

## APPENDIX E

### ABBREVIATIONS AND ACRONYMS

#### -A-

ADWS	Automatic Digital Weather Switch
AFB	Air Force Base
AFRB	Air Force Reserve Base
AFRL	Air Force Research Laboratory
AFS	Air Force Station
AFSS	Automated Flight Service Station
AFW	Air Force Weather
AFWA	Air Force Weather Agency
AIRMET	Airmen's Meteorological Information
ALDARS	Automated Lightning Detection and Reporting System
AM	Amplitude Modulation
AMIS	Advance Meteorological Information System
AMOS	Automated Meteorological Observing Stations
AMSU	Advanced Microwave Sounding Unit
ANGB	Air National Guard Base
APT	Automatic Picture Transmission
ARTCC	Air Route Traffic Control Center
ASOS	Automated Surface Observing System
ASR	Airport Surveillance Radar
ATCT	Air Traffic Control Tower
ATM	Asynchronous Transfer Mode
ATOVS	Advanced TIROS-N Operational Vertical Sounder
AUTODIN	Automatic Digital Network
AWC	Aviation Weather Center
AWIPS	Advanced Weather Interactive Processing System
AWOS	Automated Weather Observing System
AVHRR	Advanced Very High Resolution Radiometer

#### -B-

BLM	Bureau of Land Management
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**-C-**

C <sup>4</sup> I	Command, Control, Communications, Computers, and Intelligence
CDDF	Central Data Distribution Facility
C/ESORN	Committee for Environmental Services, Operations and Research Needs
CIRA	Cooperative Institute for Research in the Atmosphere
C-MAN	Coastal Marine Automated Network
COMET	Cooperative Program for Operational Meteorology, Education and Training
CONUS	Continental United States
CRS	Console Replacement System (NWS)
CWS	Combat Weather Squadron
CWSU	Center Weather Service Unit
CWA	Center Weather Advisory

**-D-**

DDS	Domestic Data Service
DCO	Data Collection Offices
DET	Detachment
DMSP	Defense Meteorological Satellite Program
DOC	Department of Commerce
DOD	Department of Defense
DOT	Department of Transportation
DSN	Defense Switching Network

**-E-**

EAS	Emergency Alert System
EMWIN	Emergency Managers Weather Information Network
EOC	Emergency Operations Center

**-F-**

FAA	Federal Aviation Administration
FCC	Federal Communication Commission
FCMSSR	Federal Committee for Meteorological Services and Supporting Research
FCM	Federal Coordinator for Meteorology
FEMA	Federal Emergency Management Agency
FHWA	Federal Highway Administration
FM	Frequency Modulation
FNMOC	Fleet Numerical Meteorology and Oceanography Center
FO	Military Weather Advisory Future Outlooks
FOS	Family of Services
FSS	Flight Service Station
FTS	Federal Telecommunications Service

**-G-**

GAC	Global Area Coverage 4 km Resolution
GMDSS	Global Maritime Distress and Safety System
GOES	Geostationary Operational Environmental Satellite
GPS	Global Positioning System
GTS	Global Telecommunications System
GVAR	GOES Variable

**-H-**

H+55	55 minutes past the Hour
HAWCNET	High-speed Asynchronous transfer mode Weather Communications NETwork
HAZUS	HAZards U.S.
HAZUS_MH	HAZards U.S. Multi-Hazard
HNL	Honolulu, HI WFO
HQ	Headquarters
HRPT	High Resolution Picture Transmission
HF	High Frequency

**-I-**

IAP	International Airport
ICMSSR	Interdepartmental Committee for Meteorological Services and Supporting Research
IMO	International Maritime Organization
IR	Infrared
ITWS	Integrated Terminal Weather System
IWIN	Interactive Weather Information Network

**-J-**

JAAWIN	Joint Air Force and Army Weather Information Network
JAG/SLSO	Joint Action Group for Severe Local Storms Operations
JET	Joint Environmental Toolkit
JOTS	Joint Operational Tactical System
JPDO	Joint Planning and Development Office

**-L-**

LAC	Local Area Coverage 1.1 km resolution
LDS	Lightning Detection System
LF	Light Fine Video Data (1/3 nm (0.6 km))
LOA	Letter of Agreement
LS	Light Smooth Video Data (1.5 - 2.0 nm (2.8 - 3.7 km))

LVL Level

**-M-**

MDR	Manually Digitized Radar
METAR	aviation routing weather report
METOC	Meteorology and Oceanography (as in commands, centers, or DETs) or Meteorological and Oceanographic (as in data or products)
METSAT	Meteorological Satellite
METWATCH	Meteorological Watch
MF	Medium Frequency
MIC	Maximum Instantaneous Coverage
MIDDS	Meteorological Integrated Data Display System
MSU	Microwave Sounding Unit
MWA	Military Weather Advisory

