



Photo: Bundeswehr

Alongside the fighter jets, air policing had air force reconnaissance units stationed in Estonia, which monitored air traffic all the way into Russia. Depicted is the setup of the antenna.

Air Force Interception System for Air Force operations support and replaces older system components. This technology allows the experts of the EW battalion to provide German Air Force forces deployed to the Baltic as part of NATO's Air Policing mission with a more informative operational picture right on site. Hence, military decision-makers have at their disposal even more comprehensive information on possible changes in the situation.

The LwErfTrp system was successfully employed as part of ENHANCED BALTIC AIR POLICING (VAPB 2014, 2015, 2016 and VAPB 2018/2019) and relocated to Germany in April 2019. This was the fourth time that the Electronic Support Measures Task Force (ESM-TF), provided by the EW Battalion 912, contributed to successful mission performance, rendering valuable support to early warning and force protection capabilities. The Air Force considers support

by the LwErfTrp for their operations to be indispensable and without alternative. With regard to the upcoming deployment to VAPB 2020/2021, U5.1 will need to conceive and implement further improvements to the LwErfTrp by mid-2020.

U7.4 Coherent Architecture: Groundwork for Digitalizing Bundeswehr Health Care

In early 2017 the Federal Ministry of Defense set up a task force under the direction of the Armed Forces Staff division II to coordinate the varied and complex IT projects concerning Bundeswehr health care. On behalf of this task force BAAINBw has joined forces with the Bundeswehr Medical Service Headquarter (KdoSanDstBw) and Bundeswehr IT company BWI to interweave all the loose ends of those projects into one coherent project: "Digital Transformation of Bundeswehr Health Care (DigitGesVersBw)". This will provide the groundwork for a modern, future-proof and sustainable IT system for Bundeswehr health care. As a first step, the DigitGesVersBw project will set up a holistic process-based

architecture by late 2020. This will lay the foundation for future-proof digitalized health care in the Bundeswehr harnessing all opportunities of current information technology.

The project aims to map the highly complex overall Bundeswehr health care system with its operational requirements and legacy IT landscape in line with the NATO Architecture Framework for architecture building. This ambitious approach requires close cooperation between the actors involved, i.e. BAAINBw, KdoSanDstBw and BWI.

In essence, the DigitGesVersBw project controls the fields "Operational Architecture" and "IT System Architecture". In addition, all ongoing individual initiatives, projects and solutions as well as those just about to kick off will be integrated into the field "Ongoing Infrastructure Projects & Operation".

A survey into the existing processes at Bundeswehr hospitals, regional medical treatment facilities, supervisory centers for public law tasks of the Bundeswehr Medical Service, health care during operations, as well as department B of the Bundeswehr Institute of Preventive Medicine has already been completed.

All pending surveys, e.g. at the central institutes of the Bundeswehr Medical Service, will be completed by mid-2020.

At the same time, there have been significant advances in key infrastructure projects. To mention two examples: Last year, all Bundeswehr hospitals and the Bundeswehr Medical Academy were provided with MedSAN, a storage area network for medical data. In addition, patient beds in the Bundeswehr hospitals are now equipped with multifunctional terminals.

By now, the holistic approach to architecture is starting to bear fruit, proving its worth as a nucleus for further and bigger tasks.

When it comes to the digital transformation of Bundeswehr health care, we pursue the following long-term objectives:

1. Implementing the Bundeswehr electronic health record (eGABw) – A comprehensive individual medical record held by the employer that will include all health records maintained today by unit physicians, medical specialists, and Bundeswehr hospitals.

2. Providing digital situation pictures of Bundeswehr health care – These are the modern prerequisite for the evidence-driven command and control of Bundeswehr health care.

3. Relieving some of the strain on staff and patients by making data available without media disruptions, and supporting them in handling their daily workload.

4. Adding value for patients by offering a digital patient case file, with patients having full control of its contents.

In order to achieve these objectives, a joint data information and exchange platform is a key prerequisite. This platform, a digital database called Health Information Management System (HIMS), will be covered by a first high-priority implementation project based on the Bundeswehr health care architecture. HIMS will be implemented first and foremost in line with the SASPF program strategy and the HERKULES follow-on project.

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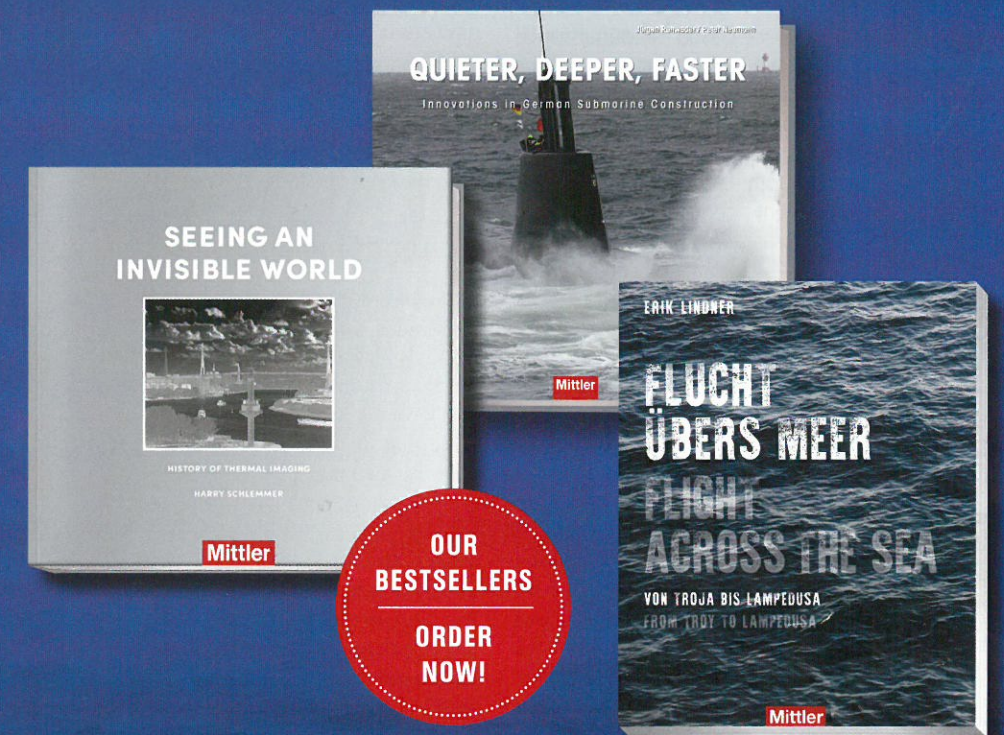
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