AHS PRESENTS

“The JMR Technology Demonstration Status and its Underpinning Design Evolution”

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Recent study findings concluded that the DoD rotary wing aviation fleet is aging and upgrades to current fleet aircraft will not provide the capabilities required for future operations. The current fleet of DoD rotorcraft cannot continue to be incrementally improved to meet future operational requirements.

Significant improvement in vertical lift, range, speed, payload, survivability, reliability, and reduced logistical footprint are all required to meet future needs and can only be achieved through the application of new technologies and designs. Operational costs must be reduced to a fraction of those for the current fleet.

The JMR TD Phase 1 effort will address technical risk associated with achieving next-generation (FVL medium class) vertical take-off and landing (VTOL) flight performance that greatly surpasses the DoD’s currently fielded VTOL fleet, along with aircraft cost, reliability and sustainability. To achieve these capabilities, aircraft designers will need to investigate configurations, technologies and utility aircraft size not common with the current fleet.

These alternatives possess inherent technical challenges and uncertainties that must be overcome through innovative, efficient, affordable solutions, and matured to the level where they can be incorporated into a future program of record.

Where: NASA Ames Conference Center (Building 3) Ballroom
http://naccenter.arc.nasa.gov/
When: February 27th, 2013 at 6 p.m.
Light refreshments served starting at 5 p.m.