

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

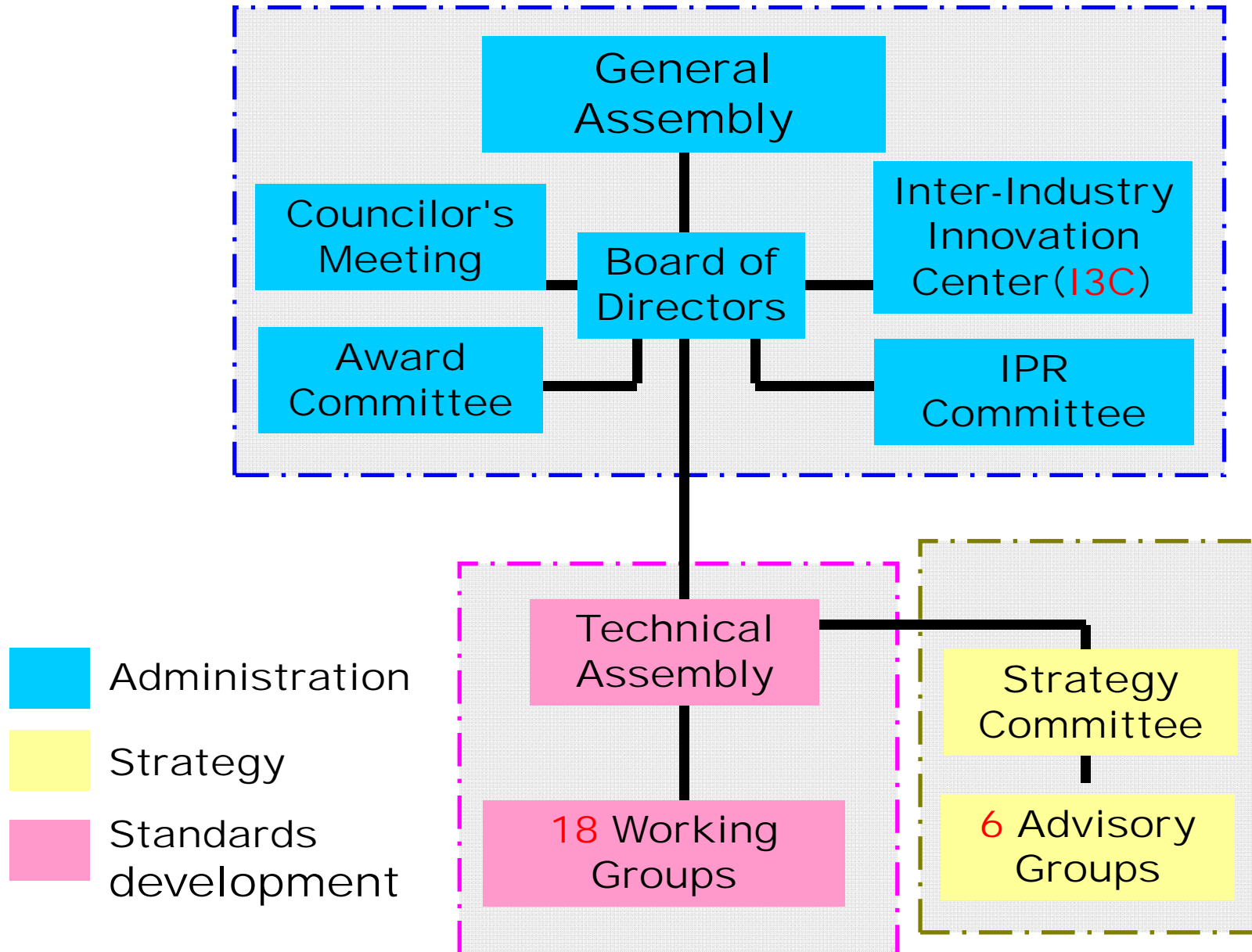
High Interest Subjects in 2013

- ❑ 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:

