704 COMMUNICATIONS SQUADRON

MISSION

LINEAGE
704 Communications Squadron

STATIONS
Arnold AFB, TN

ASSIGNMENTS
704 Mission Support Group

COMMANDERS

HONORS
Service Streamers

Campaign Streamers

Armed Forces Expeditionary Streamers

Decorations

EMBLEM
On a disc Sable, issuant from base a winged terrestrial demi-globe Azure, landmasses Vert, winged Gules, surmounted by a communications tower Or, topped with a mullet Argent, charged with a torteau; all within a narrow Yellow border. Attached above the disc, a Black scroll edged with a narrow Yellow border and inscribed "SECOND TO NONE" in Yellow letters. Attached below the disc, a Black scroll edged with a narrow Yellow border and inscribed "704TH COMMUNICATIONS SQ" in Yellow letters. **SIGNIFICANCE:** Ultramarine blue and Air Force yellow

are the Air Force colors. Blue alludes to the sky, the primary theater of Air Force operations. Yellow refers to the sun and the excellence required of Air Force personnel. The star projects unseen electronic RF images into cyberspace from its perch upon the tower and globe, representing the Squadron's mission to provide global, terrestrial, and non-terrestrial communications and IT services. Each point of the star represents a service capability provided by the Squadron. The 704th Communications Squadron started it's humble beginning at Arnold Engineering Development Center, Arnold AFB. The General Henry "Hap" Arnold Star and Wing elements pay tribute and honor to Air Force heritage and the legacies of General Arnold, Arnold Engineering Development Center, and Arnold AFB.

MOTTO

NICKNAME

OPERATIONS
The Arnold Research & Engineering Network (AREN) was deployed to align Development Test and Evaluation (DT&E) activities accessing the Defense Research and Engineering Network (DREN) and provide improved network security for those mission activities while preserving data connectivity to DT&E customers.

The Communications Squadron began local deployment of the Air Force Enterprise Information Management solution Share-Point. When fully deployed, this will provide enhanced information sharing capability for personnel across the Command.

In response to direction from both Head-quarters Air Force Materiel Command Vice Commander and the Secretary of the Air Force, Office of Warfighting Integration and Chief In-formation Officer, the squadron developed a base-wide approach and began consolidating and reducing digital printing and imaging devices that will result in providing these capabilities at reduced cost. In conjunction with the reductions, the squadron also began centralized management of print devices, which will result in greater standardization and reduced operations and maintenance costs, as well as engineered deployments of devices.

A network upgrade was completed in the Engine Test Facility (ETF). As a part of the upgrade, network switches throughout the ETF network were replaced with higher capacity switches to allow faster data transmission throughout the test cells and computer rooms supported by the ETF network. The project was complementary of a predecessor project to upgrade and modernize the core of the ETF network.

Finishing touches were applied to the upgraded base-wide security alarm network in 2008. This upgrade provides a communication backbone for the new, state-of-the-art security system implemented by AEDC's Security Forces Office.

The local Document Automation & Production Service (DAPS) office at Arnold AFB was closed at the end of the fiscal year. Closing the office eliminated the need to subsidize the under-utilized

DAPS operation at a cost of more than $100,000 per year. In addition, quality of products produced at the regional DAPS facility is vastly better than could be accomplished on the aging equipment in the on-base print plant.

AEDC maintains one of the Department of Defense's largest High Performance Computing (HPC) Test and Evaluation (T&E) computational capabilities. The center currently maintains three HPC-class computer systems

_____

Sources
Air Force Historical Research Agency. U.S. Air Force. Maxwell AFB, AL.
The Institute of Heraldry. U.S. Army. Fort Belvoir, VA.
Air Force News. Air Force Public Affairs Agency.
Major Command history. *A Salute to Air Force Communications Command Leaders and Lineage*. Office of Air
     Force Communications Command History. Scott AFB, IL. 1 Oct 1990.