



**SPACE-BASED POSITIONING  
NAVIGATION & TIMING**

NATIONAL EXECUTIVE COMMITTEE

**Asia Pacific Economic Cooperation (APEC)**

**Promoting Global Navigation Satellite  
Systems (GNSS) Applications**

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# Why APEC?



## April 2009 Transportation Ministerial Statement

- We instruct the Working Group to include activities addressing the implementation of selected integrated technologies in the management and operation of intermodal transportation such as the ITS, the Global Navigation Satellite Systems (GNSS) and the Secure and Smart Containers (SSC). We encourage the development of international standards through liaison with the ISO, workforce training, information sharing, and research on transportation systems, and improve supply chain management processes in an environmentally sustainable way.
- We instruct the Working Group to build upon the work of relevant regional and international multilateral organizations and to avoid duplication of their efforts.



# APEC GNSS Implementation Team (GIT)



- **Promote implementation of regional GNSS augmentation systems to enhance inter-modal transportation and recommend actions to be considered in the Asia Pacific Region**
- **Reports to Transportation Working Group (TPT-WG) through the Inter-modal Experts Group (IEG)**
- **Terms of Reference:**
  - **Facilitate GNSS applications to support seamless intermodal transportation to enhance safety, security, and sustainability.**
  - **Identify actions to facilitate and collaborate on implementation of GNSS applications for transportation in the APEC region, complementing the work of international organizations.**
  - **Provide a public/industry forum to address GNSS technologies related to transportation issues that will benefit the APEC region.**



# Areas for Cooperation



## Multi-modal

Maritime



Air





# Outcome of APEC GNSS Team



- **Met in Singapore (July 26-30, 2009)**
- **Developed a draft Strategy for 2010-2015**
- **Elected a new co-Chair**
- **Submitted a survey proposal to APEC for funding**
- **Received GNSS Reports from 10 APEC economies**



# Next Steps

- **US to host 14<sup>th</sup> Meeting of the GNSS Team  
June 21-24, 2010 in Seattle, Washington**
- **Need for greater involvement of U.S. agencies and U.S. industry in APEC deliberations concerning GNSS technologies and implementation**
- **Need to identify areas where GNSS could enhance the drive for greater GNSS interoperability and compatibility in the transport sector**
- **Anticipate an industry round table as part of the Meeting; also welcoming non-government organizations, such as IGS, FIG and IAG**
- **Seeking opportunities to use GNSS technology to increase energy efficiency, reduce congestion and enhance infrastructure**



# Summary



- **The APEC forum provides an excellent opportunity to interact with Asia Pacific economies on GNSS**
- **U.S. is actively engaged on space-based navigation applications in all modes of transportation**
- **U.S. is seeking opportunities to promote GNSS technology to increase energy efficiency, reduce congestion and improve infrastructure development in the Asia Pacific region**



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