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Communications

**UNIT REPORT OF CRITICAL AIR TRAFFIC
CONTROL AND LANDING SYSTEMS
(ATCALs) OUTAGES**

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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This instruction directs up-channel outage reporting on critical ATCALs using Critical Communications Outage Reports. It implements policy found in AFPD 33-1, **Command, Control, Communications, and Computer (C4) Systems**. It applies to all communication agencies (military, DOD civilians and contractors) maintaining ATCALs equipment within AFSPC. It does not apply to Air Force Reserve Command (AFRC) nor Air National Guard (ANG) units.

1. General Information . Critical outage reporting informs senior leaders of mission-impacting ATCALs failures. It does not replace equipment status reporting subsystem, provided through the Core Automated Maintenance System. Reports are the responsibility of the unit commander at every AFSPC organization with maintenance responsibility for reportable systems. HQ AFSPC and HQ USAF use this information for effective mission planning, management actions and dispatch of technical assistance.

2. Reportable Conditions . ATCALs equipment with an unscheduled outage that is not usable for the assigned mission, and is not corrected by the close of the field unit's business day, is defined and reported as a "Red" or "Amber" outage. Reference AFI 21-103, **Equipment Inventory, Status, and Utilization Reporting**, Chapter 6 as a guide for system condition. Reports will normally be routed to AFSPC CSS/SCO by a central contact point dictated by their unit commander. Updates are required on normal duty days when job status changes (Ex: from maintenance in progress to awaiting back ordered parts). Supply status changes will also be updated in follow-up reports. No updates are required on days when no job status changes occur. The closeout or final outage report will indicate fix actions.

3. Reporting Instructions . AFSPC CSS/SCO will list all systems as green unless the field unit changes equipment status by calling (via STU III or other secure means) the AFSPC CSS/SCON at DSN 692-6672, commercial (719) 554-6672. Field units will report status no later than close of business, their time.

3.1. When a critical ATCALs outage is reported, the Airfield Operation Flight Commander or delegated representative will include an impact statement on how the outage impacts the unit's ability to provide Air Traffic Control (ATC) service in support of the flying mission. This impact statement is required to help us determine the level of effort required to restore your ATCALs to operational status.

3.2. Reportable systems are included in **Attachment 2**.

3.3. Reporting will be done using the format as outline below:

3.3.1. REQUIRED INFORMATION FORMAT

3.3.2. COMMUNICATIONS UNIT: (XX CS)

3.3.3. BASE LOCATION: (Anywhere AFB)

3.3.4. SUBJECT: Critical Outage Report

3.3.5. TYPE REPORT: (Initial, Update, Closing)

3.3.6. AFFECTED SYSTEM.

3.3.7. JOB CONTROL NUMBER:

3.3.8. DATE/TIME OUT: (1 Jan 02/1330Z)

3.3.9. DATE TIME IN: (10 Jan 02/1445Z)

3.3.10. ESTIMATED TIME TO REPAIR: (11 Jan 02/1600Z)

3.3.11. JOB STATUS: (Equipment Inoperative for Parts (EIP), Awaiting CE)

3.3.12. NARRATIVE DESCRIBING OUTAGE:

3.3.13. NARRATIVE DESCRIBING ACTIONS TAKEN:

NOTE:

Include current operational status (RED, AMBER, GREEN) in update report

3.3.14. NAME AND STOCK NUMBER OF ITEM ORDERED:

3.3.15. DOCUMENT NUMBER/PRIORITY:

3.3.16. OFF BASE REQUISITION NUMBER/PRIORITY: (FBXXXXXXXXXX/02XX)

3.3.17. RELEASING OFFICIAL: (Name, Rank and Telephone number)

3.3.18. MISSION IMPACT: (Minimal, Significant, Critical)

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Attachment 1

GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION

References

AFI 21-103, *Equipment Inventory, Status, and Utilization Reporting*

AFI 21-116, *Maintenance Management of Communications Electronics*

AFPD 33-1, *Command, Control, Communications, and Computer (C4) Systems*

ACCI 33-157, *Unit Report of Critical Air Traffic Control and Landing Systems (ATCALs) Outages*

Terms

Green (Fully Mission Capable) Status - —Equipment/system functioning as required in T.O. specifications and capable of supporting its mission requirements.

Amber (Partial Mission Capable) Status - —Systems or equipment functioning in such a way that it can perform at least one, but not all, of its missions/functions. (Impaired but usable.) Equipment must be at least amber when you order parts partially mission capable supply.

Red (Not Mission Capable) Status - —The system or equipment doesn't meet T.O. specifications; therefore, cannot accomplish its assigned mission or function. Unusable (neither in use nor available for use). The equipment must be red when you order parts not mission capable supply.

Attachment 2**REPORTABLE ATCALs AND WEATHER SYSTEMS**

- A2.1.** Airport Surveillance Radar (ASR): AN/GPN-20, AN/MPN-14K and AN/TPN-24.
- A2.2.** Air Traffic Control Radar Beacon System (ATCRBS): AN/TPX-42, including Programmable Indicator Data Processor.
- A2.3.** Precision Approach Radar (PAR): AN/GPN-22, AN/MPN-14K and AN/TPN-25.
- A2.4.** Radar Approach Control Facilities: Ground Controlled Approach (GCA), Radar Approach Control (RAPCON), Radar Final Control (RFC), AN/MPN-14K, OK-235, OK-236 and facilities installed in permanent buildings.
- A2.5.** Air Traffic Control Towers: Permanent and Mobile (AN/TSW-7 and AN/MSN-7).
- A2.6.** Tactical Air Navigation (TACAN): AN/FRN-45, AN/TRN-26 and AN/TRN-41.
- A2.7.** Very High Frequency Omni directional Range (VOR): AN/FRN-44.
- A2.8.** Combined VOR and TACAN (VORTAC): AN/FRN-43.
- A2.9.** Instrument Landing System (ILS): AN/GRN-29, -30, -31.
- A2.10.** Storm Detection Radar: WSR-088D Next Generation Weather Radar (NEXRAD).
- A2.11.** Wind Speed and Direction Measuring Equipment: AN/FMQ-13 and AN/GMQ-20.
- A2.12.** Non-Directional Beacons (NDB): Nautel and URN-5.
- A2.13.** Communications equipment supporting RAPCON, GCA, RFC or Air Traffic Control Towers.
- A2.13.1. Standard Communications Systems: OJ-314, GSC-37 or Enhance Terminal Voice Switch (ETVS).
 - A2.13.2. Communications Recorders: Digital Voice Recorder System (DVRS), CDD-1000 (Automated Terminal Information Service) or AN/GSH 56/57.
 - A2.13.3. Receiver-Transmitters: AN/GRC-171/211s.
 - A2.13.4. Dedicated ATCALs Primary Frequency Transmitters: AN/GRT-21/22s.
 - A2.13.5. Dedicated ATCALs Primary Frequency Receivers: AN/GRR-23/24s.
 - A2.13.6. Dedicated ATCALs Primary Tactical Receiver-Transmitters: AN/PRC-113 or AN/TRC-176.