



**Terms of Reference of the SDG TFS  
as approved by the Director-General on 2 July 2026**

## 1 Scope

SDG TFS defines a framework for the development of a cloud native network controller for high-capacity networks aiming to support future networks beyond 5G. Based on a cloud-native, micro-services architecture, the TeraFlowSDN provides a network automation framework that allows to control and manage multiple underlying network equipment, such as routers, switches, microwave or optical networks. It provides a toolbox for different ETSI groups to experiment with novel network features for flow aggregation, management (service layer), network equipment integration (infrastructure layer), AI/ML-based security, and forensic evidence for multi-tenancy.

TeraFlowSDN aims for interoperability with the code developed by OSG Open Source MANO, SDG OpenSlice and SDG OpenCAPIF, to enable end-to-end experimentation, testing and PoCs for complex telco use cases. SDG TFS will also liaise with 3<sup>rd</sup> party open source projects and seek for collaboration and code reuse.

SDG TFS focuses on TeraFlowSDN software development tasks. Standardisation work, if identified by SDG TFS, will be taken by its members to the appropriate SDO under the appropriate IPR regime.

SDG TFS will liaise with relevant ETSI and external standardisation groups and will aim to provide prompt and regular feedback to those groups which will contribute to accelerate standardisation cycles and improve the quality of the standards in scope.

## 2 Operation

SDG TFS will operate according to Clause 7 of the ETSI Technical Working Procedures with the following precisions:

### **Annual Participation Fee (ETSI TWP Clause 7.4.4)**

SDG TFS Members are not required to pay a participation fee.  
SDG TFS Participants shall pay to ETSI an annual participation fee. Participation fee for the first year is based on the date the SDG TFS Agreement is signed.  
Participation fees are waived in the case of SMEs, Universities, Public Research Bodies and Users and Trade Associations.  
The participation fee may be modified by a decision of the Director-General. The current participation fee is detailed in the ETSI Portal.

### **Individual Contributions (ETSI TWP Clause 7.4.6)**

Individual persons may contribute to the Software or related documentation subject to having signed the SDG Individual Contributor Agreement. Such individuals may also be invited by the SDG Chair to attend meetings of the group.

### **Decision-making in the Software development activity (ETSI TWP Clause 7.7.8)**

Decision-making related to Software development and Software release activities shall be described in the SDG TFS Detailed Working Procedures to be approved at the first SDG Meeting.

### **SDG Budget (ETSI TWP Clause 7.8)**

At the time of creation of the group, no annual budget or costs are anticipated for SDG TFS Members and Participants, beyond the participation fees paid by SDG TFS Participants.

### **Structure of an SDG (ETSI TWP Clause 7.9)**

The SDG TFS internal organisation will be described in the SDG TFS Detailed Working Procedures to be approved at the first SDG Meeting.

### **Access to SDG working documents (ETSI TWP Clause 7.12)**

The SDG TFS plenary contributions are available to Members and Participants in the ETSI Portal  
The software and documentation produced by SDG TFS are publicly available in the ETSI Labs.

### 3 Collaboration with other Bodies

SDG TFS may set up appropriate communication channels with the following groups:

ETSI GROUPS	
<b>ISG ENI</b>	Industry Specification Group - Experiential Networked Intelligence
<b>ISG F5G</b>	Industry Specification Group – 5 <sup>th</sup> Generation Fixed Network
<b>ISG MEC</b>	Industry Specification Group - Multi-access Edge Computing
<b>ISG mWT</b>	Industry Specification Group - millimetre Wave Transmission
<b>ISG NFV</b>	Industry Specification Group - Network Function Virtualisation
<b>ISG PDL</b>	Industry Specification Group - Permissioned Distributed Ledgers
<b>ISG QKD</b>	Industry Specification Group - Quantum Key Distribution
<b>ISG ZSM</b>	Industry Specification Group - Zero touch network & Service Management
<b>OSG OSM</b>	Open Source Group - Open Source MANO
<b>SDG OCF</b>	Software Development Group - OpenCAPIF
<b>SDG OSL</b>	Software Development Group - OpenSlice
<b>TC SAI</b>	Technical Committee - Securing Artificial Intelligence

and others as identified during the progression of the work.

EXTERNAL GROUPS	
<b>EU Funded Research Projects</b>	ACROSS, AI-NET, ALLEGRO, FLEX-SCALE, Hexa-X-II, Int5Gent, OCTAPUS, SEASON
<b>IETF</b>	The Internet Engineering Task Force
<b>ONF</b>	Open Networking Forum
<b>ONOS</b>	Open Network Operating System
<b>LF ODL</b>	Linux Foundation Open Day Light
<b>LF ONAP</b>	Linux Foundation Open Networking Automation Platform
<b>LF CAMARA</b>	Linux Foundation CAMARA
<b>LFE Sylva</b>	Linux Foundation Europe Sylva
<b>TIP</b>	Telecom Infrastructure Project

and others as identified during the progression of the work.

## 4 Licenses

### 4.1 Contributor's License Agreement

Code contributed to SDG TFS is done under terms compliant with the Apache 2.0 license. A Corporate Contributor's License Agreement (CCLA) is included in the SDG TFS Agreement. An Individual Contributor's License Agreement (ICLA) is included in the Individual Contributor Agreement.

### 4.2 Outbound License

Code published by SDG TFS is made available under the Apache 2.0 license. Contributors retain copyright on their individual contribution. Software is distributed under an ETSI Copyright with acknowledgement of contributors' rights on their contributions.

### 4.3 Documentation Copyright

Project documentation, when not covered by the outbound license, is published under the Creative Commons Attribution 4.0 International license (<https://creativecommons.org/licenses/by/4.0/>).

### 4.4 Licensing-in policy

SDG TFS Detailed Working Procedures will define which open source licenses are accepted when Contributors wish to reuse pre-existing open source components.

### 4.5 Trademark

TeraFlowSDN can only be registered as a trademark by ETSI. The trademark TeraFlowSDN may only be used to identify and distribute the version of TeraFlowSDN edited and maintained by ETSI.