

# JCA-IMT2020

## Overview

Scott Mansfield – Chairman

# INTRODUCTION



- › What is a JCA?
- › IMT-2020 in ITU-T
- › JCA-IMT2020
  - Scope
  - Activities
- › Roadmap
- › First Meeting
- › Next Meeting
- › Related JCA and Activities
- › References

# WHAT IS A JCA?



- › Joint Coordination Activities (Described in ITU-T A.1)
  - Meant to coordinate the work of more than one study group on a particular topic
  - May also include invited experts and invited representatives of other SDOs
  - Aims mainly at improving coordination and planning.
- › Open to ITU Members and designated representatives of relevant Standards Development Organizations and Forums
- › The work specific to the topic is conducted by the relevant study groups, external SDOs, or open-source communities using the approval process of the parent organization

# IMT-2020 IN ITU-T



- › IMT-2020 work in the ITU-T started as a Focus Group on IMT-2020
  - Concluded in 2016
- › Bulk of work identified by the Focus Group was moved into Working Party 1 of SG-13

Question	SG-13 Working Party 1
Q6	Quality of service (QoS) aspects including IMT-2020 networks
Q20	IMT-2020: Network requirements and functional architecture
Q21	Network softwarization including software-defined networking, network slicing and orchestration
Q22	Upcoming network technologies for IMT-2020 and Future Networks
Q23	Fixed-Mobile Convergence including IMT-2020

# JCA-IMT2020



- › In order to coordinate the work between the large number of 5G ecosystem players, the JCA-IMT2020 was created
- › First meeting of group was 10 July 2017
- › Scope
  - The scope of JCA-IMT2020 is coordination of the ITU-T IMT2020 standardization work with focus on non-radio aspects within ITU-T and coordination of the communication with standards development organizations, consortia and forums also working on IMT2020 related standards.
- › Activities
  - Encourage possibilities of co-operation on IMT2020 non-radio aspects
  - Maintain a roadmap for IMT2020 standardization which addresses on-going and published specifications from ITU, other relevant standard development organization, consortia and forums

# ROAPMAP



- › Initial liaisons going out to
  - All ITU-R, ITU-T and ITU-D study groups, 3GPP (Core Network and Terminals, RAN, Service and System Aspects), BBF (Architecture and Migration, Routing and Transport, Wireline Convergence), ETSI (ISG MEC, ISG NFV, Millimetre Wave Transmission), GSMA (Network 2020), IEEE (Next Generation Fronthaul Interface (1914) Working Group, Time-Sensitive Networking for Fronthaul - 802.1cm), IETF (DETNET, DMM, SFC), MEF (Technical & Operations Committee), NGNM (5G Work Programme), OASIS (TOSCA), oneM2M, ONF (Architecture, Mobile Networks), ONAP, OSSDN, SCF, TM Forum, TTA (Telecommunications Convergence)
- › Looking to get information about the structure and current work in each of the organizations above
- › Roadmaps can take many forms
  - Plan to produce a web-based searchable bibliography
  - Ability to generate document references for use in technical documents
  - Spreadsheet format supported

# FIRST MEETING OF JCA- IMT2020



- › Was held 10 July 2017
- › Input received from
  - ITU-T Study Group 5
  - ITU-T Study Group 13
  - ITU-T Study Group 15
  - ITU-T Study Group 20
  - Broadband Forum
  - IEEE 5G Initiative Standards Working Group
  - IEEE Standards Association

# WORKING METHODS



- › The JCA will meet face-to-face, however, will primarily work using remote participation and eMeeting tools
- › There is a mailing list for discussion and information sharing
  - <https://www.itu.int/en/ITU-T/jca/imt2020/Pages/subscription.aspx>



# NEXT MEETING



- › 14 November 2017
  - 9:30 -11:00
  - Geneva
  - During the next ITU-T SG13 meeting
  
- › Considering a schedule for eMeetings in 2018 to be discussed at the next meeting

# RELATED JCAS



- › Software-Defined Networking (JCA-SDN)
  - Study Group 13
  - <https://www.itu.int/en/ITU-T/jca/sdn/Pages/default.aspx>
- › IoT & Smart Cities and Communities (JCA-IoT and SC&C)
  - Study Group 20
  - <https://www.itu.int/en/ITU-T/jca/iot/Pages/default.aspx>

# REFERENCES



## › JCA-IMT2020

– <https://www.itu.int/en/ITU-T/jca/imt2020/Pages/default.aspx>

## › ITU-T SG13

– <https://www.itu.int/en/ITU-T/studygroups/2017-2020/13/Pages/default.aspx>

## › ITU-T A.1

– <https://www.itu.int/itu-t/recommendations/rec.aspx?rec=13163>



**ERICSSON**