GPS–Galileo Working Group “B” on Trade and Civil Applications

Civil GPS Service Interface Committee
Savannah, GA
September 16, 2008

Ed Morris
Director, Office of Space Commercialization
U.S. Department of Commerce

Paul Verhoef
Head of Galileo Unit
EC Directorate-General for Energy & Transport
Working Groups under the GPS–Galileo Agreement of 2004

A. Compatibility & Interoperability

B. Trade & Civil Applications

Consider, inter alia, non-discrimination and other trade related issues concerning civil satellite-based navigation and timing signals or services, augmentations, value-added services, and global navigation and timing goods

C. Next-Generation GNSS

D. Security Issues
Working Group B Participants

<table>
<thead>
<tr>
<th>United States</th>
<th>European Community</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Dept. of Commerce <em>(co-chair)</em></td>
<td>• DG Transport &amp; Energy <em>(co-chair)</em></td>
</tr>
<tr>
<td>• Dept. of State</td>
<td>• DG Trade</td>
</tr>
<tr>
<td>• Office of U.S. Trade Representative</td>
<td>• Member State reps</td>
</tr>
<tr>
<td>• Dept. of Transportation</td>
<td>• GNSS Supervisory Authority</td>
</tr>
<tr>
<td>• NASA</td>
<td></td>
</tr>
<tr>
<td>• Air Force</td>
<td></td>
</tr>
<tr>
<td>• National Coord. Office</td>
<td></td>
</tr>
</tbody>
</table>
Activities to Date

• First meeting, Jan 2007
  – Opened channel for exchanging information about GPS–Galileo trade issues
  – Addressed many U.S. and EC questions, including status of Galileo concessionaire and process concerning updates to U.S. National Table of Frequency Allocations
  – Initiated joint outreach effort
• Joint fact sheet, Mar 2007
  – Promoting GPS and Galileo as complementary systems for the benefit of end users
• Exchange of letters, Jun-Jul 2007
  – Clarified and documented that all companies are authorized to sell GIOVE-A receivers
• Second meeting, Jul 2008
July 2008 Meeting Summary

- Discussed ideas for expanding joint outreach
- Exchanged info about revised Galileo management structure
- Addressed specific questions about Galileo raised by U.S. industry
- Considered proposals for enabling global equipment manufacturers to develop and test GPS/Galileo receivers on a level playing field
- Exchanged information about U.S. space acquisition processes and policies and the role of European companies in that context
- Initiated limited industry participation
Ongoing Discussion Topics

• Common definition of “non-discriminatory approach” cited in GPS–Galileo Agreement
  – Including applicability of respective WTO commitments to GNSS goods and services

• Terms, conditions, and process for licensing of Galileo Open Service intellectual property
  – Pending EC analysis and subsequent adoption of a IPR policy for Galileo operations under the new Galileo governance
  – “…in due time for allowing the use of the signals broadcasted by the first Galileo satellite in operation”

• Will Galileo be operated as a PPP?

• Expanded U.S. and European industry participation in Working Group B meetings
For More Information

Office of Space Commercialization
U.S. Department of Commerce
www.space.commerce.gov

Galileo Unit
EC Directorate-General for Energy & Transport
ec.europa.eu/dgs/energy_transport/galileo/