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|  | 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 | | | |
| **Contact:** | | Giulio Maggiore Chairman FG-TBFxG | | | Email: [giulio.maggiore@telecomitalia.it](mailto:giulio.maggiore@telecomitalia.it) |

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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** | | | * Muslim Elkotob (Vodafone, [muslim.elkotob@vodafone.com](mailto:muslim.elkotob@vodafone.com)) | | **Technical Specification:** High-Level Taxonomy | | TBD | | Common taxonomy for all the WGs | |
| **1** | **D1.1** | * Muslim Elkotob (Vodafone, [muslim.elkotob@vodafone.com](mailto: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](https://extranet.itu.int/sites/itu-t/focusgroups/tbfxg/output/TBFxG-O-013.docx) | | 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** | * Muslim Elkotob (Vodafone, [muslim.elkotob@vodafone.com](mailto: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** | * Muslim Elkotob (Vodafone, [muslim.elkotob@vodafone.com](mailto: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 Autonomic Architecture reference model | |
| **2** | **D2.1** | * Cédric Crettaz (Mandat International, [ccrettaz@mandint.org](mailto:ccrettaz@mandint.org)) * Sébastien Ziegler (Mandat International, [sziegler@mandint.org](mailto:sziegler@mandint.org)) | | **Technical Specification:** User requirements and reference model for Testbed as a Service | | [TBFxG-O-004](https://extranet.itu.int/sites/itu-t/focusgroups/tbfxg/output/TBFxG-O-004.docx) | | Present the specific requirements for TaaS with the user’s perspective | |
| **D2.2** | * Cédric Crettaz (Mandat International, [ccrettaz@mandint.org](mailto:ccrettaz@mandint.org)) * Sébastien Ziegler (Mandat International, [sziegler@mandint.org](mailto:sziegler@mandint.org)) | | **Technical Specification:** Testbed as a Service API and interoperability specifications | | [TBFxG-O-005](https://extranet.itu.int/sites/itu-t/focusgroups/tbfxg/output/TBFxG-O-005.docx) | | API dedicated exclusively to TaaS | |
| 3 | **D3.1** | * Ranganai Chaparadza (IPv6 Forum; Capgemini Engineering: [ran4chap@yahoo.com](mailto:ran4chap@yahoo.com); [ranganai.chaparadza@capgemini.com](mailto:ranganai.chaparadza@capgemini.com)) * Tayeb Ben Meriem (IPv6 Forum); [tay.b52@yahoo.com](mailto:tay.b52@yahoo.com) | | **Technical Specification**: APIs Definitions on Testbeds Federations, and APIs Invocations Framework | | [TBFxG-O-008-R1](https://extranet.itu.int/sites/itu-t/focusgroups/tbfxg/output/TBFxG-O-008-R1.docx) | | 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 | |
| **D3.2** | * Ranganai Chaparadza (IPv6 Forum; Capgemini Engineering: [ran4chap@yahoo.com](mailto:ran4chap@yahoo.com); [ranganai.chaparadza@capgemini.com](mailto:ranganai.chaparadza@capgemini.com)) * Tayeb Ben Meriem (IPv6 Forum);   [tay.b52@yahoo.com](mailto: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](https://extranet.itu.int/sites/itu-t/focusgroups/tbfxg/output/TBFxG-O-009-R1.docx) | | 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** | * Ranganai Chaparadza (IPv6 Forum; Capgemini Engineering: [ran4chap@yahoo.com](mailto:ran4chap@yahoo.com); [ranganai.chaparadza@capgemini.com](mailto:ranganai.chaparadza@capgemini.com)) * Tayeb Ben Meriem (IPv6 Forum); [tay.b52@yahoo.com](mailto: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](https://extranet.itu.int/sites/itu-t/focusgroups/tbfxg/output/TBFxG-O-010-R1.docx) | | 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** | * Ranganai Chaparadza (IPv6 Forum; Capgemini Engineering: [ran4chap@yahoo.com](mailto:ran4chap@yahoo.com); [ranganai.chaparadza@capgemini.com](mailto:ranganai.chaparadza@capgemini.com)) * Tayeb Ben Meriem (IPv6 Forum); [tay.b52@yahoo.com](mailto:tay.b52@yahoo.com) | | **Technical Specification**: Definition of KPIs specific to Testbed Federations | | [TBFxG-O-011-R1](https://extranet.itu.int/sites/itu-t/focusgroups/tbfxg/output/TBFxG-O-011-R1.docx) | | Definition of KPIs specific to Testbed Federations, e.g. Availability, Cost of providing a Testbed Service, Usability, etc. | |
| 3 | **D3.5** | * Ranganai Chaparadza (IPv6 Forum; Capgemini Engineering: [ran4chap@yahoo.com](mailto:ran4chap@yahoo.com); [ranganai.chaparadza@capgemini.com](mailto:ranganai.chaparadza@capgemini.com)) * Tayeb Ben Meriem (IPv6 Forum); [tay.b52@yahoo.com](mailto: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](https://extranet.itu.int/sites/itu-t/focusgroups/tbfxg/output/TBFxG-O-012-R1.docx) | | 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 | |

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