Presentation Approach

- User Support Centre
- IISC CPOC Network Development
- Report on EC meeting 29/11
- Introduce Hank Skalski, USC DOD/DOT Liaison Officer
User Support Centre Highlights

- ION GPS Paper 9/00
- Co-ordinate Agency activities
- Requirement to develop civil network
- Reflect performance refinement
IISC Objectives

Statements in the IISC Charter

- ‘Open forum for exchange of information’
- ‘Identify needs for information’
- ‘Respond requests, concerns and issues’
- ‘Maintain CPOC list’
- ‘Support CGSIC role for the IGEB’
CPOC Structure

CGSIC Co-Chair
Captain T Rice

IISC Chair
Mike Savill
*Election pending

Australasia & Pacific
Regional Vice Chair
Keith Mcpherson

Europe
Regional Vice Chair
George Weber

Japan & Far East
Regional Vice Chair
Hiroshi Nishiguichi

North America
Regional Vice Chair
Denis Hain
Kim Lockhead

Other Regions
Africa
Middle East
South America
CPOC Invitations and Acceptances

Asia and the Far East:

- China
- Japan
- Malaysia
- Taiwan
- Hong Kong
- Korea
- Philippines
CPOC Invitations and Acceptances

Australia and the Pacific:

Australia
Indonesia
New Zealand
CPOC Invitations and Acceptances

North America:

Canada

United States
CPOC Invitations and Acceptances

Other Regions:

Egypt
Israel
Saudi Arabia
Tunisia

India
Kenya
South Africa
Yemen
## CPOC Invitations and Acceptances

### European Region:

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<tr>
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<td>Belgium</td>
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<td>Switzerland</td>
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<td>United Kingdom</td>
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CPOC Progress

- Initial Database created
- Validation exercise underway
- New POC for India
- Representation from five continents
- Identification of CPOC candidates
- Exploratory meeting with EC
The Future

- Co-ordinated Global meetings
- International and National representation
  - Institutional organisations
  - ITS authorities
- Spectrum co-ordination maintenance?
- Obtain benefits from the exploitation of Information Society Technologies
Summary

- Need to meet diverse needs
- Natural for credible IISC CPOC network to fit with generic GNSS use
- Despite product difficulties, action to establish CPOC database nearly complete
- Optimism for EC to support integrated GNSS information exchange network
- Important to recognise the necessity of the role typified by the User Support Centre in all GNSS systems and services
User Support Centre

Over to Hank Skalski ......
GPS User Support

Civil GPS Service Interface Committee
International Information Subcommittee
Monaco Meeting

November 12, 2000

Hank Skalski
US Department of Transportation
Overview

🌟 GPS User Support

🌟 Joint GPS User Support Service
🌟 Support Services
🌟 Bringing it all together
🌟 GPS Interagency Notification Team (GIaNT)
GPS User Support

- Joint GPS User Support Service
  - Continuous performance monitoring
  - Coordinated collection, analysis, and distribution of information related to GPS performance, anomalies, and service disruption or degradation
  - Efficient / Timely response to user problem reports and requests for information
The Core

Established in DOT/DoD MOA, Annex 3

Formal Requirements to be documented

Detailed MOA’s between each organization

Core process in place and working

USCG NIS

FAA NOCC

USSPC GSC

Joint GPS User Support Service
The Core

Support to all Civil GPS users
- All but Aviation
- International

Support to Aviation GPS users
- ICAO
- Eurocontrol

Support to Military GPS users

Joint GPS User Support Service
Support Services

GPS Technical Support

Signal-in-space Performance Reporting

Facilitate Service Disruption Resolution

USCG / FAA Interface

Anomaly & Interference Tracking Database

USSPC GPS Support Center
Support Services

GPS Technical Support

2SOPS GPS Support Center

Signal-in-space Performance Reporting
Facilitate Service Disruption Resolution
Anomaly & Interference Tracking Database

USCG / FAA Interface
Support Services

Civil GPS Information Dissemination

DGPS/NDGPS Performance Reporting

USCG Navigation Information Service

FAA / USSPC Interface

Notice to Mariners

Web site, List Server, Fax Back, & Voice Recording

Civil Outreach
Bringing it together!

GPS User Advisory and Reference Database (GUARD)

- 2SOPS GSC
- FAA NOCC
- USCG NAVCEN
- Other Sources
Identifying the requirements

- Develop an Implementation Plan
- Complete an Analysis of Alternatives
- Identify Users
- Identify and validate user requirements

GPS User Advisory and Reference Database (GUARD)
Stacking the requirements

GPS User Advisory and Reference Database (GUARD)
Information Dissemination

The right information

To the right place

GPS User Advisory and Reference Database (GUARD)

At the right time
Information Dissemination

GPS User Advisory
and
Reference Database
(GUARD)
Information Dissemination

GPS User Advisory and Reference Database (GUARD)
Information Dissemination

GPS User Advisory and Reference Database (GUARD)
Information Dissemination

GPS User Advisory and Reference Database (GUARD)

Joint GPS Support Service
GPS Interagency Notification Team (GIaNT) brings the GPS User Support Services to all GPS users. Information Dissemination through GPS User Advisory and Reference Database (GUARD) and International Coordination.
The U.S. is committed to GPS User Support

- Core processes/responsibilities identified
- Joint GPS User Support Service (Virtual) initiated
- GIaNT established
- GUARD concept development
- Provide timely GPS information to users worldwide
- Continue and enhance the interaction with all GPS users
Questions?

Your access to the Joint GPS User Support Service

U.S. Coast Guard Navigation Center

Navigation Information Service

Website:  http://www.navcen.uscg.mil

E-mail:  nisws@smtp.navcen.uscg.mil

Phone:  +01 703 313 5900