Asia Pacific Economic Cooperation Promoting (APEC) Promoting Global Navigation Satellite Systems (GNSS) Applications

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Maureen Walker

Senior State Department Representative to the National Coordination Office
Why APEC?

2007 APEC Sydney Declaration agreed that “... promoting open, efficient, transparent and flexible economies is vital to:

- continuing economic growth and
- the building of a strong and sustainable future for our Asia-Pacific community.”

5th APEC Transportation Ministerial Statement

- “...encourage[d] member economies to continue reduction of business transaction costs through greater transport efficiency.”

U.S. Delegation to Senior Officials meeting 2008 noted that:

- “application of Space Technology, such Global Navigation Satellite Systems (GNSS), could help improve energy efficiency...”
Who is in APEC?
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)
2008 Priorities of APEC Transportation Ministers

• Recognize transport as a key enabler of trade and greater regional economic integration;

• Ensure that our transportation processes and regulatory frameworks evolve in a way which does not impede economic efficiency and growth;

• Respond to new and emerging transport security, safety and environmental challenges;

• Address the need for appropriately skilled and trained people to support transport growth and development;
2008 Priorities (Cont.)

• Take concerted action to address transport security across all transport modes by recognizing the vulnerabilities of our increasingly networked transportation system;

• Identify opportunities to collaborate widely with other relevant international organizations; and

• Increase the priority placed on road safety.
Areas for Cooperation

Inter-modal
Maritime Experts
Maritime Safety
Aviation
Karen Van Dyke (DOT/RITA) elected co-chair of the GNSS Implementation Team joining Hiroshi Inoguchi of Japan
• Thailand with the support of AEROTHAI hosted a GNSS Technological Innovation Summit in May
• Completed the successful $1 million GNSS test bed project, located in Bangkok and funded by the Trade and Development Administration and supported by the FAA
• Updated the Terms of Reference to take account environmental benefits
• Achieved consensus on a project proposal to survey and assess current applications for surface transportation utilizing GNSS
• Adopted a Program of Action
• The GNSS Implementation Team reported to the Inter-modal Experts Group.

• The IEG was impressed with the GNSS Technological Innovation Summit and the GIT 12 Outcomes and forwarded project proposal to APEC

• GIT contributed to the deliberations in all four working groups (Inter-modal, Maritime Safety, Maritime Experts and Aviation)

• Interest expressed in learning more about GNSS in the Plenary and in the maritime safety group at the next APEC Transportation Working Group
Challenges

• 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 project proposals could enhance the drive for greater GNSS interoperability and compatibility

• Looking for ideas for areas of cooperation in all transportation modes to achieve seamless transportation systems

• 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
Contact Information

Maureen Walker
Senior State Department Representative

To the
National Space-based Positioning, Navigation and Timing Coordination Office
202-482-5809 (office)
Maureen.walker@pnt.gov

pnt.gov
gps.gov
apecgit.org
BACKUP SLIDES
Who is in APEC?

- APEC has 21 members referred to as Member Economies. The term Member Economies is used because the APEC cooperative process is predominantly concerned with trade and economic issues, with members engaging with one another as economic entities.
- APEC's 21 Member Economies are: Australia; Brunei Darussalam; Canada; Chile; People's Republic of China; Hong Kong, China; Indonesia; Japan; Republic of Korea; Malaysia; Mexico; New Zealand; Papua New Guinea; Peru; The Republic of the Philippines; The Russian Federation; Singapore; Chinese Taipei; Thailand; United States of America; Viet Nam.
Minister of Transport, Thailand, Sarati Prompat
President of Aerothai, Dr. Priti Hetrakul
Regional Director, ICAO, Mr. Moktar Awan
Co-chairs, APEC GIT Hiroshi Inoguchi and Karen Van Dyke

GNSS Technological Innovation Summit, Bangkok, May 2008