PEO Rotary Wing Next Gen Cockpit

20-21 September 2016

PEO-RW, in conjunction with the Technology Applications Program Office (TAPO) and Systems Integration Management Office (SIMO), assembled technical experts from Government Labs, program offices, SOF users, and industry to explore the realm of the possible for achieving the next generation cockpit/aircraft avionics architecture for SOF helicopters.

Event Outcomes

Topics included advancements in FACE/open systems architecture standards, large format touch screen displays, heads up displays, leveraging existing multi-service cockpit efforts on platforms like the P-8, the F-35, the AH-64, and commercial aviation; and processes for evaluating/reducing aircrew workload.

Over the two days, we had the right industry experts (~30) and government representatives (~30) including strong representation from SIMO and TAPO, PEO's FW and C4, the Joint Multi-role (JMR) S&T effort from AATD, the Future Vertical Lift (FVL) program office from Huntsville, and our airworthiness authority (AED). Believe this is a first in a series of bridging efforts to help us transition existing or maturing technologies into our current avionics architecture (CAAS) or generate better requirements for either continued evolution of CAAS or a new future system. This effort also keeps us in tune with FVL.

Overall, we achieved our objectives thanks to some detailed preparation from the SIMO-RW-TAPO Team. This effort helped our Team and industry better understand the curren technology and JMR/FVL environments, build stronger relationships, and specifically inform S&T efforts and decisions points in FY17 (including near term combat evaluations, IRAD investments, etc.). The information gained also helps us plan baseline mission processor RDT&E funds in the FY18 budget, POM19-23, and beyond.