

**BY ORDER OF THE COMMANDER
AIR COMBAT COMMAND**

**AIR COMBAT COMMAND
MISSION DIRECTIVE 101**



13 MAY 2021

Mission Directive

**ENGINEERING INSTALLATION
SQUADRON**

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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(Brig Gen Chad D. Raduege)

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This mission directive (MD) implements policy and guidance in AFI 38-101, *Manpower and Organization*, and AFMD2, *Air Combat Command (ACC)*. It delineates the mission, command relationships, and responsibilities of the Engineering Installation Squadrons. This MD applies to Active Duty (AD) and Air Combat Command (ACC)-gained Air National Guard (ANG) units. Ensure that all records created as a result of processes prescribed in this publication are maintained in accordance with (IAW) AFI 33-322, *Records Management and Information Governance Program*, and disposed of IAW the Air Force Records Information Management System Records Disposition Schedule. Refer recommended changes and questions about this publication to the Office of Primary Responsibility (OPR) using AF Form 847, *Recommendation for Change of Publication*; route AF Forms 847 from the field through the appropriate functional chain of command. This publication may not be supplemented.

1. Mission. Engineering Installation Squadrons (EIS) provide expeditionary cyberspace telecommunications infrastructure; cable and antenna; radar, airfield and weather systems to combat forces around the globe. The EIS mission sets are:

- 1.1. Cyberspace Infrastructure System Design, Engineering, and Documentation
- 1.2. Airfield Systems Integration
- 1.3. Build and Extend Existing Cyberspace Infrastructure
- 1.4. Cyberspace Network Infrastructure Systems

- 1.5. Cyberspace Infrastructure Damage Assessment and Rapid Restoral
- 1.6. Cyberspace Infrastructure Distribution Systems
- 1.7. Expeditionary EI Theater Management
- 1.8. Radio Frequency (RF) Spectrum Monitoring and Survey; RF Interference and Emitter Detection
- 1.9. Tactical to Enduring Cyberspace Infrastructure Transition

2. Command. HQ ACC has Administrative, Functional, and Technical oversight and control over ACC-assigned total force EI units through the three Cyberspace Engineering Installation Groups (CEIG), and normal command channels apply except when SECDEF-directed change of OPCON to a Combatant Commander. The ANG designated group commander or Joint Force Headquarters-State commander, to which a unit is assigned, exercises Administrative Control of 15 ANG EISs. The EIS commanders are authorized to directly communicate with their HQ ACC Cyberspace and Information Dominance Directorate (ACC/A6) and the National Guard Bureau (NGB) Cyber and Space Forces Division (NGB/A2-3-6-10C) counterparts to assist in carrying out ACC and NGB responsibilities. The EIS commanders are authorized to directly liaison with other units or agencies on matters relating to mission accomplishment or regarding administrative or logistical support under applicable support agreements and letters of understanding.

3. Responsibilities. The Commander, EIS, will:

- 3.1. Comply with requirements identified in AFI 1-2, *Commander's Responsibilities*.
- 3.2. Deliver timely and effective technical network infrastructure expertise, design, and guidance. Examples include, but are not limited to: telecommunications/network systems troubleshooting, cyber transport design and configuration, power/grounding/lightning protection system evaluations.
- 3.3. Provide services to support a broad spectrum of radar, airfield and weather systems.
- 3.4. Design, engineer, build, extend, deploy, install, secure, survey and record new and existing cyberspace infrastructure to support mission requirements in air, space, and cyberspace operations.
- 3.5. Provide a flexible contingency response for damage assessment and recovery operations to restore critical telecommunications infrastructure enabling continued operations.
- 3.6. Provide expeditionary EI theater management to support domestic and deployed theater planning and operations.
- 3.7. Provide RF Interference and Emitter Detection capabilities as well as RF Spectrum Monitoring and Spectrum Survey capabilities. Specific examples include, but are not limited to: Electromagnetic Interference, Electromagnetic Compatibility, Hazards of Electromagnetic Radiation to Fuels, Hazards of Electromagnetic Radiation to Personnel, Hazards of Electromagnetic Radiation to Ordnance, and Radiation Hazard surveys.
- 3.8. Tactical-to-Follow-on/Enduring. Plans and executes the transition of expeditionary communications from identified locations to a sustainable, purpose-built telecommunications with core services operated by sustainment personnel.

MARK D. KELLY
General, USAF
Commander

Attachment 1**GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION*****References***

AFI 1-2, *Commander's Responsibilities*, 08 May 2014

AFI 33-322, *Records Management and Information Governance Program*, 23 March 2020

AFI 38-101, *Manpower and Organization*, 29 August 2019

AFMD2, *Air Combat Command (ACC)*, 3 November 2016

Prescribed Forms

None

Adopted Forms

AF Form 847, *Recommendation for Change of Publication*

Abbreviations and Acronyms

ACC—Air Combat Command

AD—Active Duty

AF—Air Force

ANG—Air National Guard

CEIG—Cyberspace Engineering Installation Group

EI—Engineering Installation

EIS—Engineering Installation Squadron

NGB—National Guard Bureau

RF—Radio Frequency