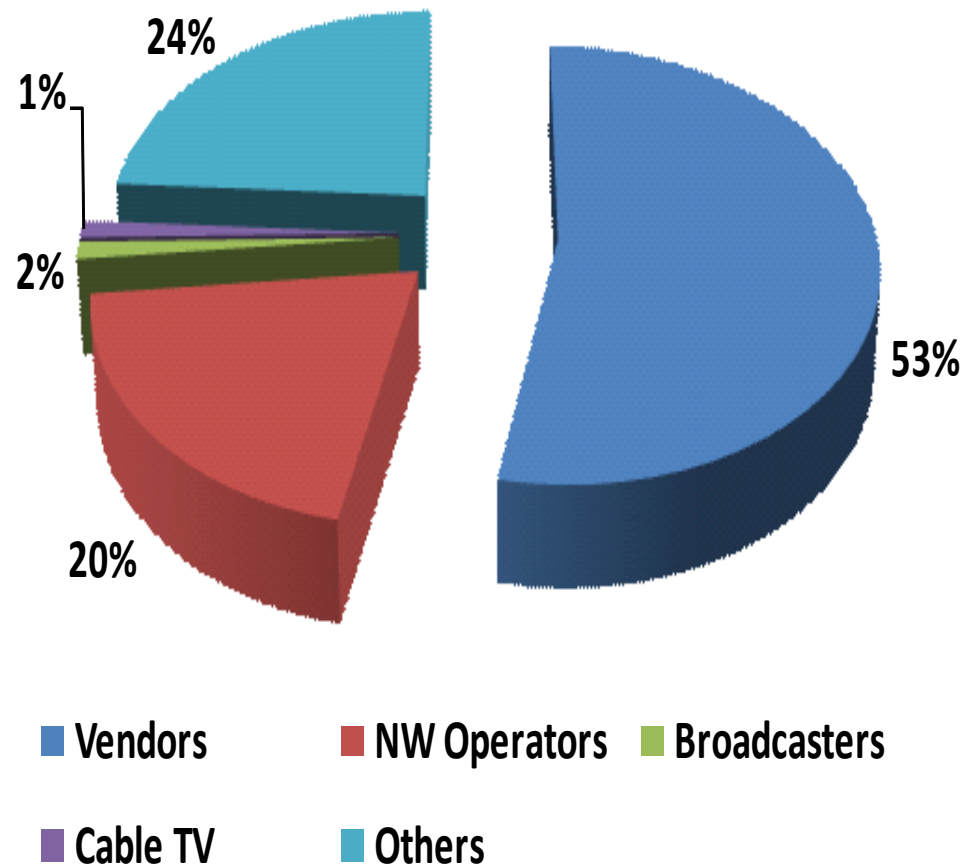
Mr. Yukio Yamanaka

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.

