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EU HYDEF Project Achieves Significant Milestone with Successful Mission Definition Review

The “European Hypersonic Defence Interceptor” (EU HYDEF) is a project co-funded by the European Union, under the European Defence Fund, and Belgium, Germany, Norway, Poland and Spain. OCCAR has been entrusted the management of the EU HYDEF project by the European Commission (EC) and the Participating States.

Between August 27 and 28, 2024, EU HYDEF project has successfully achieved its second major technical milestone – the **Mission Definition Review (MDR)**, entering then into the next Phase of the project. The event took place in the facilities of the beneficiary Nammo in Raufoss (Norway).

The MDR and its related documentation package entailed a comprehensive evaluation of operational concepts, capabilities, and performance of the interceptor options developed thus far. The consortium provided detailed analyses of user and mission requirements, a thorough investigation of potential threats, identification of necessary weapon and sensor systems, and a high-level system model.

A key aspect of the MDR was to verify the proposed system architecture against established requirements within the constraints of available resources. The consortium demonstrated that the high-level system architecture and specifications are feasible and achievable by the target date of 2035.

The successful completion of the MDR is a testament to the consortium's technical expertise and collaborative spirit. It brings the EU HYDEF project one step closer to realizing its goal of safeguarding European airspace against the evolving threat landscape.

The MDR was conducted under the management of OCCAR HYDEF PD and with the active participation of the complete HYDEF consortium, led by SMS for project management and Diehl Defence for technical leadership. Notably, HYDEF Participating States attended and participated actively in this crucial milestone. Their positive feedback and endorsement underscore the project's significant progress and alignment with European Defence objectives.

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Figure 0-1. Participants in the HYDEF Mission Definition Review (MDR)

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