

FUTURE FORCES CONFERENCE

Future Air Force Panel – New Generation Aircraft 2022

Overview

NATO members are confronting the new reality that era of uncontested airspace is ending. Czech Air Force, like many other NATO Air Forces, consisting of fourth-generation aircraft, might face the insurmountable problem of having to survive in a highly lethal air-defense environment, while attempting to strike critical targets in future multidomain operations.

Threats to Western freedom of access to the air domain include, but are not limited to, advanced integrated air defense systems, adversary fifth-generation combat air systems and advanced precision strike capabilities which threaten airbases and maintenance hubs. There is, therefore, a collective defense imperative for NATO air forces to maintain or in some cases regain credible warfighting capabilities against modern state-based threats.

Acquisition of the new aircraft is no doubt both militarily and technologically most important and challenging defense project for the Czech MoD. We must see the new aircraft not only as a platform but rather as a system. New generation aircraft must be able to operate in future multidomain operations and will become a part of the new concept of Future Combat Air System (FCAS).

This conference will serve as a platform where all key stakeholders – users, defense industry and academia – will meet and will have a chance to address complexity of the acquisition process, as well as to introduce the new aircraft systems to the Czech Air Force. Therefore, all stakeholders will have a chance to actively participate and present their point of view within all planned panels.

CONFERENCE PROGRAMME

1st PART, HOTEL DAP PRAGUE

Wednesday 27 April

18.30 Icebreaker – Club Restaurant, Hotel DAP Prague (by invitation only)
Hosted by SAAB

Thursday 28 April

08.30 Registration & Coffee

09.00 Opening Remarks – Commander of the Czech Air Force

09.15 SESSION ONE – Contribution of the new generation aircraft to NATO Air Power

MAIN TOPICS

- Fifth generation aircraft, changing the face of the air warfare
- Air Power – key instrument of supporting national and NATO's core tasks and political objectives
- Interdependencies among warfighting domains and challenges for the Air Power to affect other domains
- Dependence of the Air Power on the future networked environment
- Correct balanced between investment in developing new generation aircraft capabilities and national ambitions

KEYNOTE SPEAKER

MG James R. KRIESEL – Acting Chief of Staff, United States Air Forces in Europe—Air Forces Africa

SPEAKERS

- **MG Ivo STŘECHA** – Director of the Force Development Division, MoD Czech Republic
- **COL Dennis HEDSTRÖM** – Chief of the Swedish Air Force Staff
- **Rickard ÖRNHAGEN** – Deputy Chief Gripen Test Pilot, SAAB Aeronautics: Gripen – Unique Warfighting Capabilities Beyond Generations
- **GEN (Ret.) Gary NORTH** – Vice President for Customer Requirements, Lockheed Martin Aeronautics: F-35: The Centerpiece of 21st Century Security

Panel discussion moderated by Dr. Kristina SOUKUPOVÁ – Director of the NATO DefSec Innovation Hub

11.00 Lunch Break

12.15 **SESSION TWO** – Next generation aircraft as a quarterback and force multiplier of modern air warfare – Challenges and risk

MAIN TOPICS

- Challenges and risk for integrating of the new generation platform into national mission network
- How industry can help to government realize their operational and tactical vision of the future air power
- Innovative reinventing DOTMPLI concept required by introducing the new generation aircraft into Air Force structure
- Creation of common communication architecture and secure network, key factor of the ability to integrate wide range of sensors, computers, and networks

SPEAKERS

- **LTC Mirko MOEHLE** – German Air Force Command NGWS/FCAS – VTC (followed by Q&A)
- **LTC Rafael ICHASO** – JAPCC – Countering the A2/AD systems and 5th generation fighter capabilities and the importance of the Air Force in future multi-domain operations
- **COL Martin BULKA** – University of Defence, Czech Republic
- **COL Peter J. S. LEE** – USAF NATO AIRCOM F-35 Ops
- **LTC Juergen WELSCH** – JAPCC – Future air combat environment and systems that will affect the requirements on the future tactical platforms, implementation to armaments such as AFCS, System of Systems, Netcentric Warfare, Combat Cloud and Multi Domain Operations

Panel discussion moderated by MG (Ret.) Bohuslav DVOŘÁK

15.00 Closing remarks

15.15 Networking and discussion

As of 25 April 2022. Subject to change.

Organizer



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