

**IoT
Platforms &
Standardisation**

WORKSHOP



When & Where

Wednesday 08 February 2017, Brussels

European Commission BU-25 - Room 0/S1

Avenue de Beaulieu 25, 1160, Auderghem, Brussels

Workshop's Objective

Standardisation will play a key role in the consolidation of IoT landscape. Since many of the benefits of IoT will occur on the basis of widespread adoption, the development of global standards is pivotal to ensuring economies of scale and impact.

This workshop seeks to link the achievements of the AIOTI IoT standardisation working group (WG03) to the other initiatives and to explore how AIOTI WG03 and the participating Standards Developing Organizations (SDOs)/Alliances/Initiatives can engage in the process of solving any IoT standardization applied within and across application domains, such as smart farming, automotive, smart city, smart energy, smart building, assisted living, future manufacturing and smart wearables.

Expected Outcome

Several outcomes are expected from this workshop. In particular, the expected key outcomes are:

- engagement model and roadmap of cooperation between AIOTI WG03 and other initiative
- process/actions on strengthening the cooperation between AIOTI WG03 and existing and upcoming H2020 IoT Research projects and Large Scale Pilots (LSPs)
- process/actions on engaging the H2020 IoT LSPs and other pilots to contribute on the work on IoT platforms and IoT standardization activities

Agenda (Version 1st February)

08:30 - 09:00 *Registration*

09:00 - 09:10 **Opening Speech**

Mechthild Rohen, Head of Unit Internet of Things, DG CONNECT, European Commission

09:10 - 09:30 **Keynote Speech**

Luis Jorge Romero, Director General European Telecommunications Standards Institute (ETSI)

09:30 - 10:30 **AIOTI WG03 set the scene with STF505**

Introduction to the AIOTI WG03 by **Patrick Guillemain**, AIOTI WG03 Chair

Core values of AIOTI WG03 by **Georgios Karagiannis**, AIOTI WG03 Co-Chair

The Main AIOTI WG03 reports available by **Patrick Guillemain**, AIOTI WG03 Chair

IoT Landscape state of Play of AIOTI WG03 and STF505 by **Emmanuel Darmois** ETSI STF 505

10:30 - 11:00 *Coffee Break*

11:00 - 12:00 **Panel on Converging IoT standards**

Moderator: Patrick Guillemain, AIOTI WG03 Chair

Panelists:

- **oneM2M** Omar Elloumi, Nokia, oneM2M Chairman
- **ETSI/SmartM2M**, Enrico Scarrone, Telecom Italia, SmartM2M Chairman and oneM2M SB Vice-Chair
- **ITU-T** SG20, Marco Carugi, NEC Corporation, ITU-T SG20 Rapporteur and Mentor
- **IEEE** P2413, Paul Murdock Landis+Gyr
- **ISO/IEC JTC1** WG10 (IoT), Henri Barthel GS1
- **CEN/CENELEC** Bruno Chenard/ Constant Kohler CCMC, Coordination Groups on Smart Meter and Smart Grid
- **IIC** Jean-Pierre Desbenoit, Schneider-Electric
- **OPC and Platform I4.0**, Thomas Hahn, Siemens
- **IETF** Georgios Karagiannis, Huawei Technologies

12:00 - 13:00 *Lunch Break*

13:00 - 15:30 **3 Breakout Sessions**

Structured Dialogue along the lines:

1) Standardisation Landscape, 2) Definition / use of a Reference Architecture Model, 3) Semantic Interoperability – / link to white paper and 4) Position of the relevant LSPs

Smart Farming

Speakers:

Christophe Gossard, John Deere

Norbert Schligmann, AEF e.V.

Ivo Hostens, CEMA

Harald Sundmaeker, Institute for Applied Systems Technology Bremen GmbH

Smart Cities

Speakers:

Martin Brynskov, Aarhus University

Omar Elloumi, Nokia

Matt Wood-Hill, Future Cities Catapult

Bart De Lathouwer, Open Geospatial

John Davies, BT

Industrial IoT

Speakers:

Thomas Hahn, Platform I4.0

Juergen Heiles, Siemens

Mauro Isaja, Engineering

Jean-Pierre Desbenoit, SchneiderElectric

Chris Decubber, EFFRA

15:30 - 16:00 *Coffee Break*

16:00 - 16:30 **Breakout Sessions Report**

16:30 - 17:00 **Closing Remarks and open Discussion**

Background Information

AIOTI WG03 is contributing to the European and global engagement in the standardization process. In collaboration with other AIOTI WGs and STFs, WG03 is:

- Maintaining a view on the landscape of IoT standards-relevant activities being driven by SDOs, Consortia, Alliances and OSS projects.
- Providing a forum for analysis, discussion and alignment of strategic, cross-domain, technical themes and shared concerns across landscape activities
- Developing recommendations and guidelines addressing those concerns
- Engaging the IoT community in disseminating and promoting the results and steering

Currently the AIOTI Working group on IoT standardisation has established four sub-groups to assist his work:

1. Sub-group on IoT landscape analysis
2. Sub-group on definition of a high-level architecture
3. Sub-group on semantic interoperability
4. Sub-group on privacy between interconnected "things" and systems.
5. Sub-group on security between interconnected "things" and systems.

