Map MODERNIZATION

Federal Emergency Management Agency

FEMA's Flood Hazard Mapping Program

Guidelines and Specifications *for* Flood Hazard Mapping Partners

Acronyms & Abbreviations

FEDERAL EMERGENCY MANAGEMENT AGENCY

www.fema.gov/fhm/dl_cgs.shtm

April 2003

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List of Acronyms and Abbreviations

The following acronyms and abbreviations will be encountered by the Federal Emergency Management Agency (FEMA) and its Flood Hazard Mapping Partners throughout these *Guidelines* and in the completion of activities under of the Flood Hazard Mapping Program:

A

AML	ARC Macro Language
AAER	Average Annual Erosion Rate
ACSM	American Congress of Surveying and Mapping
ANI	Area Not Included
AO	(FEMA) Assistance Officer
ASC	Area of Special Consideration
ASCE	American Society of Civil Engineers
ASCII	American Standard Code for Information Interchange
ASFPM	Association of State Floodplain Managers
ASPRS	American Society of Photogrammetry and Remote Sensing
AT	Area Triangulation

B

BERD	Blocked Erosion Rate Database
BFE	Base Flood Elevation
BIL	Band Interleaved by Line (Format)
BM	Bench Mark
BSQ	Band Sequential Format
BU	Building (Line)

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C

CAC	Community Assistance Call
CAD	Computer-Assisted Drafting
CADD	Computer-Assisted Drafting and Design
CAP	Community Assistance Program
CAV	Community Assistance Visit
CBN	Cooperative Base Network
CBRA	Coastal Barrier Resources Act (of 1982)
CBRS	Coastal Barrier Resources System
CCO	Consultation Coordination Officer
CD-ROM	Compact Disk Read-Only Memory
CEO	Chief Executive Officer
CERC	Coastal Engineering Research Center (U.S. Army)
CFR	Code of Federal Regulations
CID	Community Identification Number
CIS	Community Information System
CLOMA	Conditional Letter of Map Amendment
CLOMR	Conditional Letter of Map Revision
CLOMR-F	Conditional Letter of Map Revision Based on Fill
CMA	Community Map Action (Form)
CMAS	Circular Map Accuracy Standard
CO	Contracting Officer
COGO	Coordinate Geometry
CORS	Continuously Operating Reference Stations
CRS	Community Rating System
CSIS	Credited Structures Inventory System
CTP	Cooperating Technical Partners (Program)

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D

DBMS	Database Management System
DEM	Digital Elevation Model
DFIRM	Digital Flood Insurance Rate Map
DFO	Disaster Field Office
DGN	Design (File)
DGPS	Differential Global Positioning System
DHL	Delft Hydraulic Laboratory
DLG	Digital Line Graph
DLG-3	Digital Line Graph Level 3
DMRS	Data Management and Retrieval System
DOI	U.S. Department of the Interior
DOQ	Digital Orthophoto Quadrangle
DTM	Digital Terrain Model
DU	Dune (Line)
DWG	Drawing (File)
DXF	Drawing Exchange (Interchange) File

E

EDR	External Data Request
EO	Exterior Orientation (Parameter)
EPA	U.S. Environmental Protection Agency
EP&R	Emergency Preparedness and Response Directorate
ERM	Elevation Reference Mark
ERP	Elevation Reference Point
ESDP	Engineering Study Data Package
ESDPF	Engineering Study Data Package Facility
ESF	Emergency Support Function
EST	Emergency Support Team
ET	End-of-Transect (Line)
ETJ	Extraterritorial Jurisdiction (Limits)

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F

FAAT	Fully Analytical Aerial Triangulation
FBFM	Flood Boundary and Floodway Map
FBN	Federal Base Network
FCSA	Fee-Charge System Administrator
FEDD	Flood Elevation Determination Docket
FEMA	Federal Emergency Management Agency
FGCC	Federal Geodetic Coordinating Committee
FGDC	Federal Geographic Data Committee
FHAR	Flood Hazard Analyses Report
FHBM	Flood Hazard Boundary Map
FIPS	Federal Information and Processing Standards (Code)
FIRM	Flood Insurance Rate Map
FIRM-DLG	Flood Insurance Rate Map-Digital Line Graph
FIS	Flood Insurance Study
FLIS	FEMA Levee Inventory System
FOIA	Freedom of Information Act
FPI	Floodplain Information Report
FTP	File Transfer Protocol

G

GeoTIFF	Georeferenced Tagged Image File Format
GIS	Geographic Information System
GLWRM	Great Lakes Wave Runup Model
GPO	U.S. Government Printing Office
GPS	Global Positioning System
GRASS	Geographic Resources Analysis and Support System
GRS	Geodetic Reference System

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H

HARN	High Accuracy Reference Network
HEC	Hydrologic Engineering Center (U.S. Army Corps of Engineers)
H&H	Hydrologic and Hydraulic (Analyses)
HMGP	Hazard Mitigation Grant Program
HQ	Headquarters (FEMA)
HS	Human Services (Applications)
HSLD	Historic Shoreline Location Database
HSPCD	Historic Shoreline Positional Change Database
HWL	High Water Line

