

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

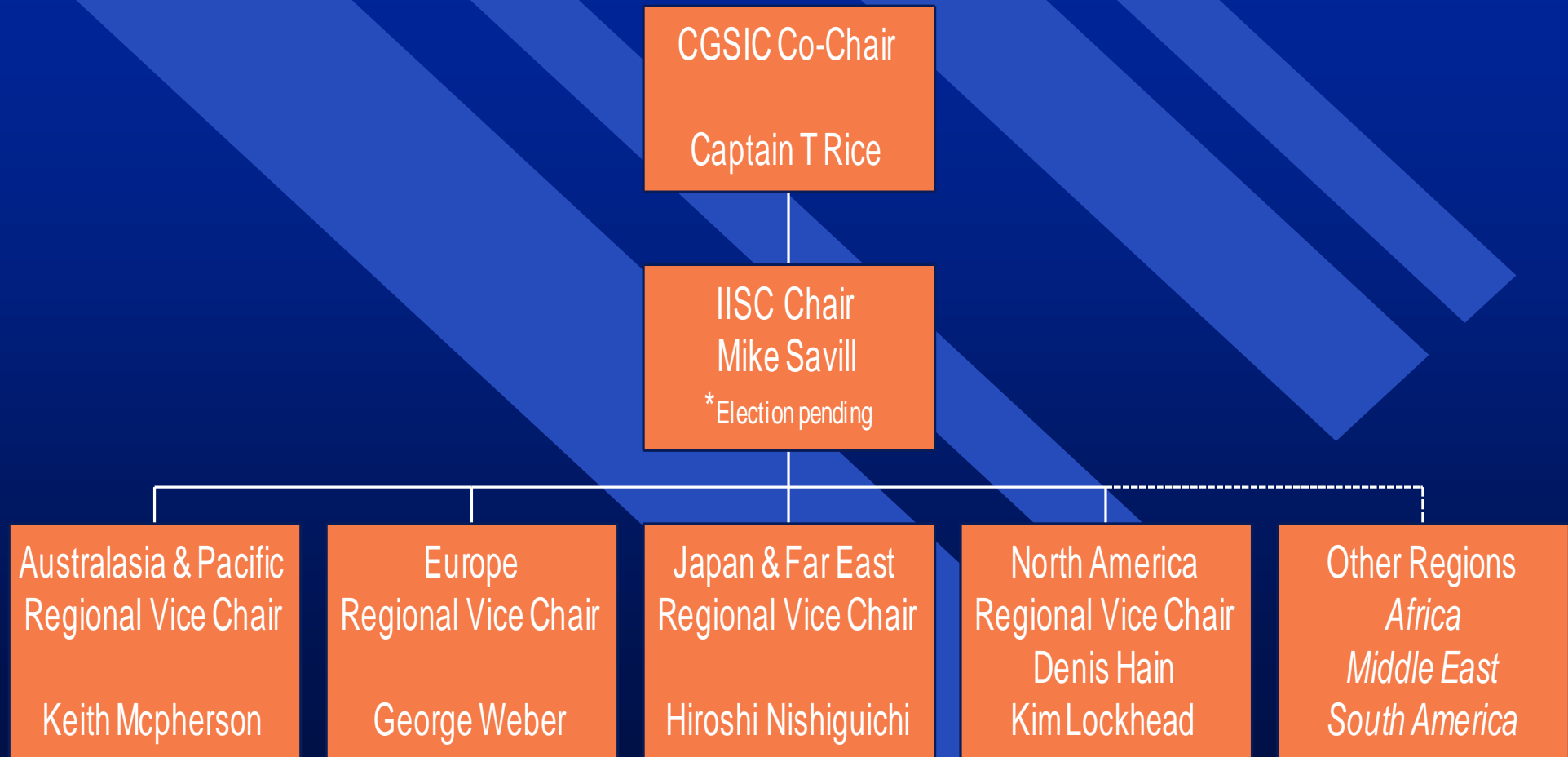
- ION GPS Paper 9/00
- Co-ordinate Agency activities
- Requirement to develop civil network
- Reflect performance refinement

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



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

New Zealand

Indonesia

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:

