



**DECISION OF THE GOVERNING BOARD OF THE SMART NETWORKS AND
SERVICES JOINT UNDERTAKING**

No 01/2025

**Renewing the mandate of the SNS Policy Working Group and of the
5G4CAM Working Group and approving the updated the lists of experts**

THE GOVERNING BOARD,

Having regard to Council Regulation (EU) No 2021/2085 of 19 November 2021 establishing the Joint Undertakings under Horizon Europe and repealing Regulations (EC) No 219/2007, (EU) No 557/2014, (EU) No 558/2014, (EU) No 559/2014, (EU) No 560/2014, (EU) No 561/2014 and (EU) No 642/2014, and in particular Article 17(2)(x);

Having regard to the SNS JU Governing Board (GB) Rules of Procedure, and in particular Article 10;

Having regard to the Terms of Reference of the respective Terms of reference of the SNS JU GB Strategic Working Groups,

WHEREAS

- (1) One of the tasks of the SNS JU GB is to set up, as required, advisory or working groups, in addition to the bodies of the SNS JU, for a determined period of time and to fulfil a specific purpose;
- (2) On 13 November 2023, the GB agreed to set-up two SNS JU GB Strategic Working Groups, namely the SNS Policy Working Group and the 5G for Connected and automated mobility-Deployment Stream (hereafter “5G4CAM”) Working Group, aiming at contributing to shaping clear European policies, including strategies, roadmaps, and recommendations for SNS technological, societal, and industrial competitiveness aspects;
- (3) According to their respective Terms of Reference, the mandate of those two SNS JU Strategic Working Groups should be renewed every year and the appointment of the experts of those Working Groups should be approved by the SNS JU GB;

- (4) A first list of experts was approved by written procedure by the SNS GB on 21/08/2024. However, it appears necessary to receive the approval of the GB on the updated lists of those experts;
- (5) It appears necessary to adopt an updated version of the Terms of Reference of the 5G4CAM Working Group;

HAS ADOPTED THE FOLLOWING DECISION:

Article 1

The Governing Board of SNS JU hereby approves the renewal of the mandate of the SNS Policy Working Group and of the 5G4CAM Working Group for a period of one year.

Article 2

The Governing Board of SNS JU hereby approves the updated lists of experts of the SNS Policy Working Group and of the 5G4CAM Working Group enclosed in Annex to this Decision.

Article 3

The Governing Board of SNS JU hereby approves the amended Terms of Reference of the 5G4CAM Working Group enclosed in Annex to this Decision.

Article 4

This decision shall enter into force on the date of its adoption.

Done at Brussels, on 24 January 2025.

For the Governing Board

Pearse O'Donohue

The Chair

Annexes:

1. Updated list of experts of the SNS Policy Working Group
2. Updated list of experts of the 5G4CAM Working Group
3. Amended Terms of Reference of the 5G4CAM Working Group

5G FOR CONNECTED AND AUTOMATED MOBILITY – DEPLOYMENT STREAM WORKING GROUP

DATE: 13/01/2025

PURPOSE AND SCOPE OF THE GROUP

The 5G for Connected and Automated Mobility (5G4CAM) – Deployment Stream Working Group (WG) provides advice to the SNS JU Governing Board (GB) and contributes guidance towards European Deployment programmes for mobility solutions in various Mobility fields such as roads/automotive, rail, logistics, etc.

In particular its main focus is related to the deployment of solutions for 5G Corridors for CAM across Europe as driven by the CEF Digital Programme¹. This WG will also lead the development and update(s) of the 5G Strategic Deployment Agenda (5G SDA) for the Mobility sector in Europe and support relevant EU industrial initiatives for the automotive and rail sectors as necessary. The WG is supported by the Connecting Europe Facility (CEF) 5G-GUIDE² Coordination and Support Action (CSA) project. The WG will in particular take due account of the advice from the GUIDE Advisory Group, that gathers representatives from European industry associations.

OBJECTIVES

- Provide strategic guidance for EU Deployment programmes coordination and in support of project pipelines building such as the CEF-funded 5G Corridors,
- Develop, update and promote the EU 5G Strategic Deployment Agenda (5G SDA) for road and rail,
- Facilitate broader stakeholder cooperation and best practice sharing through expert consultation sessions, workshops and networking activities,
- Support the EU vision for clean, sustainable Mobility Solutions adhering to the United Nations (UN) Sustainable Development Goals (SDGs)³.

