

WInnForum: Global Perspectives on Spectrum Sharing, London 2025

# **Audio PMSE**

**new sharing scenario in 470 – 694 MHz**

# Sharing after WRC27

**WRC27 resolutions and Radio Regulation changes have been transferred into national telecommunication laws**

- DTT service keeps to be the only primary service in the band 470 - 694 MHz
- WRC27 Radio Regulation Changes permit the allocation of the band to other mobile services and applications.
- Germany has launched a project to allow additional mobile users alongside PMSE.

# **German project – new mobile user**

**German BNetzA carried out sharing studies and concluded for one location.**

**The German official journal / gazette states**

“When operating PMSE radio applications, restrictions may apply in the area listed below in the TV channels of the 470–510 MHz frequency range (which are not used by the broadcasting service there ) due to other allocated frequency uses:

Geographical coordinates (WGS84) 11° 18' 21" East / 47° 58' 59" North with a radius of approx. 23 km.

The above-mentioned frequency range in the listed area remains available for short-term frequency requirements for events. These requirements must be submitted to the Federal Network Agency in good time (see [www.bundesnetzagentur.de/kurzzeit](http://www.bundesnetzagentur.de/kurzzeit)).”

# German project – new mobile user

- Approximately 23 km radius

## Sharing issues / problems / questions:

- The needed operation area has a diameter of 4 km. Why do we have circle of 23 km?
- New systems cannot be detected, are not scannable by PMSE.
- Can we perform reality checks with testing several locations?  
(different distances, indoor, outdoor)
- How many locations will be added – NATO?

