



Preliminary assessment of the basic navigation and precise positioning performance of BDS

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Following the general guideline of starting with regional services and then expanding to global services, the Bei-Dou Navigation Satellite System(BDS) is steadily accelerating the construction. By the end of 2012, the BDS already consists of fourteen networking satellites, including five GEO satellites, five IGSO satellites, and four MEO satellites, and owns full operational capability for China and its surrounding areas. Both basic navigation and precise positioning performance of current BDS (with 5GEO+5IGSO+4MEO satellites) during January to December of 2013 are evaluated in this presentation. In China and its surrounding area, the positioning accuracy using BDS opening service is about 10 meters in both horizontal and vertical direction. Users can get high precise service using BDS only, and both BDS and GPS users can be benefitted from combination of the two systems.