¹ <https://digital-strategy.ec.europa.eu/en/activities/cef-digital>

² <https://www.eurescom.eu/projects/guide/>

³ <https://sdgs.un.org/goals>

ACTIVITIES

- The WG defines its detailed ToR's for the selected study item, using SNS JU steering as appropriate;
- The WG meets on a regular basis to discuss relevant open issues, address action points and agree on the way forward under the leadership of the appointed co-chairs;
- The WG provides the platform for the drafting of the 5G for CAM SDA and delivers SDA drafts for approval by the SNS JU GB;
- The WG engages with the private sector, academia and other stakeholders in order to gather different views.
- The WG collects, processes and spreads relevant information by questionnaires, information meetings, workshops, webinars, etc.
- The WG proposes and stimulates directions for future policies and strategies, based on the above inputs.
- The WG disseminates and promotes some of its key findings in the forms of White Papers, brochures such as roadmaps, reference figures, updates on trials and pilots etc.

GOVERNANCE / OPERATION

GOVERNANCE

The WG is organised under the umbrella of the SNS-JU. The WG is chaired by

1. one person representing the European Commission, i.e., DG-CNECT,
2. one person representing the private sector (6G-IA).

The SNS JU Office shall support the chairs and the activities of the WG and can participate in the meetings.

The co-chairs are appointed by the SNS JU GB. The chair role in the meetings is decided between the co-chairs. The co-chairs roles and responsibilities are:

- To setup ad-hoc sub-groups with relevant experts from the public and private sectors in the fields of mobility, including rail infrastructure managers, road operators and automotive industries, and telecoms. These experts need to be approved by the SNS JU GB,
- To convene and chair Policy WG meetings,

- To ensure that the WG commits to the achievement of the WG objectives and the implementation of activities,
- To update the ToR and the timeplan of the WG and communicate it for approval to the SNS JU GB once per year,
- To coordinate the communication of results with the SNS JU Governing Board, the SNS JU Office, the European Commission and the 6G-IA Office.
- To ensure that decisions of the 5G for CAM WG are followed-through.

PARTICIPATION

The participation to the WG is done by dedicated invitations to experts from the public and private sectors that can contribute in the thematic ad-hoc sub-groups.

To form these groups, the co-chairs create a list of experts and submit for consideration to the SNS JU GB. Upon approval by the SNS JU GB, the co-chairs reach out to the experts and officially invite them to participate in activities of the WG.

The co-chairs and the experts will work together to achieve the abovementioned objectives.

On a case-by-case basis, external experts – i.e. that are not members of this WG (e.g. representatives of industry associations) can be invited to participate in selected meetings and events of the WG.

WG members shall maintain strict confidentiality regarding the information discussed during meetings and related documents.

DECISION MAKING

In all decisions, members (i.e., co-chairs and invited experts) of the WG shall endeavour to reach consensus. In situations where no consensus on a subject can be reached, at least a qualified majority shall be needed for the WG to adopt a position on such subject. Any member not in support of such position shall have the right to have its reservation noted in any such position. A proposal shall be approved when the ratio of positive votes is at least $\frac{2}{3}$ of the votes cast. There is one vote per expert in the WG. Abstentions or failures to submit votes by the specified date shall not count as votes cast. Based on co-chairs advice, specific decisions would need to be agreed unanimously. For those decisions, in case of not able to reach consensus, the decision shall be remitted to the SNS-JU GB for final decision with the chair and co-chair assistance.

Where documents and results of the WG are to be made public, they first need to be presented to, and approved by, the SNS JU GB.

OPERATION

The operation of the 5G4CAM – Deployment Stream WG can be supported by the 5G-GUIDE CSA project with the necessary back-office support. Namely, the following have been defined and are operational for the 5G4CAM – Deployment stream WG:

- An email reflector with the name: tbd
- An online repository, offering storing and online processing (collaborative working) capabilities at the following location: tbd

REPORTS AND REVIEWS

- The WG reports periodically (e.g. twice a year) and on an ad-hoc basis to the SNS JU GB.
- The mandate of the WG will be renewed every year.
- Every year the WG shall provide to the SNS JU GB for approval a Work Plan including a list of topics to be addressed by the WG.
- Activities in the Work Plan are contributions driven.
- The SNS JU GB can take the decision at any moment to revoke membership of specific members from the WG.

RULES OF PROCEDURES

Without prejudice to the present Terms of Reference, the SWG can adopt rules of procedure to ensure that Secretariat-tasks are conducted with the view to support the functions of the two co-Chairs and the activities of the SWG.



