



هيئة الاتصالات والفضاء والتقنية  
Communications, Space &  
Technology Commission

# **CST 2024-2027 Spectrum Outlook**

## **A Policy Meeting Today's Demand with an Eye on Tomorrow's**

**What Comes Next**

**What and Why?**

**Content**

**A Closer Look**

**Diverse Topics**





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## What and Why?

# Policy transparency is the driver

**First cycle  
2021 to 2023**



**Second cycle  
2024 to 2027**



# Policy transparency is the driver

First cycle  
2021 to 2023



Second cycle  
2024 to 2027



The objective is to provide transparency and predictability to all spectrum users in the Kingdom of Saudi Arabia in regards to:

01

## Spectrum pipelines:

What spectrum bands are going to be made available and to which user category

02

## Governing regulations

What upcoming regulatory frameworks and policies will govern spectrum access and usage.



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## Diverse Topics

# Identifying priority areas for the outlook



**New CST Strategy**



**National Developments**



**WRC-23 Results**



**Upcoming WRC-27**

**Local context**

**Global context**

# Identifying priority areas for the outlook



**New CST Strategy**



**National Developments**



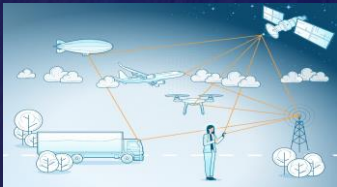
**WRC-23 Results**



**Upcoming WRC-27**

Priority Areas in the new Spectrum Outlook focus on spectrum users who will **need timely access to new spectrum and/or improved spectrum regulations**

**Convergence of terrestrial and NTN communications**



**Drones - beyond-visual line of sight**



**6G**



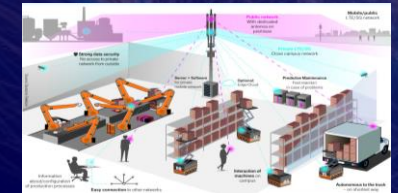
**Advanced Air Mobility**



**FWA**



**Private networks**



# Polishing priority areas through public engagement

## Public Consultation

The Public Consultation started on 9<sup>th</sup> of September and was held for 4 weeks  
- Responses from entities in 15 countries were received.

## Workshop

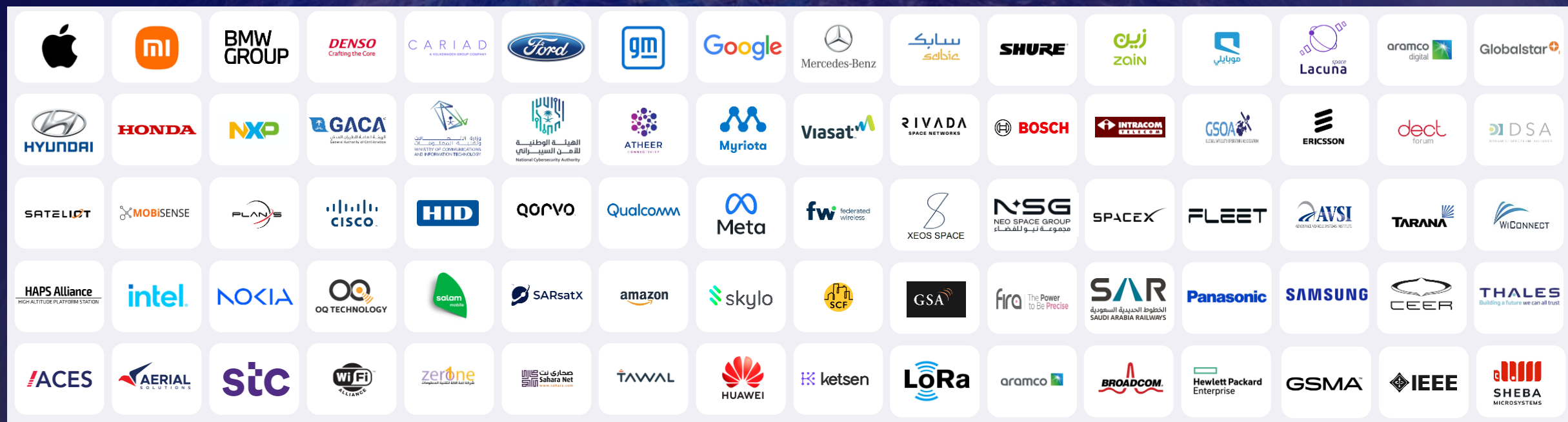
The workshop discussed the priority areas in the spectrum outlook and key directions.

