



National Defence

Défense nationale

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2763-0 (DND FSM)

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Senior Director  
Spectrum Planning and Engineering  
Engineering, Planning and Standards Branch  
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235 Queen Street  
Ottawa, Ontario K1A 0H5

DEPARTMENT OF NATIONAL DEFENCE COMMENTS ON SMSE-019-17

Refs: A. ISED Consultation on the Technical, Policy and Licensing Framework for Wireless Microphones SMSE-019-17 November 2017

B. NATO Contribution to CEPT WGFM SE7 18 September 2017

1. My section has reviewed SMSE-019-17 with interest and appreciates the opportunity to exchange information. We have the following comments regarding the consideration of the use of wireless microphones within the 960-1164 MHz frequency range:

- a. DND is currently engaged, through NATO, in current European consultations (CEPT FMWG SE7) on the same subject;
- b. As noted in the consultation, other than also using the aeronautical radionavigation service, DND has an authorization to use the military communication system Joint Tactical Information Distribution System (JTIDS) on non-interference basis. JTIDS is also referred to as Link 16;
- c. JTIDS is a very important Situational Awareness tool for many platforms of the Canadian Armed Forces with its current use in various Navy, Air Force and Army platforms, as well as future massive investments with expansion of Ground Entry Stations throughout Canada;
- d. JTIDS is also a system operated by some 40 other allied countries (more than just NATO) with which Canada needs to keep interoperability for current and future foreign deployments; and
- e. As a member of the Link16 Spectrum Multinational Working Group (MNWG), DND contributed to ref B (enclosed) as an input to NATO for their participation in the consultations at CEPT SE7. This letter outlines the serious concerns that NATO has regarding the introduction of PMSE into the 960-1164 MHz band.

2. DND's current use of this band is extensive and major expansion planned for the future. DND believes that wireless microphones would not show compatibility with systems in the 960-1164 MHz band and would cause and suffer interference to and from aeronautical radionavigation services as well as from JTIDS.

3. All questions can be directed to myself or to Mr. Mario Lavoie at 343-291-3822 or [mario.lavoie2@forces.gc.ca](mailto:mario.lavoie2@forces.gc.ca).

Yours truly,



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