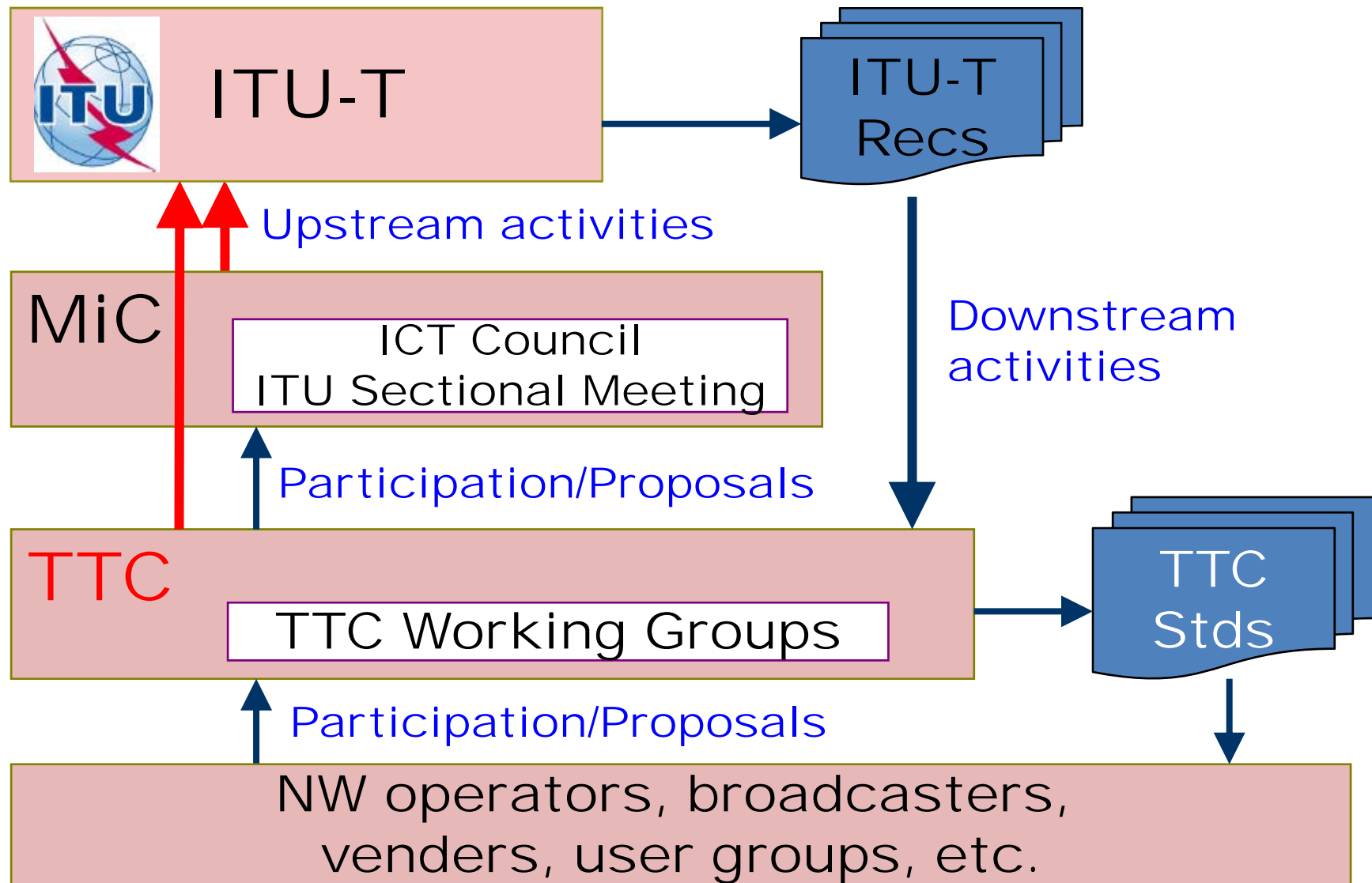
TTC Membership

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



*as of March 2013

TTC Standards development



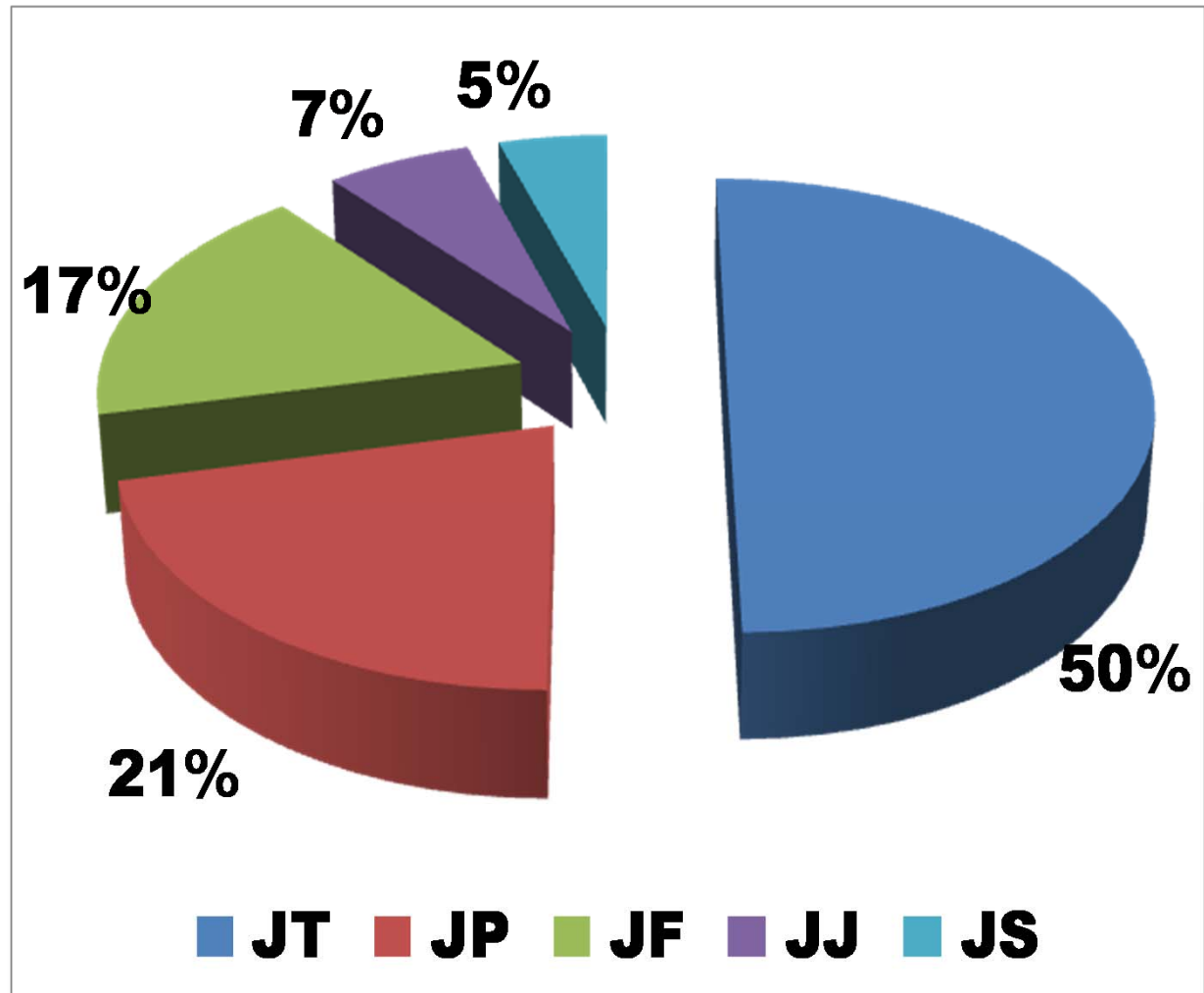
