

Appendix B

Abbreviations and Acronyms

1-D.....	One dimensional
2-D.....	Two-dimensional
3-D.....	Three-dimensional
2DRMS	Two (standard) deviations root mean square
A-E	Architect-Engineer
A/S.....	Anti-Spoofing
ABGPS.....	Airborne GPS
ACSM	American Congress on Surveying and Mapping
AFARS.....	Army Federal Acquisition Regulation Supplement
ALTA.....	American Land Title Association
APC	Antenna phase center
ARP	Antenna reference point
ASCE	American Society of Civil Engineers
ASPRS	American Society of Photogrammetry and Remote Sensing
BIH.....	Bureau International Heure
C/A-code	Coarse Acquisition Code
CADD	Computer Aided Design and Drafting
CDC	Consecutive Doppler Counts
CDMS	Continuous Deformation Monitoring System
CEP	Circular error probable
CID	Continuously Integrated Doppler
cm.....	centimeter
CONUS.....	Continental United States
CORS.....	Continuously Operating Reference Station
CTP.....	Conventional Terrestrial Pole
CW.....	Civil Works
DFARS.....	Defense Federal Acquisition Regulation Supplement
DGPS	Differential GPS
DMA	Defense Mapping Agency (now NIMA)
DOP	Dilution of Position
DoD	Department of Defense
DoT.....	Department of Transportation
E&D.....	Engineering and design
ECC	estimated construction cost
ECDIS	Electronic Charting and Information System
ECEF.....	Earth centered earth fixed
EDM	electronic distance measurement
EFARS	Engineer Federal Acquisition Regulation Supplement
EM	Engineer Manual
EP	Engineer Pamphlet
ER.....	Engineer Regulation
ERDC.....	Engineer Research and Development Center
FAA	Federal Aviation Administration
FAR	Federal Acquisition Regulation
FFP	Firm fixed-price
FGCC	Federal Geodetic Control Committee
FGCS.....	Federal Geodetic Control Subcommittee
FGDC.....	Federal Geographic Data Committee

FOC	Full Operational Capability
FRP	Federal Radionavigation Plan
FRS	Federal Radionavigation Systems
ft	foot or feet
FY	Fiscal Year
G&A	General & Administrative (overhead)
GDOP	Geometric dilution of precision
GIS	Geographic Information System
GLONASS.....	Global Orbiting Satellite Navigation System
GNSS	Global Satellite Navigation System
GPS.....	Global Positioning System
GRS 80.....	Geodetic Reference System of 1980
HARNS.....	High Accuracy Reference Networks
HDOP	Horizontal dilution of precision
HI.....	Height of Instrument
HPGN	High Precision Geodetic Network
HQUSACE	Headquarters, US Army Corps of Engineers
IDC	Indefinite Delivery Contract
IERS.....	International Earth Rotation Service
IGE.....	Internal Government Estimate
IGLD 55	International Great Lakes Datum of 1955
IGLD 85	International Great Lakes Datum of 1985
IGS.....	International GPS Services
IID	Intermittently Integrated Doppler
IMU	Inertial Measurement Unit
IOC	Initial Operating Capability
IRON	Inter Range Operation Number
ITRF.....	International Terrestrial Reference Frame
JPO	Joint Program Office
KO	Contracting Officer
LAAS.....	Local Area Augmentation System
LIDAR	Light Detection and Ranging
LMN	Local Notice to Mariners
m.....	meter
M-code	Military code
MHz.....	Megahertz
MSC.....	Major Subordinate Command
MSE.....	Mean square error
NAD 27	North American Datum of 1927
NAD 83	North American Datum of 1983
NANU	Notice: Advisory to Navigation Users
NASA	National Aeronautics and Space Administration
NATO	North Atlantic Treaty Organization
NAVCEN	Navigation Center (US Coast Guard)
NAVD 88	North American Vertical Datum of 1988
NGRS.....	National Geodetic Reference System
NGS	National Geodetic Survey
NGVD 29	National Geodetic Vertical Datum of 1929
NIMA.....	National Imagery and Mapping Agency
NIS.....	Navigation Information Service
NMEA.....	National Maritime Electronics Association

NOAA National Oceanic and Atmospheric Administration
NOS National Ocean Service
NOTAM Notice to Airmen
OCONUS Outside the Continental United States
OPUS On-Line Positioning User Service
OTF On-The-Fly
P-code Precise Code or Precision Code
PDOP Positional Dilution of Precision
PPS Precise Positioning Service
PRC Pseudorange correction
PRN Pseudo-Random Noise
PROSPECT Proponent Sponsored Engineer Corps Training
PVT Position-Velocity-Time
RINEX Receiver INdependent EXchange
RMS Root mean square
RTCM Radio Technical Commission for Maritime Services
RTK Real-Time Kinematic
S/A Selective availability
SCOUT Scripps Coordinate Update Tool
SIS Signal in space
SPCS State Plane Coordinate System
SPCS 27 State Plane Coordinate System of 1927
SPCS 83 State Plane Coordinate System of 1983
SPS Standard Positioning Service
TEC Topographic Engineering Center
U/M Unit of Measure
U/P Unit Price
UERE user equivalent range error
UHF Ultra high frequency
URE User range error
USACE US Army Corps of Engineers
USFS US Forest Service
USGS US Geological Survey
UT Universal Time
UTC Universal Time Coordinated
UTM Universal Transverse Mercator
VAC Volts alternating current
VDC Volts direct current
VDOP Vertical dilution of precision
VHF Very high frequency
VLBI Very long baseline interferometry
WAAS Wide Area Augmentation System (FAA)
WGS 84 World Geodetic System of 1984