



**Open Source and Standards:
The Path Forward Towards 5G and the Internet of Things**



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November 1, 2017, 8:00 am – 17:30 am (PDT)

**Lincoln Square Building in Bellevue, 15th floor
700 Bellevue Way, NE, Bellevue, WA (USA)**

Objective of the Workshop:

During last year’s ITU-NGMN workshop on “[Open Source and Standards for 5G](#)”, participants explored the increasing use of open source software (OSS) in connection with information and communications technology standards (including 5G), and examined why bringing together different tools and communities creates opportunities for the industry. This workshop will build on the results of last year’s event. It will explore how standards-setting organizations (SSOs) can best realize the opportunities for greater use of OSS and possible collaboration with open source communities, and make this new form of innovative approaches to standardization work in practice.

8.00	Welcome and Registration
8.30	<p>Opening Remarks by ITU and NGMN:</p> <ul style="list-style-type: none"> • Chaesub Lee, Director Telecommunication Standardization Bureau, International Telecommunication Union • Serge Raes, Orange, Chairman NGMN IPR Forum
8.40	Keynote by Emilio Davila, Head of Sector ICT Standardization, European Commission
Morning Sessions	
9.00	<p>Session 1: Open Source - What is it and what role can it play in connection with 5G and other ICT standards?</p> <p>Are standards and OSS substitutes or complements? What are the fundamental differences between OSS and standards? How can OSS provide value in the context of standardization? Are there fundamental issues or requirements associated with OSS that the standards community needs to take into consideration? Does the OSS community see value in standardization and the interaction between standards and OSS?</p> <p>Moderator: Heather Meeker, O’Melveny & Myers LLP Speakers:</p> <ul style="list-style-type: none"> • Arpit Joshipura, General Manager Networking & Orchestration, Linux Foundation • Lubna Dajani, Chief Strategy Officer Intercede, AIOTI • Scott K. Peterson, Senior Commercial Counsel, Red Hat • Simon Phipps, OSI Board President



9.45	Interactive Discussion with Event Participants – Lessons Learned The moderator for Session 1 will invite event participants to actively discuss and exchange ideas on issues that have emerged during the Session.
10.30	Coffee and Tea Break
11.00	Session 2: Interplay between OSS and Standards – What is the current status of integration efforts at SSOs? What is the intended use of the standard/specification and of the code – and what are the options in this regard? What issues need to be addressed in developing an effective procedural framework? What types of frameworks may be effective in accomplishing the related objectives? What technical, organizational and legal issues are generally easier to address, and what issues are more challenging? Moderator: Serge Raes, Intellectual Property & Standardisation Strategy Director, Orange Speakers: <ul style="list-style-type: none">• Scott McGrath, COO, OASIS• Yvette Ho Sang, Director, IPR and Risk Management, IEEE• Simão Campos, Councilor, ITU-T Study Group 16, ITU• Christian Buerger, Chairman of the MarCom WG Open Source Mano, ETSI
11.45	Interactive Discussion with Event Participants - Lessons Learned The moderator for Session 2 will invite event participants to actively discuss and exchange ideas on issues that have emerged during the Session.
13.00	Lunch



Afternoon Sessions	
14.15	<p>Session 3: Interplay between OSS and Standardisation – Viewpoints of Industry Representatives</p> <p>From your perspective as an industry participant, what issues do SSOs need to address in developing an effective procedural framework for integrating OSS into their standards work? What technical, organizational and legal issues are generally easier for SSOs to address in formulating an approach to integrating OSS into their technical work, and what issues are more challenging? What are the most effective uses of OSS? Where should the OSS be developed and/or maintained? Is there a role for the OSS community in this regard?</p> <p>Moderator: Amy Marasco, General Manager, Standards Strategy, Microsoft</p> <p>Speakers:</p> <ul style="list-style-type: none">• Muhammad Khadim, National RAN and OSS Engineering, T-Mobile US• Margaret LaBrecque, Ecosystem Development for Industry Initiatives, Intel• Timo Perala, Head of Software and Standards, Nokia• John Avery, Group Manager, Panasonic Innovation Center, Panasonic Automotive
15.15	Coffee & Tea
15.45	<p>Interactive Discussion with Event Participants – Lessons Learned</p> <p>The moderator for Session 3 will invite event participants to actively discuss and exchange ideas on issues that have emerged during this Session.</p> <p>In addition, the three event moderators will lead a group discussion on cumulative lessons learned throughout the day: What role can standards and OSS each play in helping industry address increasingly complicated communications and interoperability needs? How can we integrate standards and open source work so that they work together effectively? How do we use these different tools and balance the expectations of these different communities? What can we learn from actual examples of integration?</p>
17.15	Conclusions from the Moderators and Closing Remarks
17.30	Close of Workshop