

**BY ORDER OF THE COMMANDER
LUKE AIR FORCE BASE**

**LUKE AIR FORCE BASE
INSTRUCTION 32-1001**



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Civil Engineering

**SUPPORT OF NAVAID AND OTHER
CRITICAL FACILITIES**

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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This instruction implements Air Force Policy Directive (AFPD) 32-10, *Installations and Facilities*. This instruction establishes responsibilities and procedures to provide emergency Heating, Ventilation, Air Conditioning, and Refrigeration (HVAC/R) and standby electrical power maintenance and support to critical facilities. This instruction applies to all organizations, which have a back up generator. This publication does not apply to US Air Force Reserve Units and its members assigned to Luke AFB. This publication applies to the Air National Guard (ANG). Refer recommended changes and questions about this publication to the Office of Primary Responsibility using the AF Form 847, Recommendation for Change of Publication; route AF Form 847 from the field through the appropriate functional chain of command. Ensure that all records created as a result of processes prescribed in this publication are maintained in accordance with Air Force Manual (AFMAN) 33-363, Management of Records, and disposed of in accordance with Air Force Records Information Management System (AFRIMS) Records Disposition Schedule (RDS). The authorities to waive wing/unit level requirements in this publication are identified with a Tier ("T-0, T-1, T-2, T-3") number following the compliance statement. See AFI 33-360, Publications and Forms Management, for a description of the authorities associated with the Tier numbers. This publication may not be supplemented or further implemented/extended. The use of the name or mark of any specific manufacturer, commercial product, commodity, or service in this publication does not imply endorsement by the Air Force.

SUMMARY OF CHANGES

Most of the changes are in Attachment 2, Critical Facilities List. Bldg 952 Runway lighting is now Bldg 1000. Bldg 969 Trunked Land Mobile Radio is now Bldg 989. Bldg 793 Base sewage lift is now Bldg 798. Bldg 859 Base Personal Readiness Unit is now Bldg 857. Bldg 927 Hazmat Pharmacy is now Bldg 843. Bldg 5105/5106 Aux 1 Par (removed/inop). Bldg 330 is now Alt POL Control Center Bldg 335. Bldg 1074 BAK-9 North, Bldg 1034 BAK-9 South and Bldg 360 Power Pro removed from list (Facility demoed). All sites 34 through 44 move up 1 position on list. Priorities 45 through 47 removed.

1. Responsibilities.

1.1. Resource Management. The 56th Logistics Readiness Squadron Commander will provide, through fuels management, on-site refueling for all standby generators.

1.2. User Organizations. The using organization commander will designate emergency generator operators and submit training and recertification requirements to the 56 CES/CEOFP (Power Production/Barrier Maintenance Shop), reference AFI 32-1062, *Electrical Systems, Power Plants and Generators*. The using organization will notify the Base Civil Engineer (BCE) of any changes of support requirements. To facilitate effective accomplishment of the BCE support requirements at critical facilities, the BCE will provide the user a notice of required equipment maintenance outages and coordinate scheduled outages that will minimize mission impact. This notification will be made far enough in advance to permit the BCE to plan preventive maintenance or other support work during the inoperative interval. The user will inform BCE Service Call Desk, 856-7231 or 856-7083, any time an emergency operator is started or stopped.

1.3. Building Managers. Building managers will ensure mechanical and electrical rooms are kept clean and free of storage or superfluous items at all times. Also, they will ensure rooms are secured, prohibiting entry of unauthorized personnel.

1.4. Power Production. The Power Production section will provide operator training, maintenance, and inspections of generators and associated equipment supporting air navigational aids (NAVAIDs) and critical facilities. Power Production personnel will assist the Fuels Distribution personnel in refueling standby units during prolonged electrical outages. During routine maintenance, Power Production personnel will coordinate with the using agency before completing a transfer to generator power.

1.5. Mechanical Section. The HVAC/R will provide maintenance, repair, and inspections of facility heating, ventilation, air conditioning, and refrigeration systems.

2. Procedures.

2.1. During emergencies, direct coordination will be maintained between Power Production, BCE Service Call Desk, and the Fuels Service Center to ensure that refueling crews are dispatched to the standby generator in required sequence.

2.2. Standby personnel will carry cellphones to keep in contact with BCE Service Call Desk during their tour. Standby personnel will respond to electrical power and heating, ventilation, air conditioning and refrigeration systems failures.

2.3. Personnel will respond to emergencies in priority order of facilities listed in Attachment 2. For an electrical power outage, if the installed standby generators fails, a replacement unit will be selected from a lower priority mobile unit in Attachment 2.

