



3GPP Summit

Standards Timeline for 5G

Taipei, Taiwan, 24 November, 2015



工業技術研究院
Industrial Technology
Research Institute



集思交通部國際會議中心

This one-day summit will aim to increase awareness of 3GPP work in Taiwan and to show experts the way to start participation in the work of the Project.

The target audience is:

- Young engineers who work on technologies related to 3GPP systems
- Companies that are working on LTE solutions, along with other accesses such as WiMAX and Wi-Fi
- Ministry, Regulatory and Industry people who may need to know more about 3GPP as a Standards Partnership
- Press & Media – Who may wish to discuss our timeline for LTE and future “5G”

Much of the agenda will be aimed at getting Taiwan input on how participation can flourish via one or more of the Taiwan organizations present, through a dialogue on 3GPP standards for LTE and future 5G work.

Session 1 Chaired by: **Sheng-Lin Chou, Secretary General of TAICS**

1. Welcome Address (10 minutes)

Speaker: Chia-Hsiang Chang, Science and Technology Advisor, DoIT/MoEA

2. Industrial Technology Research Institute – Keynote Address (20 minutes)

Speaker: Tzi-Cker Chiueh, General Director of ICL/ITRI

3. 3GPP Status Report (20 minutes)

Speaker: Adrian Scrase, 3GPP Head of Mobile Competence Centre

4. Industry’s role in standards for next-generation mobile networks (30 minutes)

Speaker: Gabriel Lin, Taiwan Association of Information and Communications Standards

Session 2 Chaired By: **Adrian Scrase (3GPP)**

5. 3GPP GERAN Status update – Legacy systems and future role for GSM/EDGE Systems (30 minutes)

Speaker: **Wang Xinhui, 3GPP GERAN Vice-Chairman**

- Cellular IoT - GERAN requirements
- Power Efficient Operation
 - Relaxed idle mode behavior
 - eDRX
 - PSM
- EC-GSM
 - Extended coverage
 - Reduced device complexity

6. 3GPP Core Network Aspects (30 minutes)

Speaker: **Georg Mayer, 3GPP CT Chairman**

- Overview and Highlights from Rel-13 Work in 3GPP CT
- Mission Critical Push to Talk Work
 - General Requirements and Architecture
 - Work flow and Timelines
 - Stage 3 / Protocol Work
 - MCPTT Profile

7. 3GPP Systems Aspects - The timeline for 3GPP architecture evolution (30 minutes)

Speaker: **Daisuke Yokota, 3GPP SA Vice-Chairman**

- Structure of working groups under TSG SA, their responsibilities and topics
- Study on New Services and Markets Technology Enablers (SMARTER)
- Expected steps for the standardization of 3GPP network architecture evolution

8. Overview of RAN activities, Release 13 Status & 5G Timeline (30 minutes)

Speaker: **Nakamura Takaharu, 3GPP RAN Vice-Chairman**

- Role of TSG-RAN and related activities outside 3GPP
 - Its functions, activities structure
- Achievements of RAN
- Current activities: Rel-13
- Future plan: Rel-14 and beyond including 5G

Session 3 Chaired by: **Li-Fung Chang, Chief Architect of 5G Technology Program Office, DoIT**

9. Operator vision on IoT

Speaker: **Kuen-Rong Lo, Director of IoT Laboratory, CHT**

10. LAA and Wi-Fi Coexistence work – A case study on cooperation (30 minutes)

Speaker: **Andy Wang, ITRI**

11. H2020: Future Internet Program (30 minutes)

Speaker: **Fang-Chu Chen, ITRI**

12. TTA - Future Mobile perspective (30 minutes)

Speaker: **DaeJung KIM, Director of Radio and Broadcasting Div. of TTA**

13. Panel discussion on Future mobile Standards for 5G

Chair: **Ching-Tarng Hsieh, ITRI**

Panelists: **Adrian Scrase - 3GPP, Sheng-Lin Chou - TAICS, DaeJung KIM - TTA, Shawkang Wu - ITRI**

[End of Summit]

8:00~ 9:00	Registration	
Session 1 Chaired by Dr. Sheng-Lin Chou, Secretary General, TAICS		
9:00~ 9:10	Welcome Address	Chia-Hsiang Chang, Science and Technology Advisor, DoIT/MoEA
9:10~ 9:30	Keynote Address	Tzi-Cker Chiueh, General Director, ICL/ITRI
9:30~ 9:50	3GPP Status Report	Adrian Scrase, 3GPP Head of Mobile Competence Centre
9:50~10:20	Industry's role in standards for next-generation mobile networks	Gabriel Lin, Chairman of TC1, TAICS
10:20~10:30	Break	
Session 2 Chaired by Adrian Scrase, 3GPP		
10:30~11:00	3GPP GERAN Status update – Legacy systems & future role for GSM/EDGE Systems	Wang Xinhui, 3GPP GERAN Vice-Chairman
11:00~11:30	3GPP Core Network Aspects	Georg Mayer, 3GPP CT Chairman
11:30~12:00	3GPP Systems Aspects - The timeline for 3GPP architecture evolution	Daisuke Yokota, 3GPP SA Vice-Chairman
12:00~12:30	Overview of RAN activities, Release 13 Status & 5G Timeline	Nakamura Takaharu, 3GPP RAN Vice-Chairman
12:30~13:30	Lunch	
Session 3 Chaired by Dr. Li-Fung Chang, Li-Fung Chang, Chief Architect of 5G Technology Program Office, DoIT		
13:30~14:00	Operator vision on IoT	Kuen-Rong Lo, Director, IoT Labs. CHT
14:00~14:30	LAA and Wi-Fi Coexistence work – A case study on cooperation	Andy Wang, ITRI
14:30~15:00	H2020: Future Internet Program	Fang-Chu Chen, ITRI
15:00~15:20	Break	
15:20~15:50	TTA - Future Mobile perspective	DaeJung KIM, Director, Radio and Broadcasting Div. of TTA
15:50~17:00	Panel Discussion	Chair: Ching-Tarng Hsieh – ITRI Panelists: Adrian Scrase - 3GPP Sheng-Lin Chou – TAICS Daejung Kim – TTA Shawkang Wu - ITRI