

CC V&C

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27 June 2024



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■ Belgian MoD at STCE Annual Meeting



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■ Belgian MoD - RCS

A short introduction

Representation of the Belgian MoD

- Today, BEL MoD is represented twice:
 - Meteo Wing
 - Who have a long-standing cooperation with IRM/KMI (PECASUS)
 - Here represented by SLT Emilien Juckler
 - Radio Communications Services (RCS)
 - Other Mil users of the ionosphere have interests in different aspects of the scientific field
 - This is my interest as the engineering section of RCS



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■ BEL MoD involvement with iono

- HF communication
 - Naval / Land / Air
 - Local HF cells in tactical situations
 - Strategic backlink to home territory
 - HF is dead



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BEL MoD involvement with iono

- HF communication
 - Naval / Land / Air
 - Local HF cells in tactical situations
 - Strategic backlink to home territory
 - HF is was dead
 - HF is used as a fallback for SATCOM
- SATCOM
 - Naval / Land / Air
 - Strategic backlink to home territory
- GNSS
- Aviation safety



RCS: what does our subdepartment do?

- We support the hardware for:
 - HF communications for the Navy
 - Radio communications for commercial shipping and other interested parties
 - Emergency radio systems over HF and VHF for coast and the inland waterways
- Maintenance and development of patrimonium of radios, antennas, .
- Internal center of expertise on antennas, fixed-site radio, propagation
 - Regrettably, I am today one of the very few people within MoD who can clearly explain about HF propagation (and its relation SWx)
 - Intention to rebuild practical knowhow

Thanks to
STCE



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■ Where STCE and RCS connect

Where we connect

- BEL MoD once more becomes a distinctive professional user of HF
- BEL MoD is a distinctive user of SATCOM
- Military knowhow on HF/iono and SWx has eroded
 - Should be rebuilt internally
 - For this, adequately trained personnel is necessary
- STCE has proven on many occasions to be an approachable and invaluable partner in this restoration of theoretical knowledge



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Where we connect

- STCE offers valuable and relevant courses:
 - SWIC (Space Weather Introductory Course)
 - Space Weather Impacts on Ionospheric wave propagation: focus on GNSS/HF
- STCE offers valuable and relevant services:
 - Everything in the frame of PECASUS (for Meteo Wing)
 - Space weather dashboard



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■ Thank you for your attention!