Categories of TTC Documents

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

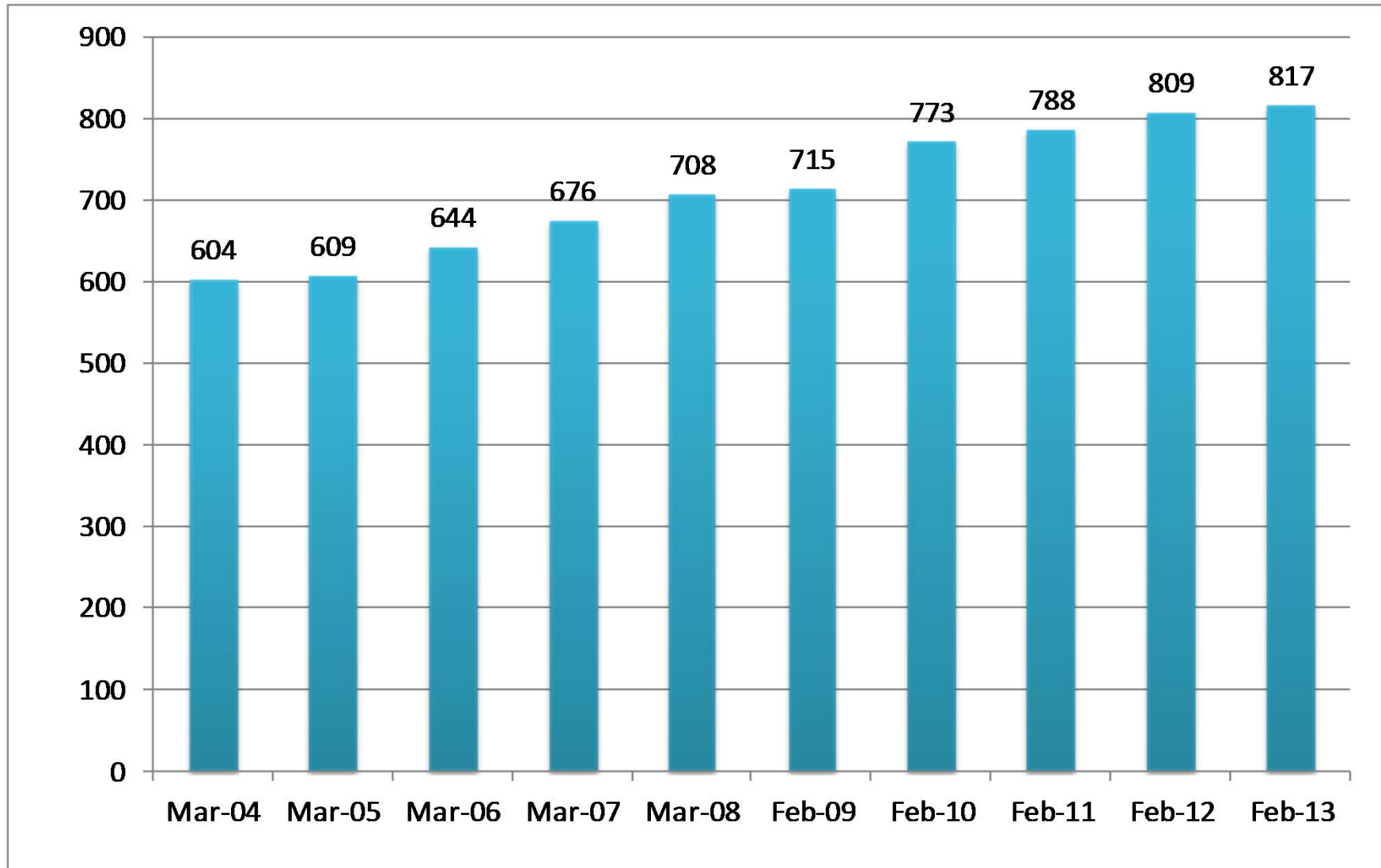
Category	No.
JT	409
JP	173
JF	143
JJ	54
JS	38
TS	8201
TR	385

