



INTERNATIONAL TELECOMMUNICATION UNION

**TELECOMMUNICATION
STANDARDIZATION SECTOR**

STUDY PERIOD 2022-2024

FG-TBFxG-O-014-R1

**FOCUS GROUP ON TESTBED FEDERATIONS
FOR IMT-2020 AND BEYOND**

Original: English

WG(s): All virtual, 4-7 April 2022

OUTPUT DOC

Source: Chairman FG-TBFxG

Title: Work plan of the FG-TBFxG – list of deliverables, 7 April 2022

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Abstract: This document contains the list of FD-TBFxG deliverables advanced at the FG-TBFxG virtual meeting (4-7 April 2022).

Work plan of the FG-TBFxG
Deliverables and Editors

WG	Deliverables	Editors	Title of output document	Output Document	Abstract
	D0.1	<ul style="list-style-type: none"> Muslim Elkotob (Vodafone, muslim.elkotob@vodafone.com) 	Technical Specification: High-Level Taxonomy	TBD	Common taxonomy for all the WGs
1	D1.1	<ul style="list-style-type: none"> Muslim Elkotob (Vodafone, muslim.elkotob@vodafone.com) 	Technical Report: Guide on Taxonomy of Use Cases for Federated Testbeds covering Verticals, Technologies, and Business Scenarios; Focus on Synergies and Commonalities	TBFxG-O-013	Developing a structured classification of use cases for Federated Testbeds and Assets to cover verticals, scenarios, and capture commonalities in a reference blueprint and highlight differences
	D1.2	<ul style="list-style-type: none"> Muslim Elkotob (Vodafone, muslim.elkotob@vodafone.com) 	Technical Specification: Consolidated Technical Requirement Set for Federated Testbeds Use Cases; Focus on Stakeholders Models (SMEs, ISVs, CSPs, ...)	TBD	Technical requirements for building and running Federated Testbeds use cases coming from all stakeholders and captured together in a common harmonized model
	D1.3	<ul style="list-style-type: none"> Muslim Elkotob (Vodafone, muslim.elkotob@vodafone.com) 	Technical Specification: Use Case Description on Use of Federated Testbeds in Testing Federated Autonomic Management and Control (AMC) Operations by ETSI GANA Components within and Across Multiple 5G Network Operators	TBD	Detailed technical specifications for the Use Case Federated Autonomics in a multi operator scenario using Federated Testbeds and building on the ETSI GANA Multi-layer

WG	Deliverables	Editors	Title of output document	Output Document	Abstract
					Autonomic Architecture reference model
2	D2.1	<ul style="list-style-type: none"> Cédric Crettaz (Mandat International, ccrettaz@mandint.org) Sébastien Ziegler (Mandat International, sziegler@mandint.org) 	Technical Specification: User requirements and reference model for Testbed as a Service	TBFxG-O-004	Present the specific requirements for TaaS with the user's perspective
	D2.2	<ul style="list-style-type: none"> Cédric Crettaz (Mandat International, ccrettaz@mandint.org) Sébastien Ziegler (Mandat International, sziegler@mandint.org) 	Technical Specification: Testbed as a Service API and interoperability specifications	TBFxG-O-005	API dedicated exclusively to TaaS
3	D3.1	<ul style="list-style-type: none"> Ranganai Chaparadza (IPv6 Forum; Capgemini Engineering: ran4chap@yahoo.com; ranganai.chaparadza@capgemini.com) Tayeb Ben Meriem (IPv6 Forum); tay.b52@yahoo.com 	Technical Specification: APIs Definitions on Testbeds Federations, and APIs Invocations Framework	TBFxG-O-008-R1	Specification meant to complement the ongoing ITU-T SG11 study activities related to Testbed Federations and APIs of the SG11's Testbeds Federations Reference Model (Q.4068); APIs Invocations Framework clarifies how Generic APIs invoke Testbed-specific specialized APIs

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	D3.2	<ul style="list-style-type: none"> Ranganai Chaparadza (IPv6 Forum; Capgemini Engineering: ran4chap@yahoo.com; ranganai.chaparadza@capgemini.com) Tayeb Ben Meriem (IPv6 Forum); tay.b52@yahoo.com 	Technical Report: Instantiations of the Testbeds Federations Reference Model, Transformation of existing IMT-2020/5G related Testbeds APIs	TBFxG-O-009-R1	Guiding Illustrations on how Instantiations of the Testbeds Federations Reference Model (Q.4068) should be carried out by the Global Community; including a Guide on How Transformations or Enhancements/Evolutions may be pursued by the global community to make existing IMT-2020/5G related Testbeds APIs fit to the Reference Model and its APIs Invocations Framework
3	D3.3	<ul style="list-style-type: none"> Ranganai Chaparadza (IPv6 Forum; Capgemini Engineering: ran4chap@yahoo.com; ranganai.chaparadza@capgemini.com) Tayeb Ben Meriem (IPv6 Forum); tay.b52@yahoo.com 	Technical Report: Guide on Development and Maintenance of ONPs (Open Networking Platforms) and Federations for IMT-2020/5G & Beyond	TBFxG-O-010-R1	Definition of steps that can be pursued by the Industry towards Developing and Maintaining ONPs (Open Networking Platforms) for IMT-2020/5G & Beyond, and the Use of the Testbeds Federations Reference Model and APIs to build ONPs
3	D3.4	<ul style="list-style-type: none"> Ranganai Chaparadza (IPv6 Forum; Capgemini Engineering: ran4chap@yahoo.com; 	Technical Specification: Definition of KPIs specific to Testbed Federations	TBFxG-O-011-R1	Definition of KPIs specific to Testbed Federations, e.g. Availability, Cost of

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		ranganai.chaparadza@capgemini.com <ul style="list-style-type: none"> Tayeb Ben Meriem (IPv6 Forum); tay.b52@yahoo.com 			providing a Testbed Service, Usability, etc.
3	D3.5	<ul style="list-style-type: none"> Ranganai Chaparadza (IPv6 Forum; Capgemini Engineering: ran4chap@yahoo.com; ranganai.chaparadza@capgemini.com) Tayeb Ben Meriem (IPv6 Forum); tay.b52@yahoo.com 	Technical Report: Use of Open-Source & Open Hardware Projects/Products in Testbed Federations for IMT-2020/5G and Beyond	TBFxG-O-012-R1	Guide on the Use of Open-Source & Open Hardware Projects/Products in Testbed Federations for IMT-2020/5G and Beyond that conform to the SG11's Reference Model for Testbeds Federations and its APIs