SNS JU Policy Strategic WG – List of experts

Updated list- December 2024

Sub-group on 3C coordination/synergies

- From the private side: NOKIA, TIM, Ericsson, DT, Thales, Orange, i2CAT, CTTC Airbus, ATOS, Telefonica, TNO, Cap Gemini, Open Nebula, SAP, Oktawave, LeaseWeb, TELENOR
- From the public side: CNECT E1, E2, E3, E4
- 6G-IA Office: Bernard Barani
- SRG representative
- SNS JU office representatives
- Coordinators of funding programmes (DEP, CEF, IPCEI, etc): CNECT B5, E2 (C3 and D1 if appropriate)
- Representatives from SNS JU's CSAs: SNS Ops
- Other experts who could be invited ad-hoc: Infineon, NXP, CEA, IMEC, Chips JU, Rail JU, Photonics Partnership

Sub-group on standardisation:

- From the private side: NOKIA, TIM, Ericsson, DT, Thales, Orange, i2CAT, CTTC Airbus, Telefonica, CEA, IMEC, TNO, TELENOR
- From the public side: CNECT E1, E2, D3
- 6G-IA Office: Werner Mohr
- SRG representative
- SNS JU office representatives
- Representatives from SNS JU's CSAs: SNS Ice
- Standards Development Organisations (3GPP and/or ETSI)
- Other experts who could be invited ad-hoc

List SNS JU Strategic Working Group - 5G for CAM WG - Deployment Stream

Organisation	Category	Country	Role
DT	MNO	DE	Co-chair
EC - DG CNECT	EU Insitution	BE	Co-chair
SNS JU Office	European Partnership	BE	SNS JU Liaison Officer
Ericsson	Vendor	DE	Member
Cellnex	TowerCo	ES	Member (tbc)
Vantage Towers	TowerCo	DE	Member
Telia	MNO	SE	Member (tbc)
T-Mobile CZ	MNO	CZ	Member (tbc)
Orange BE	MNO	BE	Member
DT	MNO	DE	Member (TBC)
Deutsche Bahn	Rail operator	DE	Member
SNCF	Rail operator	FR	Member
CFL Lu	Rail operator	LU	Member
UIC	Rail - Industry Association	FR	Member
Spravazelezníc	Rail operator	CZ	Member (Tbc)
Autostrada di Brennero	Road operator	IT	Member (tbc)
Detecon	Consultancy	DE	Member
Cosmote	MNO	EL	Member
Vicomtech	R&I Insitute	ES	Member
ESA	Industry Association		Member
BMW	OEM	DE	Member (tbc)
Bosch	OEM	DE	Member
Vodafone	MNO	DE	Member
SBB	Rail operator	CH	Member
5GAA	Industry Association	BE	Member
SNCF	Rail operator	FR	Member
ERTICO	R&I Insitute	BE	Member
Nokia-6GIA	Vendor	FR	Member (tbc)
Trafikverket	Rail and road operator	SE	Member (tbc)
Orange Belgium	MNO	BE	member (tbc)
Stellantis	Industry	ES	Member (tbc)
SN JU Office	European Partnership	BE	SNS JU Office Observer
Nokia-6GIA	Vendor	FR	Observer
6GIA	Industry Association	EL	Observer
6GIA	Industry Association	BE	Observer
DG CNECT		BE	EC Observer
DG CNECT		BE	EC Observer
DG CNECT		BE	EC Observer
i2Cat	R&I Insitute	ES	GUIDE Support
Eurescom	Consultancy	DE	GUIDE Support
GUIDE-6GIA	Consultancy	FR	GUIDE Support

SNS POLICY WORKING GROUP

PURPOSE AND SCOPE OF THE GROUP

1. This Working Group (WG) contributes to shaping clear European policies, including strategies, roadmaps, and recommendations for Smart Networks & Services (SNS) technological, societal, and industrial competitiveness aspects. Its primary purpose is to support the definition of policies that should be implemented in strategic technological, societal, and industrial areas by capturing the priorities and needs of the European Industry, Academia, and other relevant stakeholders in view of providing advice to the SNS JU Governing Board (GB). In that context, it will facilitate dialogues with EU-funded research projects, the SNS JU office, and other European stakeholders to create synergies and work towards common EU policies and goals. In so doing, synergies on areas supported by the SNS Coordination and Support Action (CSA) projects (currently SNS-OPS¹ and SNS-ICE²) will be established.

OBJECTIVES

- Identify the priorities and needs of the European Industry, Academia and relevant stakeholders priorities in view of shaping policies regarding technological, societal and industrial aspects, including (but not limited to) the below domains:
 - Technological sovereignty in key technologies for smart networks and services
 - Challenges and opportunities in the areas of micro-electronics and photonics for 6G networks
 - Open SNS technological solutions and their impact to the ICT ecosystem,
 - AI/ML frameworks for smart networks and services,
 - Cloud and edge technologies and software-defined implementation of the network,
 - 6G security, trust, resilience, and privacy solutions that adhere to EU principles linking the SNS JU to related EU organizations such as ENISA and ECSO.