*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)

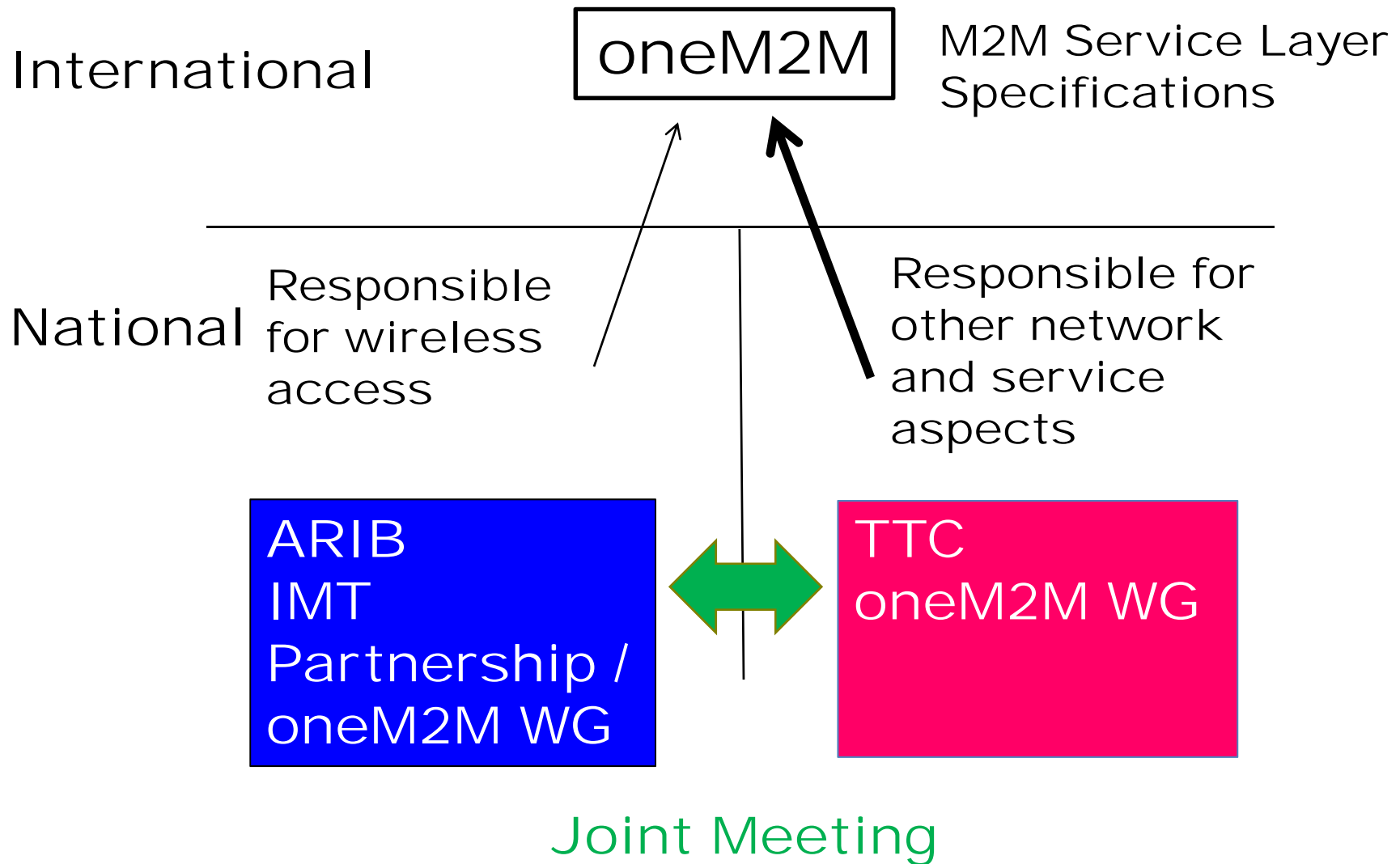
Vice Chair : Akihiro TSUTSUI (NTT)

