

SPACE COMMUNICATIONS AND NAVIGATION SYMPOSIUM (B2)  
Space-Based Navigation Systems and Services (6)

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## INDOOR MESSAGING SYSTEM

**Abstract**

Emergency Position Notification System has been started its operation in Japan from April 2007, and GPS receivers are equipped to 3rd generation cellular phones. Such trends are making a new stream of positioning information service changed from car to human/object. By realizing information terminals such as smart phones, which can receive IMES signal, such terminals may utilize both positioning signals from original GPS as well as those from Quasi-Zenith Satellite, named "Michibiki" launched by JAXA, at outdoor environment and Positioning data by IMES at indoor. IMES is the technology realized through cooperation with United States GPS program in the framework of GPS Consultation between U.S. and Japanese Government. IMES Consortium mainly aims for broader utilization and growth of Japanese oriented IMES technology and for providing opportunities to exchange information to realize new business development, and continuously make efforts on realizing "sustainable, safe and seamless positioning environment", where not only social infrastructure for "safety and security" but various types of business related to positioning could be created. Also, at the same time, it aims for broader deployment of IMES through activities of international standardization. Major activities of IMES Consortium for the time being are as follows: a)Public relations for broader range deployment and growth of IMES b)Suggestion and advice on standardization of IMES specifications c)Guidelines for utilization and installation of IMES d)Internationalization activities of IMES