¹ <https://smart-networks.europa.eu/csa-s/#SNS-OPS>

² <https://smart-networks.europa.eu/csa-s/#SNS-ICE>

- Derive from topic analysis the impact in terms of EU/national R&I framework requirements including cross initiatives coordination (Chip JU, Photonics cPPP, etc.)
- Provide policy expert views to the SNS JU GB, regarding the above-mentioned policies,
- Contribute to the definition/implementation of EU policies and goals (EU Green deal, Cybersecurity policies, SDGs, including environmental, business, and economic sustainability as well as related opportunities and concerns for EU stakeholders and societal aspects (EMF Awareness, technology acceptance, etc.),
- Create a strong knowledge base of experts in Europe on SNS topics assisting in reversing the brain drain,
- Promote the view of the SNS JU regarding certain policies in the appropriate fora.

ACTIVITIES

- The WG defines its detailed ToR's for the selected study item, using SNS JU steering as appropriate;
- The WG will meet on a regular basis to discuss relevant open issues, address action points and agree on the way forward under the leadership of the appointed co-chairs
- The WG collects, processes and spreads relevant information by questionnaires, information meetings, workshops, webinars, etc.
- The working group proposes and stimulates policy options on the basis of the inputs.
- The WG disseminates and promotes some of its key findings in the form of White Papers

GOVERNANCE / OPERATION

GOVERNANCE

2. The WG is organized under the umbrella of the SNS-JU. The WG is chaired by
 1. one person representing the public side: Agustin Diaz-Pinez, Deputy Head of Unit – Future Connectivity Systems, DG-CNECT
 2. one person representing the private side (6G-IA): Alexandros Kaloxylas, Executive Director 6G-IA

3. The co-chairs are appointed by the SNS-JU GB.
3. The chair role in the meetings is decided between the co-chairs. The co-chairs roles and responsibilities are:
 - To setup ad-hoc sub-groups with corresponding experts from the public and private sides. These experts need to be approved by the SNS JU GB,
 - To convene and chair Policy WG meetings,
 - To ensure the achievement of the WG objectives,
 - To update the ToR and the timeplan of the WG and communicate it for approval to the SNS-JU GB once per year,
 - To coordinate the communication of results with the SNS JU Board, the SNS JU Office and the 6G-IA Office
 - To ensure that decisions of the Policy WG are followed-through

Currently there are two subgroups active:

1. 3C (Connected, Collaborative Computing) network
2. Standardization activities

PARTICIPATION

The participation to the WG is done by dedicated invitation to experts that can contribute in the thematic ad-hoc sub-groups. To form these groups, the co-chairs create a list of experts and submit for consideration to the SNS JU GB. Upon approval by the SNS JU GB, the co-chairs reach out to the experts and officially invite them to participate in activities of the WG. The co-chairs and the experts will work together to achieve the abovementioned objectives

DECISION MAKING

In all decisions, members (i.e., co-chairs and invited experts) of the WG shall endeavour to reach consensus. In the situation of not able to reach consensus on a subject, at least qualified majority shall be needed for the WG to have a position on such subject. Any member not in support to such position shall have the right to have its reservation noted in any such position. A proposal shall be approved when the ratio of positive votes is at least 2/3 of the votes cast. There is one vote per expert in the WG. Abstentions or failures to submit votes by the specified date shall not count as votes cast. Based on co-chairs advice, specific decisions would need to be agreed unanimously. For those decisions, in case of not able to reach consensus, the decision shall be remitted to the SNS-JU GB for final decision with the chair and co-chair assistance.

All documents and results of the WG need to be presented to the SNS JU GB and approved by it, before making them public.

OPERATION

The operation of the Policy group can be supported by the operational CSA project (currently SNS OPS) with the necessary back-office support. Namely, the following have been defined and are operational for the Policy WG:

- An email reflector will be setup
- An online repository, offering storing and online processing (collaborative working) capabilities will be setup

REPORTS AND REVIEWS

- The WG reports periodically (twice a year) and on-need basis to the SNS-JU GB.
- The WG may report to the SNS Steering Board on an ad-hoc basis, to facilitate mutual coordination.
- The mandate of the WG will be renewed every year.
- Every year the SNS JU GB will provide a list of topics that have to be addressed in the scope of the WG. The members of the WG shall agree on a Work Plan, to be submitted to the SNS-JU GB for approval.
- Activities in the Work Plan are contributions driven. Lack of / insufficient contributions shall determine the activity cancellation on unanimous decisions of the co-chairs.