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Abstract title:

HWIL Weapon System Simulations at the U.S. Army Aviation and Missile Command
(USAAMCOM)

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Abstract:

The AMCOM MRDEC Advanced Simulation Center (ASC) employs a variety of Hardware-in-the-Loop (HWIL) simulations to assess weapon system hardware, software, interfaces, and simulations. This paper will describe and highlight the advancements made by the ASC HWIL over the past year. This paper highlights the advancements and progress in areas such as EO-IR and RF scene generation, dual mode simulator, distributed HWIL, simulations, missile integration activities, and future plans and activities.

Keywords:

HWIL, EO-IR, RF, Projection, Scene Generation