Status and Development Plan of Beidou System and Applications in Transportation

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Introduction of BDS

Current Development of BDS in transportation

Future of BDS in transportation
Development of BDS

Step I (2003)
- Constructed

Step II (2012)
- Constructed

Step III (2020)
- Under construction

Transportation is always the most important user of BDS.
Currently, BDS provides regional services in the Asia-Pacific area with 10 meters position accuracy. Around China, BDS provides the short message services (RDSS), which is a very useful function for transportation.
BDS in 2020

BDS will provide services for the countries along the "One Belt and One Road" region in 2018 and global service in 2020.
Transportation is an important area of BDS applications.

Transportation is the largest industrial user of BDS. Some demonstration projects has been supported to provide better service for user.
BDS applications for road safety

In 2011, the "Key Transport Process Monitoring and Management Service System Project" was launched. Now, over 5 million vehicles have been connected to enhance the level of road safety.
BDS applications for maritime safety

In 2014, the Maritime Search and Rescue Information System Demonstration Project was launched to build distress alert management system. Using BeiDou positioning, short message communication services are to serve the maritime search and rescue areas.
BDS applications for high accuracy position

Contribution to the national Beidou ground-based augmentation system, which includes 175 stations, transportation can support high-precision services.
Under the frameworks of different organization, BDS will actively promote the cooperation around the globe.
Future of BDS in transportation
Focus on our daily lives in transportation

In future, each mode of transportation will benefit from the high accuracy, high reliable GNSS services.

In case of transportation, we will provide better travelling experience for each participates.
To continually improve the safety issue in transportation, BDS with other new technologies will be integrated to support better transportation.
Promote the mobility of transportation

We will continue to research and promote the mobility in the society using Beidou. Besides the intelligent vehicle itself, we will also focus on the intelligent road infrastructure, i.e. the V2X service. In near future, BDS high accuracy service will be part of road infrastructure.
BDS , SEARVE THE WORLD !