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



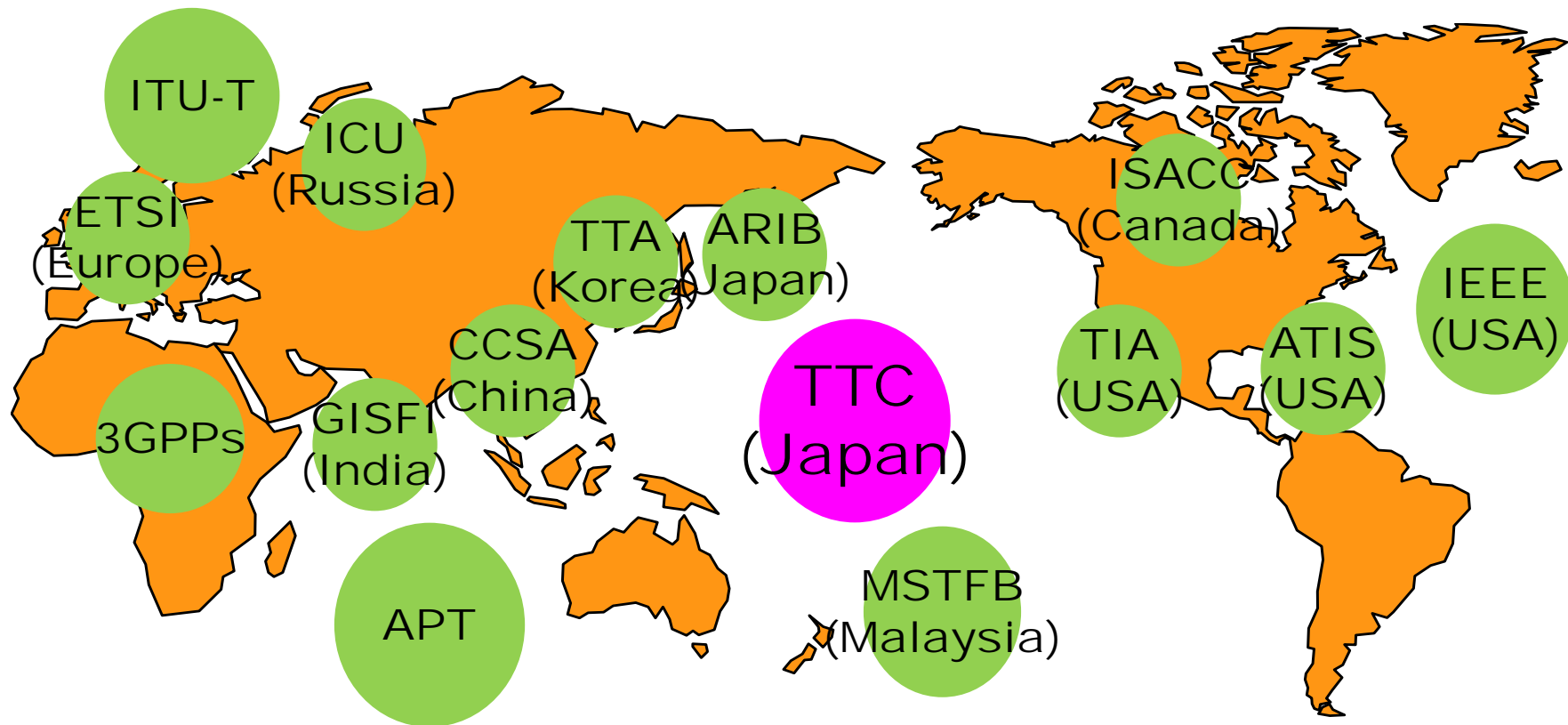
Advisory Groups (AGs)