2.4. Generator operator functions will be limited to those outlined in the generator operating procedures posted at each generator site. Typically this involves preoperational checks, start up, load transfer, monitoring, retransfer to commercial power, shut down and documenting run-up on AF Form 487, *Emergency Generator Operating Log*.

2.5. Emergency backup generators will be tested with the actual load connected as outlined in AFI 32-1062.

2.6. Test runs scheduled for the 56th Communications Squadron (56 CS) facility generators will be coordinated between the using organization personnel, and the BCE Power Production section prior to the test. Test runs will be based on the BCE Recurring Work Program (RWP).

2.6.1. Testing and maintenance work on the hospital generators will be coordinated with the hospital Facility Management Office, prior to any action taken.

2.7. The point of contract for 24-hour emergencies is the BCE Service Call Desk, 856-7231 or 856-7083.

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Commander

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

AFI 32-1062, *Electrical Systems, Power Plants and Generators*, 15 January 2015

AFPD 32-10, *Installations and Facilities*, 4 March 2010

AFMAN 33-363, *Management of Records*, 1 March 2008

Adopted Forms

AF Form 487, *Emergency Generator Operating Log*

AF Form 847, *Recommendation for Change of Publication*

Abbreviations and Acronyms

AFI—Air Force Instruction

AFMAN—Air Force Manual

AFPD—Air Force Policy Directive

AFRC—Air Force Reserve Command

AFRIMS—Air Force Records Information Management System

ANG—Air National Guard

BCE—Base Civil Engineer

CE—Civil Engineer

HAZMAT—Hazardous Material

HVAC/R—Heating, Ventilation, Air Conditioning, and Refrigeration

NAVAID—navigational aids

OPR—Office of Primary Responsibility

RWP—Recurring Work Program

Attachment 2

CRITICAL FACILITIES LIST

Table A2.1. Critical Facilities list.

PRIORITIES		BUILDING NUMBER	NOMENCLATURE
HVAC/R	Power Production		
	1	1000	RUNWAY LIGHTING
1	2	979	RADAR APPROACH CONTROL
2	3	998	CONTROL TOWER
3	4	1032	DIGITAL AIRPORT SURVEILLANCE RADAR
4	5	122	BASE COMMUNICATIONS
5	6	1040	GROUND TO AIR TRANSMIT/RX (GATR)
6	7	969	TRUNKED LAND MOBILE RADIO
7	8	1049	TACAN
8	9	1380/1381	LOCALIZER
9	10	1002/1081	GLIDESLOPE SOUTH
10	11	1056	GLIDESLOPE NORTH
11	12	1057	LOCALIZER
12	13	11	COMMAND POST
13	14	500	RMO
14		1130	HOSPITAL
15	15	1132	CLINIC 1
	16	1132	CLINIC 2
16	17	176	TELEPHONE EXCHANGE
17	18	910	TELEPHONE EXCHANGE SUBSTATION
18	19	961	56TH MAINTENANCE OPERATIONS
19	20	450	FIRE STATION 1/ECC
20	21	453	BASE OPERATIONS/WEATHER
21	22	179	SECURITY FORCES
22	23	343	CES UCC CONTROL CENTER
23	24	328	FUEL LAB
	25	321	FUEL STANDS
	26	1239	SEWAGE PLANT
	27	798	BASE SEWAGE LIFT
	28	901	SEWAGE LIFT
24	29	310	LUKE COMM SUPPORT TEAM
	30	1365	EOC/EMERGENCY MANAGEMENT
	31	859	BASE PERSONAL READINESS UNIT
25	32	843	HAZMAT PHARMACY
	33	1387	WELL #12
26		5105/5106	AUX 1 PAR

27	34	5103/5104/5108/5	AUX 1 ILS
	35	1216	MUNITIONS
	36	885	SOUTH GATE
	37	1153	LIGHTING GATE
	38	8226	OCTILLO GATE
	39	988	ALT COMMAND POST
	41	815	DRAIN and FLOOD CONTROL
28		910	TELEPHONE EXCHANGE
	42	897	LIFT STATION
	43	355	FUEL STATION
	44	957	ALT POL CONTROL
29		617	FLT SIMULATIONS
30		940	F-16 SIMULATORS
31		417	TEST MEASUREMENT DIAGNOSTIC
32		360	POWER PRODUCTION
33		452	56 FIGHTER WING HQ
34		545	DINING HALL
35		1118	CHILD CARE CENTER
36		1111	CHILD DEVELOPMENT
37		1112	CHILD DEVELOPMENT
38		1115	CHILD DEVELOPMENT
39		161	CLUB FIVE SIX