BEIDOU PERFORMANCE STANDARD PUBLISHED

Through the good offices of the Royal Institute of Navigation we have been informed that an English version of the BeiDou Navigation Satellite System Public Service Performance Standard has been published.

The document (Version 1.0) details the Public Service Performance parameters of the BeiDou system (BDS), including service area, accuracy, integrity, continuity and availability. It is published as 'a basic commitment to customers from BeiDou system providers, but also an important basis for customers to choose, use and evaluate the system performance'.

The BeiDou space constellation ultimately will comprise 35 satellites to provide a global service. With a current space constellation of 14 operational satellites, it has provided open services to much of the Asia-Pacific region since December 2012.

The published document specifies the BDS open service performance standard at the current stage, with 14 satellites. It includes the Service Accuracy Standard (95% probability):

-Position accuracy (horizontal) <=10m
-Position accuracy (vertical) <=10m
-Velocity accuracy <=0.2m/s
-Time accuracy <=50ns

The Performance Standard and Signal In Space Interface Control Document (SIS ICD), in Chinese and English, can both be downloaded in English and Chinese from the BeiDou website at: www.beidou.gov.cn


Beidou stands for the promotion of international co-operation with application of the system in aviation, maritime and mobile communication spheres.