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MODERNIZATION

Ensuring equipment, facilities, and processes are modern, deployable, sustainable, and interoperable

- ★ Balance funding today's training and deployment requirements with modernization and recapitalization needs to ensure tomorrow's advantage.
- ★ Invest in key capabilities and facilities through sustained and predictable budgets.
- ★ Maintain interoperable systems and equipment for both combat and homeland response.
- ★ Find innovative organizational solutions to meet future challenges, increase national resilience, and seamlessly integrate with the Joint Force.

FACILITY RESTORATION

- ▶ More than one-half of Army National Guard facilities are classified as “poor or failing”.
- ▶ Funding reductions impact ARNG’s operations, training, and safety.

ENVIRONMENTAL CHALLENGES

- ▶ Modernizing facilities and infrastructure to meet the demands of today’s Guard force.
- ▶ After 30 years, OSD Policy removed NG from receiving Defense Environmental Restoration Program (DERP) funds.
- ▶ National Guard forced to use O&M funds for site clean-up -- compromising mission and readiness.
- ▶ Without full access, NG lacks equal DOD Service parity to address hazards.

FACILITY SUSTAINMENT AND RESTORATION

- ▶ More than one-half of Army National Guard facilities are classified as “poor or failing”.
- ▶ Funding reductions impact Army Guard’s operations, training, and safety.

ARMY GUARD MODERNIZATION

UH-60V BLACK HAWK

- ▶ **The Army Guard received its first modernized UH-60V Black Hawk at the Eastern ARNG Aviation Training Site in Annville, Pennsylvania.**
 - The UH-60V is a recapitalized UH-60L that incorporates a digital glass cockpit that increases aircrew situational awareness, enhances navigation, improves safety, and prepares the helicopter for multi-domain operations.
 - The UH-60V is the first aircraft to implement Modular Open Systems Architecture, a critical element of the Future Vertical Lift “Eco-System”.

AH-64E APACHE

- ▶ **South Carolina 1st 151st Attack Reconnaissance Battalion received the first AH-64E Apaches in 2022.**

JOINT LIGHT TACTICAL VEHICLE -- JLTV

- ▶ **The 19th Special Forces Group was the first National Guard unit in the nation to get the Joint Light Tactical Vehicle. The Guard’s 20th SFG will receive the JLTV in 2022.**

FAMILY OF MEDIUM TACTICAL VEHICLES -- FMTVs

- ▶ **Florida’s 81st Stryker Brigade Combat Team received the newest A2 Family of Medium Tactical Vehicles models in 2022.**

PALADIN 109A7 ARTILLERY SYSTEM

- ▶ **North Carolina’s 30th Armored Brigade Combat Team (ABCT) received the Paladin 109A7.**
- ▶ **Minnesota’s 1st ABCT and Tennessee’s 278th ABCT is scheduled to receive the same Paladin artillery system in FY2023.**

AIR GUARD MODERNIZATION

- ▶ The Utah Air National Guard's 151st Air Refueling Wing upgraded the first KC-135 in the Air Force inventory with NATO-Standard Link 16 communication capabilities as part of its Real-Time Information in the Cockpit (RTIC) system, revolutionizing the tanker's role in combat.
- ▶ Want to know how many aircraft tires or satellites are in the Air Force's inventory? The Integrated Logistics System – Supply or ILS-S has the answer. ILS-S is a modern Logistics Information Technology (LogIT) Defense Business System that supports active-duty Air Force, Air National Guard and Air Force Reserve operations.
- ▶ The Air National Guard / Air Force Reserve Test Center (AATC), known for their innovation and cost-saving efforts, took on a much broader mission as the coordinator of a multi-faceted, joint Agile Combat Employment (ACE) exercise – Exercise Kani Wildcat. The exercise allowed Air Force Special Warfare operators to integrate with A-10, C-130, F-22, UH-1N, MV-22 and CH-53 personnel.
- ▶ Kentucky's 123rd Airlift Wing received eight state-of-the-art C-130J Super Hercules aircraft, marking a new era in aviation for one of the most decorated units in the U.S. Air Force.
- ▶ The Air National Guard (ANG) purchased Tactical Radio Systems (MIDS-JTRS) enabling KC-135 interoperability with a joint, low-latency, ad hoc, IP-based line of sight tactical datalink network.
- ▶ The ANG, in a collaborated effort with Johns Hopkins Applied Physics Laboratory and Georgia Tech Research Institute, began building the first-ever common high value airborne asset (HVAA) defense pod. HVAA pods will provide real-time threat data to mobility aircrew, beginning with the KC-135, and deliver additional capacity for future expansion of kinetic and non-kinetic defensive systems.
- ▶ The ANG continues to modernize the C-130H fleet with upgraded 3.5 engines, NP2000 propeller systems, and is in the testing phase of the Avionics Modernization Program increment 2. These modernizations will enhance performance and reliability of the aircraft, ensuring combatant commanders have similar capabilities across the H and J fleets.
- ▶ In line with CSAF's direction to accelerate change, the Kansas ANG's 184th Intelligence, Surveillance and Reconnaissance Group is conducting Artificial Intelligence (AI) and Machine Learning (ML) evaluation efforts to fundamentally change the way intelligence is produced by the Air Force Distributed Common Ground System.
 - Air Combat Command is providing 11 man-years of Military Personnel Authorization resources to fuel the 184th ISRG's AI / ML evaluations