

APPENDIX G

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
AWN	Automated Weather Network
AWOS	Automated Weather Observing System
AVHRR	Advanced Very High Resolution Radiometer

-B-

BLM	Bureau of Land Management
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-C-

C ⁴ 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

-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.
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
JOTS Joint Operational Tactical System

-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-

MAIS	Military Aircrew Information System
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
MIST	Meteorological Information Standard Terminal
MSU	Microwave Sounding Unit
MWA	Military Weather Advisory

-N-

NASA	National Aeronautics and Space Administration
NAVMETOCCOM	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
NLSL	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
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-

USA	United States Army
USAF	United States Air Force

USCG	United States Coast Guard
USMC	United States Marine Corps
USN	United States Navy
UUA	urgent pilot reports
UTC	Universal Coordinated Time

-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