



NATO Allied Command Transformation

Joint Force Development Experimentation & Wargaming Branch 2023 Fact Sheet – NATO 5G Use Cases Part II

- Background:** The 5G technologies, with its ability to provide massive machine interface, ultra reliability and low-latency, have the potential to provide additive capabilities to current and future NATO CIS infrastructure. Those capabilities could be useful in enabling NATO forces to be aware, agile, networked, and lethal in future engagement. Also, in terms of military implications, the 5G technology could enhance sustainment, command and control, projection of forces, increase responsiveness to inform decision makers and prepare forces for operations. These characteristics in future networks will support the achieving of the “cross domain command” Warfare Development Imperative and specifically the innovation aspects of the NATO Command Network Project. In 2022, the use case of Augment Reality/Virtual Reality (AR/VR) has been conducted to inform the SATCOM and Deployable Communications and Information System capability. In 2023, further use cases potentially supporting medical and deployed HQ scenarios will be looked at.
- Aim:** The objective is to continue the assessment of 5G through additional use cases (2022 experiment focused on AR/VR, 2023 focused on deployed HQ and medical). The aim also is to use enhanced forward presence forces in their particular base, together with 5G testbed equipment and specialized software to validate those use cases.
- WDI:** NATO 5G Use Cases aligns under Allied Command Transformation Warfare Development Imperative (WDI) - Cross Domain Command.
- Category:** Experiment in Operations
- Sponsors:** NATO Allied Command Transformation; Capability Development; Communications and Information Services
- Headquarters:** NATO Allied Command Transformation; Joint Force Development Directorate; Experimentation & Wargaming Branch
- EWB:** JFD EWB delivers transformation to the Alliance through the conduct of experiments and wargames. Visit www.act.nato.int/ewb-pressroom for more information, or visit us online at the CDE365 Website located on [NATO's Transformation Network](#).
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