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 Precision
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
GLONOSS .....Global Orbiting Satellite Navigation System
GNSS .....Global Satellite Navigation System
GPS .....Global Positioning System
GRS80.....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
IGLD55.....International Great Lakes Datum of 1955
IGLD85.....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
NAD27.....North American Datum of 1927
NAD83.....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)
NAVD88.....North American Vertical Datum of 1988
NGRS.....National Geodetic Reference System
NGS.....National Geodetic Survey
NGVD29.....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
NSRS.....National Spatial Reference System
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
RTN.....Real-Time Network
S/A .....Selective availability
SCOUT .....Scripps Coordinate Update Tool
SIS.....Signal in space
SPCS .....State Plane Coordinate System
SPCS27 .....State Plane Coordinate System of 1927
SPCS83 .....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
VRS.....Virtual Reference Station
WAAS.....Wide Area Augmentation System (FAA)
WGS84.....World Geodetic System of 1984