



Nederlandse Belangenvereniging
Draadloze A/V Verbindingen
Programme Making & Special Events

Programme Making & Special Events

Postbus 85391

3508 AJ Utrecht

The Netherlands

tel: +31-30-6382250

e-mail: info@pmse.nl

internet: www.pmse.nl

TO: RSPG secretariat: CNECT-RSPG@ec.europa.eu

CC TO: frequenties@minezk.nl

Reaction on report RSPG21-008 FINAL

Additional spectrum needs and guidance on the fast rollout of future wireless broadband networks

Utrecht, March 25, 2021

From the position of the interest group for wireless industry PMSE.nl we welcome the opportunity to respond this consultation on the RADIO SPECTRUM POLICY GROUP Opinion RSPG21-0068. We like to respond to the consultation with a focus on the consequences that our sector may experience.

Our members want to have safe frequency for use in making programs and special events (cultural productions, radio, television, sports competitions and festivals). These services are internationally called PMSE: Program Making and Special Events. ENG/OB is also used international. The safe use of frequencies and content is of crucial importance to the events sector.

We are interested in private wireless for PMSE use and researching coexistence between PMSE and private wireless for mission-critical networks.

The PMSE sector wants to prevent or limit disruption to our processes as much as possible. We want to operate independently as much as possible and not be dependent on other people's networks. By using our own networks locally, we can better distribute the necessary digital information and keep it stable. We therefore want to be able to use PMSE equipment in this part of the spectrum.

Additional Spectrum and Harmonization Needs

The interest for further spectrum and harmonization needs in the near future is concentrated primarily around upper mid bands and possibly on low bands.

- We want to keep the UHF (470-690 MHz) for broadcasting and PMSE.

- We want LSA possibilities in 2,3 GHz-2,4GHz and possibilities for PMSE use such as video PMSE.
- We think there is enough 4G and 5G space for this moment on commercial IMT.
- We ask you to promote actively innovative spectrum sharing solutions, to ensure greater spectrum efficiency, to enhance flexibility in spectrum access by following the “use-it-or-share-it” principle, and to support the development of spectrum pooling, while highlighting the need to consider the competition aspects in assessing any specific case at hand, multi-tiered spectrum access approach.
- The demand for PMSE frequencies is increasing enormously. Partly due to a decrease in spectrum by 5G. We are against the use of new technologies in the frequencies 470 MHz-690 MHz.

Reflecting to your questions:

A1: What is the interest in your country for 5G in the mm-wave bands (including the 26 GHz band)?

The PMSE sector and Netherlands is interested.

A2: Has there been specific interest for developing next generation wireless broadband systems in harmonised spectrum (licensed or unlicensed) in addition to the 5G pioneer bands (700 MHz, 3.6 GHz and 26 GHz)? In what time frame?

Yes, in combination with business critical or mission critical applications. We would like to offer Private LTE as support services at local and regional level. A more company-critical application is, for example, event systems that ensure that intercom/audio/video/light/automation systems always work, but also company-critical peripherals such as generators/water installations/security/infrastructure/charging stations, etc. Depending on the application, more/less might be needed. to be.

A4: According to the available information in your country, which are the new 5G applications and services (other than broadband mobile) that will drive the demand for additional spectrum in the near future, and in which particular bands (including mmwave)?

We are expecting PMSE use and for mission-critical networks

A8. In the long term, do you see additional spectrum and harmonisation needs for 5G / wireless broadband, and in which particular range of spectrum (low/mid/high)?

The PMSE-industry has market specific interest for developing next generation wireless broadband systems in harmonised spectrum (licensed or unlicensed) in addition to the 5G pioneer bands (700 MHz, 3.6 GHz and 26 GHz). We are researching getting signals for program making and special events (video-audio-data-intercom). For this moment we see 5G as technic and not as a marketing issue from a telecom provider. We want to be in depended from commercial providers and make our own local area network (LAN).

After implementation of public IMT we would still like to use our developed data applications in the band parts 700MHz, 3400 - 3450 MHz and 3750 - 3800. These applications are an extension of the LTE application in the mobile industry.

Yours faithfully,

Mr B.W. Westermann

President of PMSE.NL

Representing our members:

Ampco Flashlight, Utrecht
Audio Electronics Mattijsen BV, Duivendrecht
Audio XL, Utrecht
Broadcast Rental bv, Hilversum
De Herrieboerderij, Duivendrecht
Facility House, Hilversum
Focus Amsterdam, Amsterdam
H.F. Prints, Lelystad
Hoens Broadcast Facilities B.V., Loosdrecht
Iemke Roos Audio BV, Amsterdam
Monacor Nederland BV, Malden
Nederlandse Associatie voor Podiumkunsten, Amsterdam
NOS, Hilversum
Noyz Boyz Advanced Audio Services BV, Amsterdam
Nederlandse Publieke Omroep, Hilversum
NEP Worldwide, Hilversum
O.L.O.N., Nijmegen
Plaisier Sound Productions, Alblasterdam
R.F. Systems, 's Gravenhage
RForce, Sint-Oedenrode
RTL Nederland Nederland B.V., Hilversum
Ruad Audiovisual Solutions, Diemen
Sennheiser Nederland BV, Almere
Show Rental, Hilversum
Shure Distribution Nederland b.v., Culemborg
Smid Beeld en Geluidstechniek, Hoogezand-Sappemeer
Stadsschouwburg Amsterdam, Amsterdam
Stichting Nationale Opera & Ballet, Amsterdam
Stichting ROOS, Hilversum
Talpa B.V., Laren
Theater & Congrescentrum De Flint, Amersfoort
United, Hilversum
Van Rossum Facilities, Nieuw-Vennep
Vereniging van Vrije Theater Producenten, Almere
VNPF, Amsterdam
VPT, Amsterdam
VSCD, Amsterdam
VVEM, Gorinchem
WG Theatertechniek, Rotterdam