Total Responses: **+70**

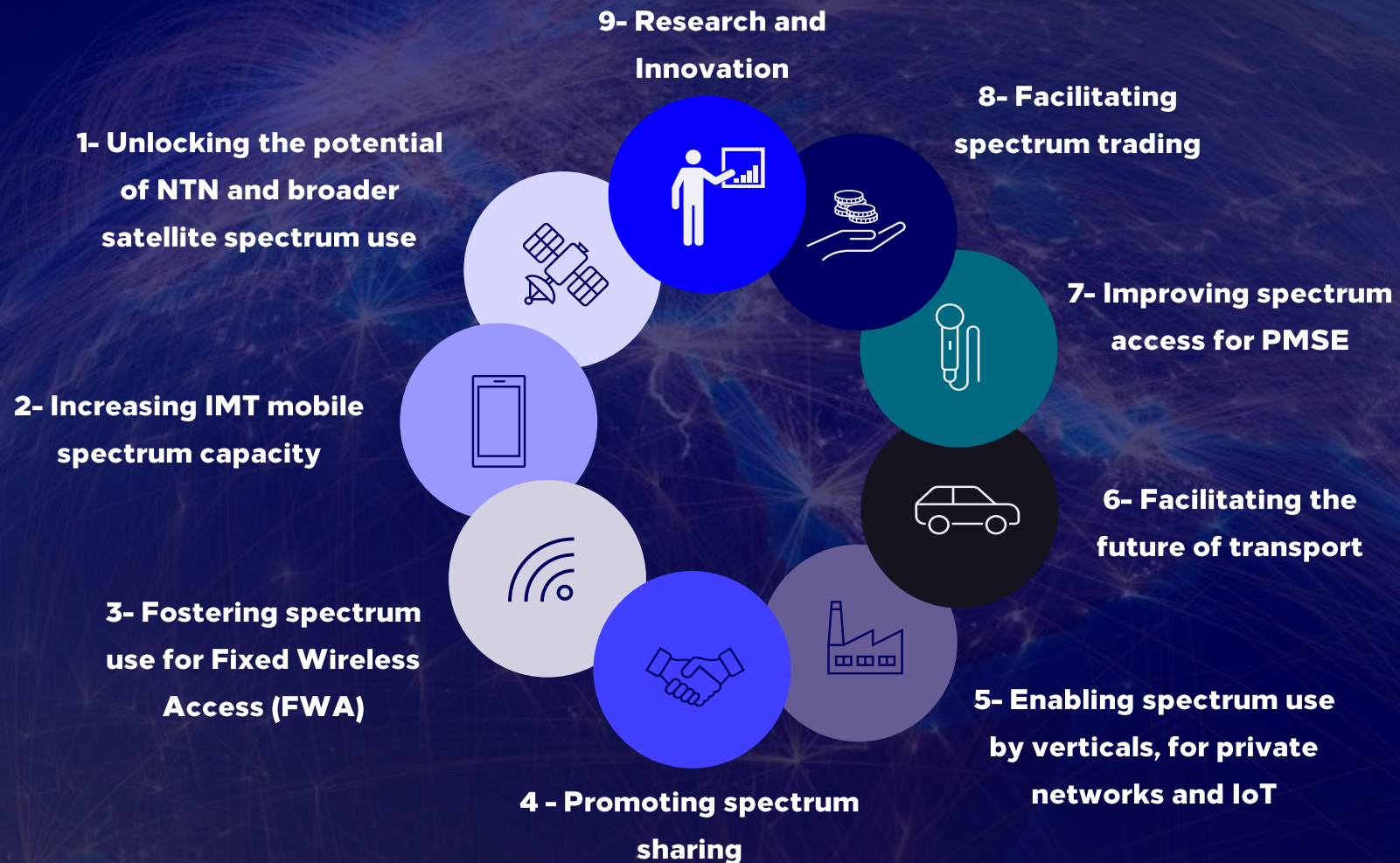
Number of Pages: **+600**

Number of Attendees **+250**

Number of Sessions: **5**



# The final list of priority areas comprises various frequency bands and regulatory frameworks

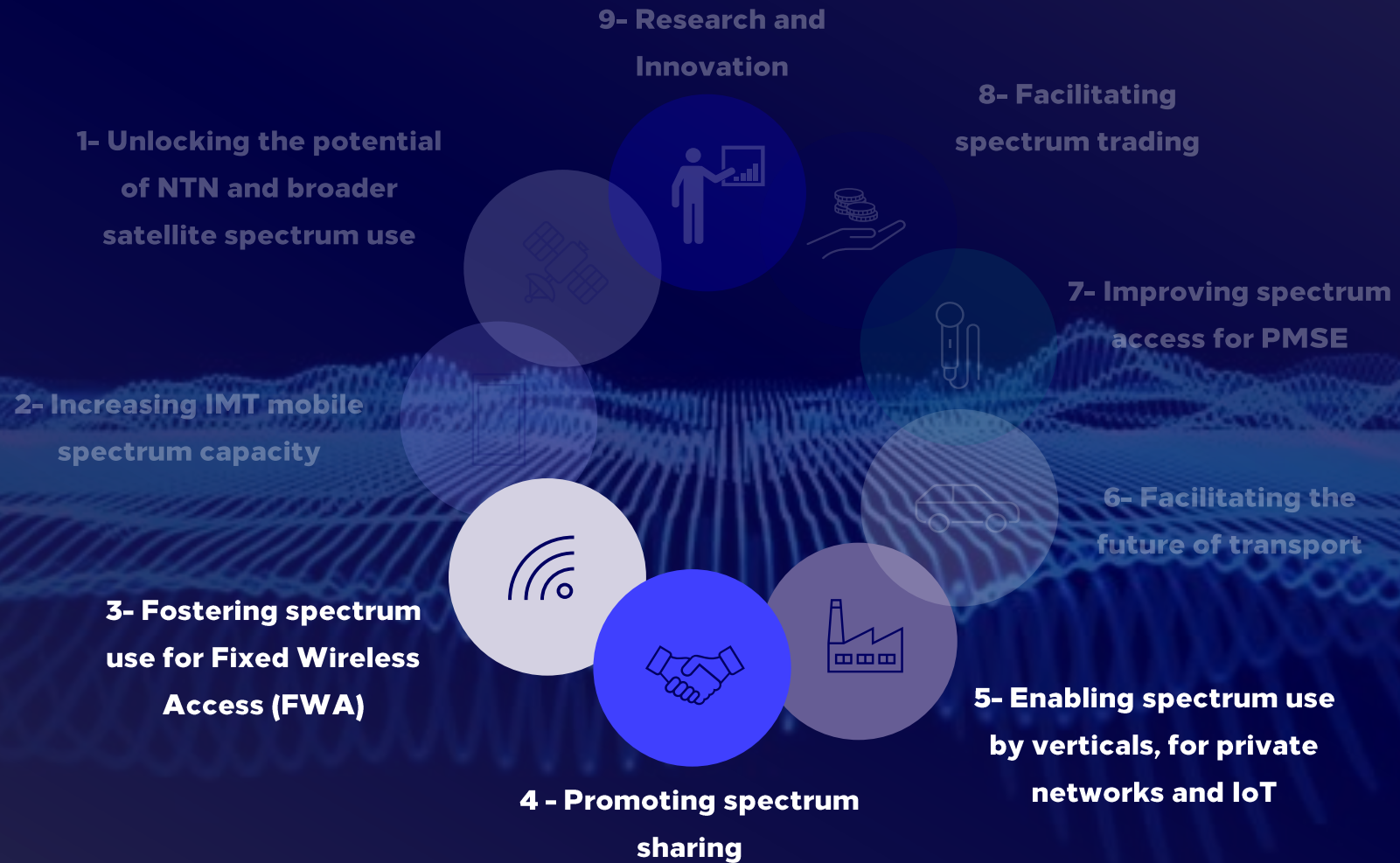




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## A Closer Look

## Some interesting spectrum policy **directions**



**L4 GHz**

4 to 4.2 GHz

**6 GHz**

5.9 to 7.1 GHz

**26 GHz**

24.2 to 27.5 GHz

**60 GHz**

57 to 71 GHz

**Relevant Priority Areas**

- Promoting spectrum sharing
- Enabling spectrum use by verticals

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- Fostering spectrum for FWA

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**What's been done**

Launching light-licensing regulatory framework

- Launching light-licensing framework
- Opening the band for WLAN applications indoor

Clearing the band

Released for WLAN applications indoor

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### What's in the works

Finalizing the regulation annex (2025-2026)

- AFC regulation annex (2025/2026)

- Public consultation to gauge demands (2026)
- Releasing the band (2026/2027)

Releasing the band for outdoor use (license-exempt)



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## What Comes Next



**Tirelessly preparing for WRC-27**



**Monitoring technology and policy developments**



**Tirelessly preparing for WRC-27**



**Monitoring technology and policy developments**

**15 GHz**

14.8 to 15.3 GHz

Home for **next-gen.**  
**private/local networks**

**7 GHz**

7.1 to 8.4 GHz

Launchpad for public **6G**  
**network**



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### **Opportunity**

**Spectrum standardization for public and private/local networks could happen on parallel tracks, resulting in separate spectrum policies.**



**Tirelessly preparing for WRC-27**



**Monitoring technology and policy developments**

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Monitoring unfolding **global**  
**development**

**Opportunity**

Spectrum standardization for public and private/local networks could happen on parallel tracks, resulting in separate spectrum policies.

**Opportunity**

Although our policy has been set, we think the unfolding global debate presents a good learning opportunity

# **A Good Spectrum Policy Is a Transparent Policy**

*That's all, folks. Thank you.*