

GNSS AIDS AND APPLICATIONS (RP 4.2.5)

Existing non-space-based navigation aids – Non-directional Beacons, Very High Frequency Omnidirectional Radio, Distance Measuring Equipment, Long Range Radio Navigation (LORAN), OMEGA (4)

Early space-based navigation systems, Introduction and basic principles of operation of GPS, GLONASS and GALILEO, International GPS Service (IGS) (8)

Differential GPS (DGPS), Satellite based augmentation system (SBAS) – principle of operation, Minimum Operational Performance Standard (MOPS) of SBAS, PDOP, VDOP, HDOP, GDOP, GIVE, UIVE, Different operational SBAS – Wide Area Augmented System (WAAS), European Geostationary Navigation Overlay System (EGNOS), MTSAT based SBAS (MSAS), GPS and Geo-Augmented Navigation (GAGAN) (12)

International Civil Aviation Organization (ICAO) standards for application of GNSS, Aviation GPS Signal-In-Space Performance (6)