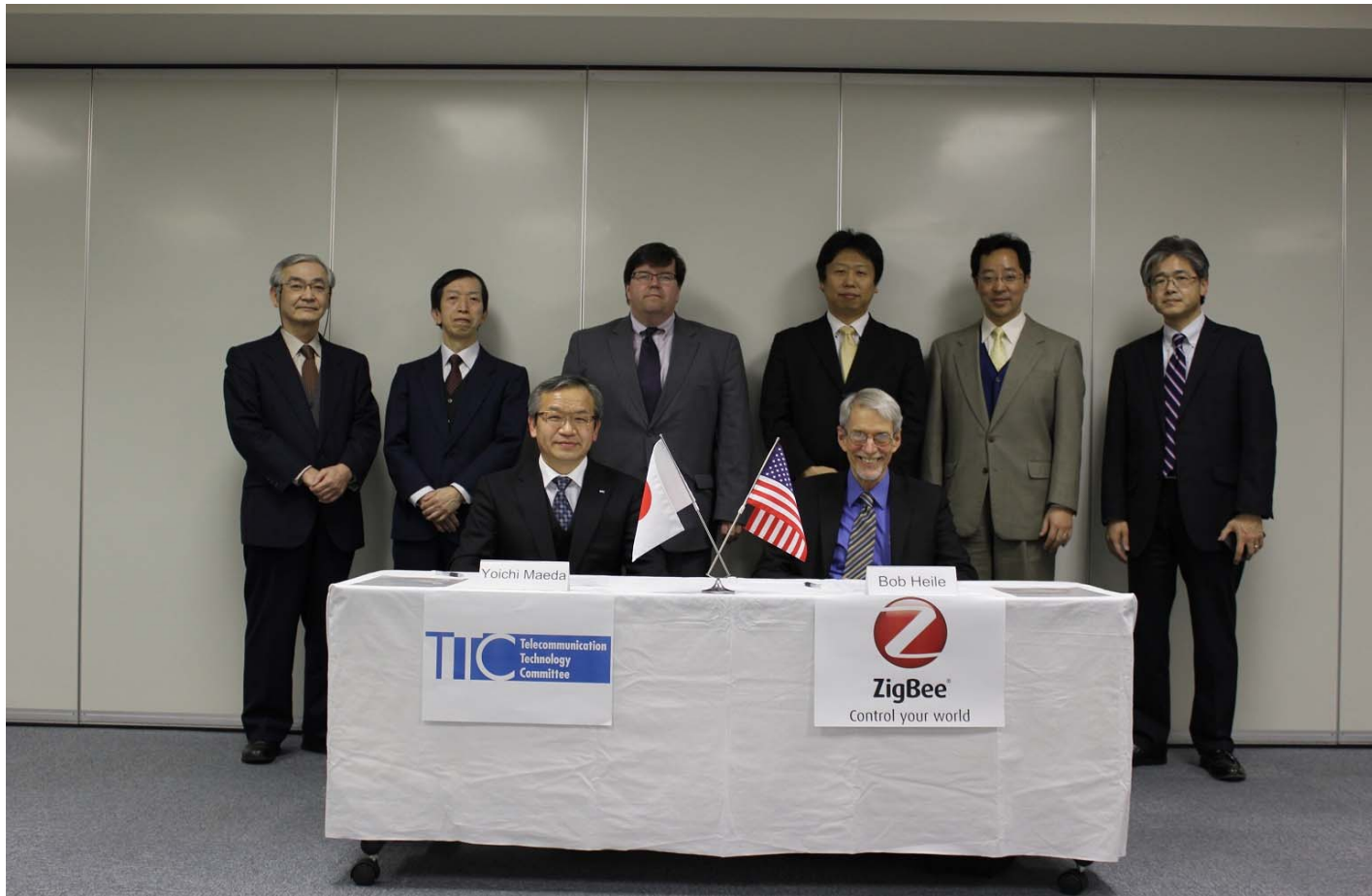
Forms of collaboration	Examples
Participation	APT/ASTAP
Core member	CJK(ARIB, CCSA, TTA), GSC, 3GPP/3GPP2
MoU/Lol	ITU, ETSI, IEEE, GISFI, MSTFB, ICU, ZigBee Alliance (New), Wi-SUN Alliance (New) etc

# MoU & LoI

	Organizations
MoU	ITU&CJK, ETSI, ATIS, TIA, ICU, MSTFB, IEEE, ZigBee Alliance*, Wi-SUN Alliance*, etc.
LoI	GISFI

\*Agreements in 2013

# MoU with ZigBee Alliance



- TR-1043 Implementation guidelines of Home network communication interface
- JJ-300.10 Home network communication Interface for ECHONET Lite

# MoU with Wi-SUN Alliance



- TR-1043 Implementation guidelines of Home network communication interface
  - JJ-300.10 Home network communication Interface for ECHONET Lite
- Mar-5, 2013

Thank you very much  
for your attention !



If you have any comments or  
questions,  
please contact to  
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<http://www.ttc.or.jp/e/>