**-N-**

NASA	National Aeronautics and Space Administration
NAVMETOCOM	Naval Meteorology and Oceanography Command
NAVTEX	a primary GMDSS
NAWAS	National Warning System
NCEP	National Centers for Environmental Prediction
NCF	Network Control Facility
NCO	NCEP Central Operations
NCWF	National Convective Weather Forecast
NDBC	National Data Buoy Center
NESDIS	National Environmental Satellite, Data, and Information Service
NEXRAD	Next Generation Radar (WSR-88D)
NGDC	National Geophysical Data Center
NHC	National Hurricane Center
NIMA	National Imagery Mapping Agency
NIPRNET	Non-secure Internet PRotocol NETwork
NMOSS	Navy Mobile METOC Support System
NOAA	National Oceanic and Atmospheric Administration
NOAAPort	NOAA communications system for data and products
NODDS	Navy Oceanographic Data Distribution System
NPHs	Natural Phenomena Hazards
NRC	Nuclear Regulatory Commission
NRP	National Response Plan
NSLSOP	National Severe Local Storms Operations Plan
NSSL	National Severe Storms Laboratory
NWP	Numerical Weather Prediction
NWR	NOAA Weather Radio
NWS	National Weather Service
NWSTG	NWS Telecommunications Gateway

NWWS NOAA Weather Wire Service

**-O-**

OBS observations

OFCM Office of the Federal Coordinator for Meteorological Services and  
Supporting Research

OJCS Organization of the Joint Chiefs of Staff

OLS Operational Line Scanning

OWS Operational Weather Squadron

**-P-**

PATWAS Pilots Automatic Telephone Weather Advisory Service

PIBAL Pilot Balloon

PIREP Pilot Report

POES Polar Orbiter Environmental Satellite

PPS Public Product Service

PWW Point Weather Warnings

**-R-**

RAWS Remote Automatic Weather Station

R&D Research and Development

RAMSDIS Regional and Mesoscale Meteorology Team Advanced Meteorological  
Satellite Demonstration and Interpretation System

RAWIN Rawinsonde

RCM Radar Coded Message

RFC River Forecast Center

RMTN Regional Meteorological Telecommunications Network

RPG Radar Product Generator

ROB Automated Radar Observation (WSR-88D)

RTOVS Revised TIROS-N Operational Vertical Sounder

RSO Rapid Scan Operations

RVR Runway Visual Range

**-S-**

SAB Satellite Analysis Branch

SafetyNET a primary GMDSS

SAME Specific Area Message Encoders

SAWRS Supplementary Aviation Weather Reporting Station

SD Storm Detection

SDHS Satellite Data Handling System

SDM Senior Duty Meteorologist at NCEP

SIGRAD Significant Radar Message

SIGMET Significant Meteorological Information

SLSO	Severe Local Storms Operations
SNOINCR	Snow Increasing Rapidly report
SNOTEL	Snow Telemetry
SOLAS	Safety of Life at Sea
SPC	Storm Prediction Center
SPECI	aviation selected special weather report
SPP	Shared Processing Program
SR	Stored Data
SRC	State Relay Center
SRSO	Super Rapid Scan Operations
SSCs	Structures, Systems, and Components
SSM/I	Special Sensor Microwave Imager
SSM/T-1	Special Sensor Microwave Temperature Sounder
SSM/T-2	Special Sensor Microwave Moisture Sounder
SSU	Stratospheric Sounding Unit

**-T-**

TAA	Total Area Affected
TDWR	Terminal Doppler Weather Radar
TF	Thermal Fine Data (1/3 nm (0.6 km))
TIROS	Television Infrared Observation Satellite
TOVS	TIROS Operational Vertical Sounder
TPC	Tropical Prediction Center
TRACONS	Terminal Radar Approach Controls
TS	Thermal Smooth Data (1.5 - 2.0 nm (2.8 - 3.7 km))
TWEB	Transcribed Weather Broadcast

**-U-**

UA	Routine pilot reports
USA	United States Army
USAF	United States Air Force
USCG	United States Coast Guard
USMC	United States Marine Corps
USN	United States Navy
UTC	Universal Coordinated Time
UUA	Urgent pilot reports

**-V-**

VAS	VISSR Atmospheric Sounder
VHF	Very High Frequency
VHRR	Very High Resolution Radiometer
VIP	Video Integrated Processor
VISSR	Visible Infrared Spin Scan Radiometer

VOR VHF Omni-Directional Radio Range  
VOS Voluntary Observing Ship

**-W-**

WFO Weather Forecast Office  
WIBIS Severe Weather Watch Will Be Issued  
WMO World Meteorological Organization  
WMSCR Weather Message Switching Center Replacement  
WSOM Weather Service Operations Manual