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Czech Air Force sees benefits of new generation SEER Radar Warning Receiver

SELEX Galileo's new generation SEER Radar Warning Receiver (RWR) was recently tested with the Czech Republic Air Force. Results show that SEER had demonstrated extremely high sensitivity and accuracy compared to previous generation systems, performing as promised and fulfilling the expectations of the Air Force.

Beatrice Nicholas, Senior Vice President of the Electronic Warfare business said "SELEX Galileo's commitment to sustained and extensive investment in research and development has led to a number of advanced Electronic Warfare offerings such as SEER. These trials have shown that SEER is not only latest generation technology, but the next step change in RWR performance."

For the trials, the Czech Air Force outfitted an L159 fast-jet aircraft with SEER Distributed (the RWR also comes in a Compact variant). A series of airborne flight demonstrations were then carried out to measure the sensitivity, accuracy and threat recognition capabilities of the system. The results demonstrated a dramatic improvement in performance over older generation RWRs, detecting radar signals at far greater ranges and with far greater positional accuracy.

The SEER RWR helps aircraft detect and evade threats including missiles and enemy fighters. The system improves the survivability of aircraft and increases the probability of mission success.

The SEER family of fully digital Radar Warning Receivers, including SEER Compact and SEER Distributed, has been developed as a low risk upgrade to existing systems. It has recently been trialled by the Royal Malaysian Air Force on its Hawk with considerable success.

Notes to editors:

SEER Distributed employs a number of small remote receiver units that measure the digital parameters of signals and pass these across conventional digital interfaces, such as ethernet, to a small central processing unit.

Of special note is SEER's advanced signal analysis tool. This allows the system to record and investigate the signals it detects, allowing for a library of signals to be built up and recognised on later flights. It was noted by the Czech Air Force that the data collected by SEER was of high enough fidelity to make the RWR a valuable Electronic Support Measures (ESM) tool.

SEER is a cost effective, low risk solution for applications across the radar warning and ESM spectrum.

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