FRANCE 6G
INNOVATION TO STANDARD

Instrument of the national strategy on 5G and Future Networks · France 2030

# Innovation to Standard

Shaping the networks of the future: coordinating 6G R&D&I and standardisation across the French ecosystem

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## 6G: the three major X-Native objectives

X-by design for connectivity and service solution designers

**AI-Native** | **NTN-Native** | **Sensing-Native**

## France 6G coordination and support action

Context: 6G is expected around 2030-2040 and the race for **Standard Essential Patents (SEP)** starts now. R&D&I efforts and industrial standardisation activity must be coordinated.

1. **Exchange forum** for 6G R&D&I and industrial standardisation stakeholders, to amplify the impact of EU R&D projects and contributions to standards
2. **Structuring and coordinating** the ecosystem's 6G R&D&I and standardisation actions
3. **Showcase and representation** of French 6G

## Innovation and standardisation

**INNOVATION**

**Three innovation pillars**

- Large companies and technology research institutes
- Innovative SMEs / mid-caps
- Academic laboratories

Standards integration ←

Standards design →

**STANDARDISATION**

**An influence pillar: large industrial groups**

Their standardisation delegates have their own alignment and influence strategies within standardisation bodies

**3GPP standardisation calendar**

Targeted animation to follow and support collaboration around contributions to 6G standards

**European R&D calendar**

Targeted animation on 6G R&D funding calendars, to support European and national collaboration building

## Expert groups and community animation

**G1** 6G, NTN and 3D communications

**G2 & G3** AI, telco cloud, components and equipment

**G4** Cyber and resilience

**G5** 6G sustainability

- **Whitepapers** produced by the expert groups
- **National plenaries** (March, June): R&D, standardisation, 6G spectrum regulation
- **6G referents** in clusters and IRTs: Images et réseaux, Aerospace Valley, Systematic, Cap Digital, Minalogic, Aktantic, b<>com, Saint-Exupéry, SystemX

## Landscapes and technology watch

- **Mapping** of players, R&D projects and standardisation activities, proprietary and open-source platforms
- **Landscapes** of scientific publications and open-source initiatives
- **Technology trends** in 6G standardisation: AI-based analysis, complemented by monitoring of 3GPP, ETSI and ITU working groups
- **Tools**: JU SNS Standardisation Tracker, 6G-IA Pre-standardisation WG, ETSI Technology Radar

## Standardisation awareness

Through several channels, so that the whole ecosystem can access 6G standards and contribute to them

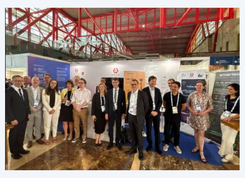
**1 Webinars**
**standardisation delegates**
Exchanges with 3GPP, ETSI and ITU delegates (e.g. NTN-TN, JCAS)

**2 Process guide**
**to access 6G standards**
With France 6G and AFNOR, to navigate standardisation processes

**3 ETSI Learning Hub**
**support for stakeholders**
Help getting started with ETSI training resources

**4 Continuing education**
**on 6G standardisation**
Skills development for ecosystem stakeholders

## International visibility






- **MWC 2026** (March): France 6G keynote, France pavilion
- **EUCNC & 6G Summit** (June 2026): Gold Sponsor
- **Next editions**: MWC 2027, EUCNC 2027 (Ireland)
- **Annual conference**: France 6G showcase

## Agenda 2026

| | |
|---|---|
| **3 Sept** | **Lannion** · Cyber and resilience (G4) · Images et réseaux |
| **6 Oct** | **Paris** · AI & Telco Cloud (G2 & G3) · Systematic |
| **16 Oct** | **Rennes** · 6G sustainability (G5) · IRT b<>com |
| **3 Nov** | **Toulouse** · NTN 6G (G1) · Aerospace Valley, IRT Saint-Exupéry |
| **17 Nov** | **Grenoble** · Components and equipment (G2 & G3) · ASIC, Minalogic |
| **10-11 Dec** | **Paris** · Annual meeting: 4 plenary sessions, poster area |

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National mission under the "5G and future networks technologies" acceleration strategy, France 2030

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