- ✓ 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



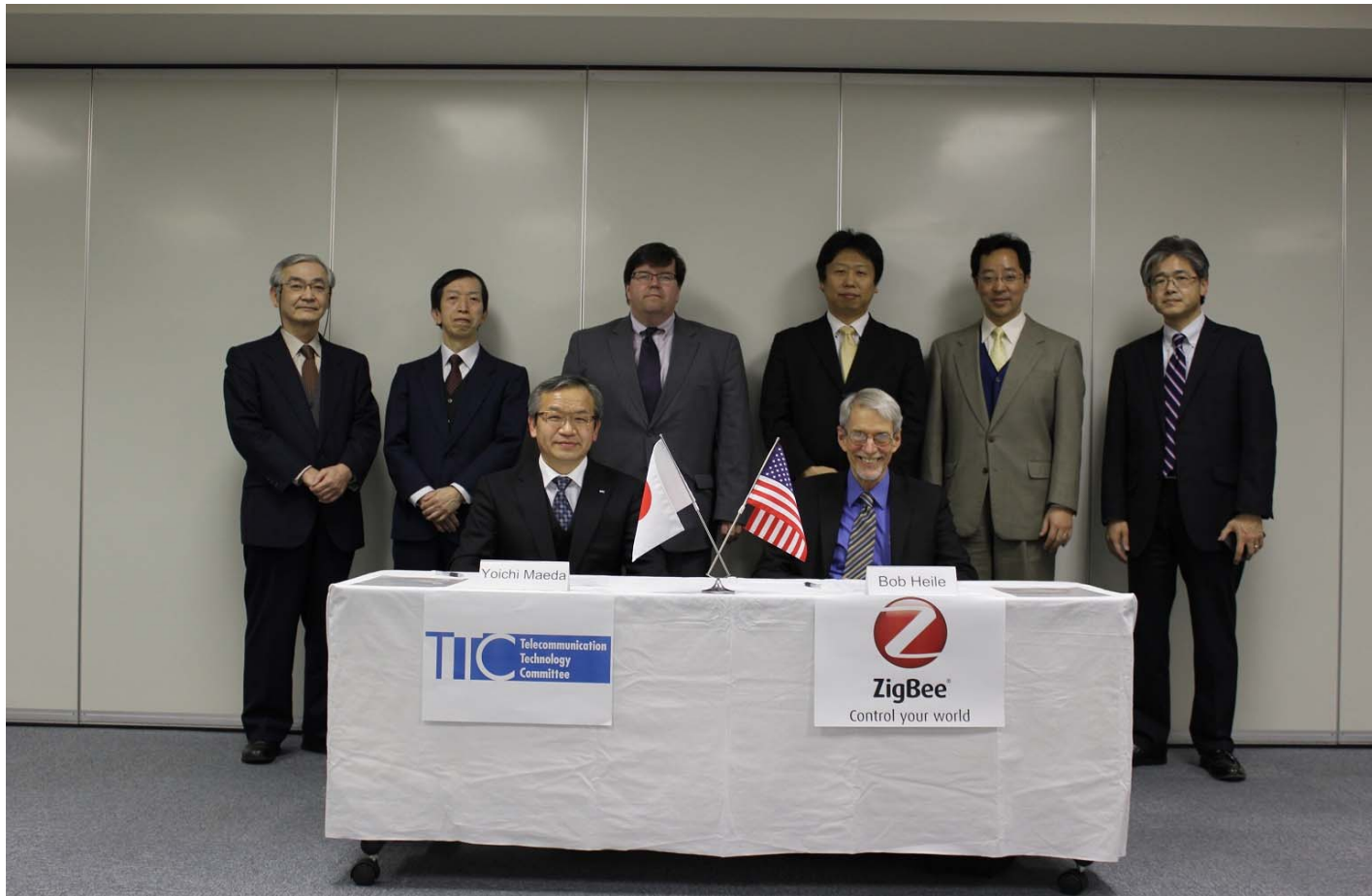
Forms of collaboration	Examples
Participation	APT/ASTAP
Core member	CJK(ARIB, CCSA, TTA), GSC, 3GPP/3GPP2
MoU/Lol	ITU, ETSI, IEEE, GISFI, MSTFB, ICU, ZigBee Alliance (New), Wi-SUN Alliance (New) etc

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 ²¹

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/>