

**18 APRIL 2002**



**ARNOLD ENGINEERING DEVELOPMENT  
CENTER (AEDC)**

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OPR: HQ AFMC/XPMO (Robert W. Hostler)  
Supersedes AFMCMC 405, 26 Feb 96

Certified by: HQ AFMC/XPM (Sue Mohr)  
Pages: 2  
Distribution: F

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This mission directive defines the mission of Arnold Engineering Development Center (AEDC) and implements Air Force Policy Directive 10-1, *Mission Directives*. It does not apply to the Air National Guard or the Air Force Reserve.

**SUMMARY OF REVISIONS**

This revision contains minor word changes for clarification, and provides regulatory designation of the installation commander. Provides an Internet address for organization charts.

**1. Mission.** AEDC is a national aerospace ground test facility that conducts tests, engineering analyses, and technical evaluations for research, system development, and operational programs of the Air Force and Department of Defense, other government agencies, and industry. Using ground test facilities, AEDC supports propulsion, aerodynamic, reentry, transatmospheric, and space flight systems testing. Testing is performed in an environment that simulates operational conditions. AEDC performs research to develop new technology for advanced test facilities, test techniques, and measurement methodologies associated with ground testing.

**2. Command.** AEDC, Arnold AFB, Tennessee, is a primary subordinate unit of Air Force Materiel Command (AFMC). See AFMC Supplement 1 to AFI 38-101 for installation commander designation.

**3. Organization Structure.** The organization structures of AEDC are in accordance with the Air Force Blueprint, AFI 38-101, *Air Force Organization*, and HQ USAF-approved variances to the structures. The approved Blueprint organization structure for AEDC is at  
[https://www.afmc-mil.wpafb.af.mil/HQ-AFMC/XP/xpm/xpmo/xpmo\\_home.htm](https://www.afmc-mil.wpafb.af.mil/HQ-AFMC/XP/xpm/xpmo/xpmo_home.htm).

3.1. Approved Variances. The CSAF-approved Air Force Objective Blueprint authorizes Public Affairs, History, Safety, Staff Judge Advocate and Manpower and Quality to be on the AEDC staff, and authorizes base-level comptroller and contracting functions to be aligned as functional organizations under the center commander.

3.2. Organization Changes. Requests to change the organizational structures of AEDC must be made in accordance with AFI 38-101 and HQ AFMC/XP policy guidance. Requests that require HQ AFMC/XP approval must be submitted through the AEDC/MQ and approved by the AEDC/CC.

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