I

IE	Initial Elevation (Line)
IF	Inland Fetch (Line)
ILGD85	International Great Lakes Datum of 1985
IMU	Inertial Measurement Unit
INS	Inertial Navigation System

L

LAG	Lowest Adjacent Grade
LAN	Local Area Network
LFD	Letter of Final Determination
LFFE	Lowest Finished Floor Elevation
LIDAR	LIght Detection and Ranging (System)
LIDEF	Levee Inventory Data Entry Form
LLS	Licensed Land Surveyor
LMMP	Limited Map Maintenance Program Project Revision
LODR	Letter of Determination Review
LOMA	Letter of Map Amendment
LOMC	Letter of Map Change

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LOMC-VALID	Letter of Map Change Revalidation (Letter)
LOMR	Letter of Map Revision
LOMR-F	Letter of Map Revision Based on Fill

M

MAS	Mapping Activity Statement
MCC	Flood Map Production Coordination Contractor
MHWL	Mean High Water Line
MICS	Monitoring Information on Contracted Studies (System)
MIS	Management Information System
MNAP	Mapping Needs Assessment Process
MNUSS	Map Needs Update Support System
MOA	Memorandum of Agreement
mph	Miles per Hour
MRR	Measurement Residual Ratio
MSC	Map Service Center (FEMA)
MV	Marsh Vegetation (Line)

N

NAD27	North American Datum of 1927
NAD83	North American Datum of 1983
NAVD88	North American Vertical Datum of 1988
NAS	National Academy of Sciences
NASA	National Aeronautic and Space Administration
NCSSA	National Cartographic Standards for Spatial Accuracy
NCP	Network Control Point
NDEP	National Digital Elevation Program
NDOP	National Digital Orthophoto Program
NFIF	National Flood Insurance Fund

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NFIP	National Flood Insurance Program
NFIRA	National Flood Insurance Reform Act of 1994
NGVD29	National Geodetic Vertical Datum of 1929
NGRS	National Geodetic Reference System
NGS	National Geodetic Survey
NMAS	National Map Accuracy Standard
NOAA	National Oceanic and Atmospheric Administration
NOS	National Ocean Survey
NP	Navigation Processor
NRC	National Research Council
NRCS	Natural Resources Conservation Service
NSRS	National Spatial Reference System
NSSDA	National Standard for Spatial Data Accuracy
NWS	National Weather Service

O

ODC	Other Direct Cost
OF	Over-water Fetch (Line)
OGC	Office of General Counsel
OPA	Otherwise Protected Area

P

PAC	Primary Airport Control
pdf	Portable Document Format
PDF	Probability Density Function
PDOP	Position Dilution of Precision
PE	Professional Engineer
PID	Permanent Identifier
PLSS	U.S. Public Land Survey System
PMR	Physical Map Revision
PO	Project Officer (FEMA HQ)

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Q

QA	Quality Assurance
QC	Quality Control
QA/QC	Quality Assurance/Quality Control

R

RDBMS	Relational Database Management System
RFIS	Flood Insurance Restudy
RLE	Run Length Encoding
RLS	Registered Land Surveyor
RMM	River Mile Marker
RMS	Root Mean Square
RMSE	Root Mean Square Error
RO	Regional Office (FEMA)
ROC	Regional Operations Center (FEMA)
RPO	Regional Project Officer (FEMA RO)
RTK	Real Time Kinematic
RXDS	Existing Data Restudy

S

SAC	Secondary Airport Control
SC	Study Contractor
SCRR	Special Conversion Recommendation Report
SDTS	Spatial Data Transfer System
SFHA	Special Flood Hazard Area
SFHDF	Standard Flood Hazard Determination Form
SIF	Standard Interchange Format
SOMA	Summary of Map Actions
SOS	Status of Studies
SOW	Statement of Work
SPR	Special Problem Report
SWEL	Stillwater Flood Elevation
SWFL	Stillwater Flood Level

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T

TBM	Temporary Bench Mark
TCS	(Standard Flood Hazard) Tracking and Correspondence System
TIGER	Topologically Integrated Geographic Encoding and Reference (System)
TIN	Triangulated Irregular Network
TSDN	Technical Support Data Notebook
TVA	Tennessee Valley Authority

U

USACE	U.S. Army Corps of Engineers
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
USGS-DLG	U.S. Geological Survey Digital Line Graph (Format)
UTM	Universal Transverse Mercator

V

VAX	Virtual Address Extension
VE	Rigid Vegetation Line
VMAS	Vertical Map Accuracy Standard
VMS	Virtual Memory System
VPF	Vector Product Format

W

WAN	Wide Area Network
WHAFIS	Wave Height Analyses for Flood Insurance Studies (Computer Program)
WIS	Wave Information Study
WORM	Write Once Read Many (CD-ROM Drive)
WSEL	Water-Surface Elevation
WWL	Wind/Water Line

X

XDS	Existing Data Study

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