Belgium

Denmark

Germany

Ireland

Norway

Portugal

Spain

Switzerland

United Kingdom

Czech Republic

France

Greece

Netherlands

Poland

Russia

Sweden

Turkey

Ukraine

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

Detailed MOA's between
each organization

Formal Requirements
to be documented

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

USCG
NIS

FAA
NOCC

Support to
Aviation GPS users

- ICAO
- Eurocontrol

USSPC
GSC

Support to
Military GPS users

Joint GPS User Support Service



Support Services

GPS Technical Support

Signal-in-space
Performance
Reporting

USCG / FAA
Interface

**USSPC
GPS Support
Center**

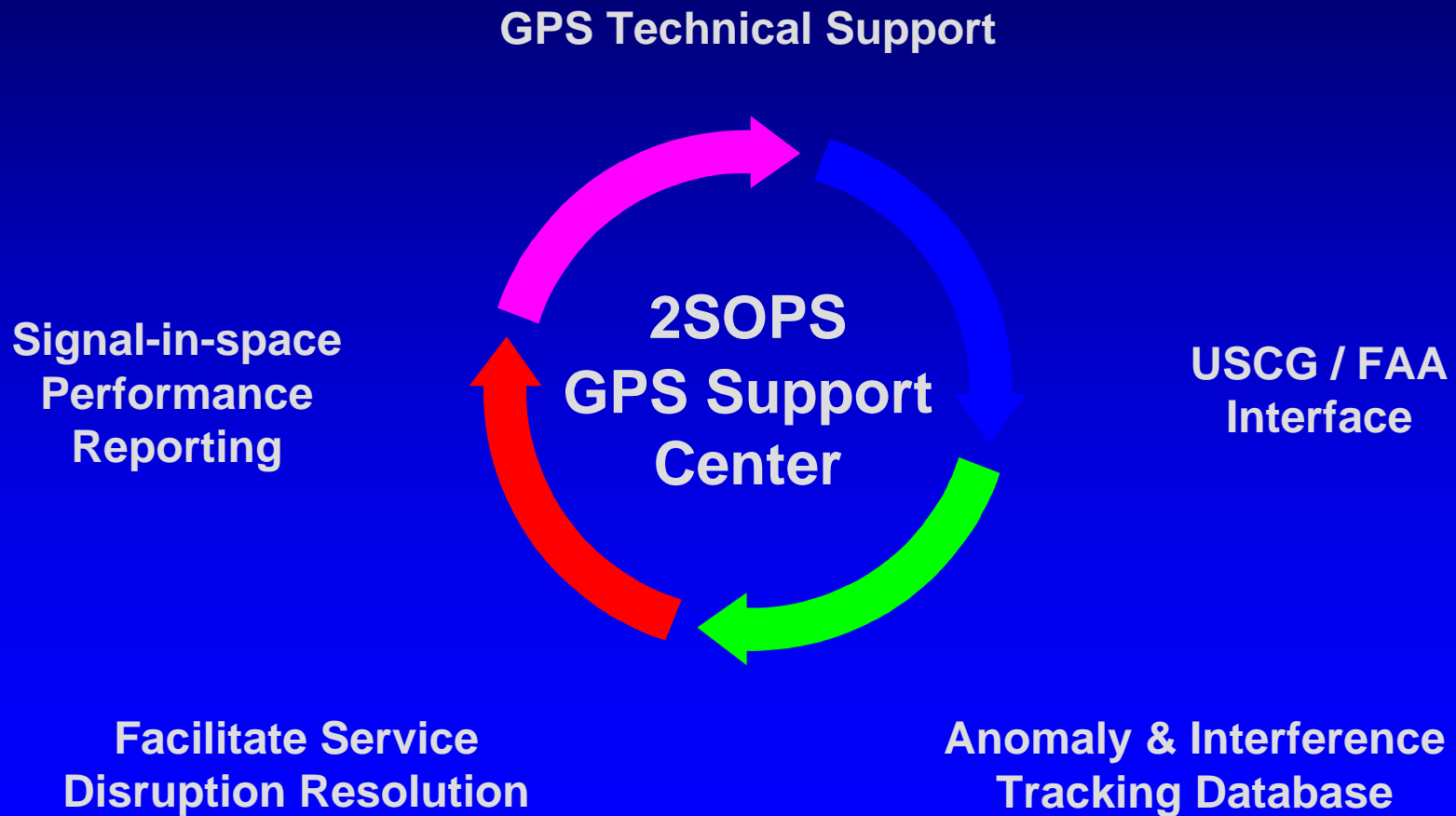
Facilitate Service
Disruption Resolution

Anomaly & Interference
Tracking Database



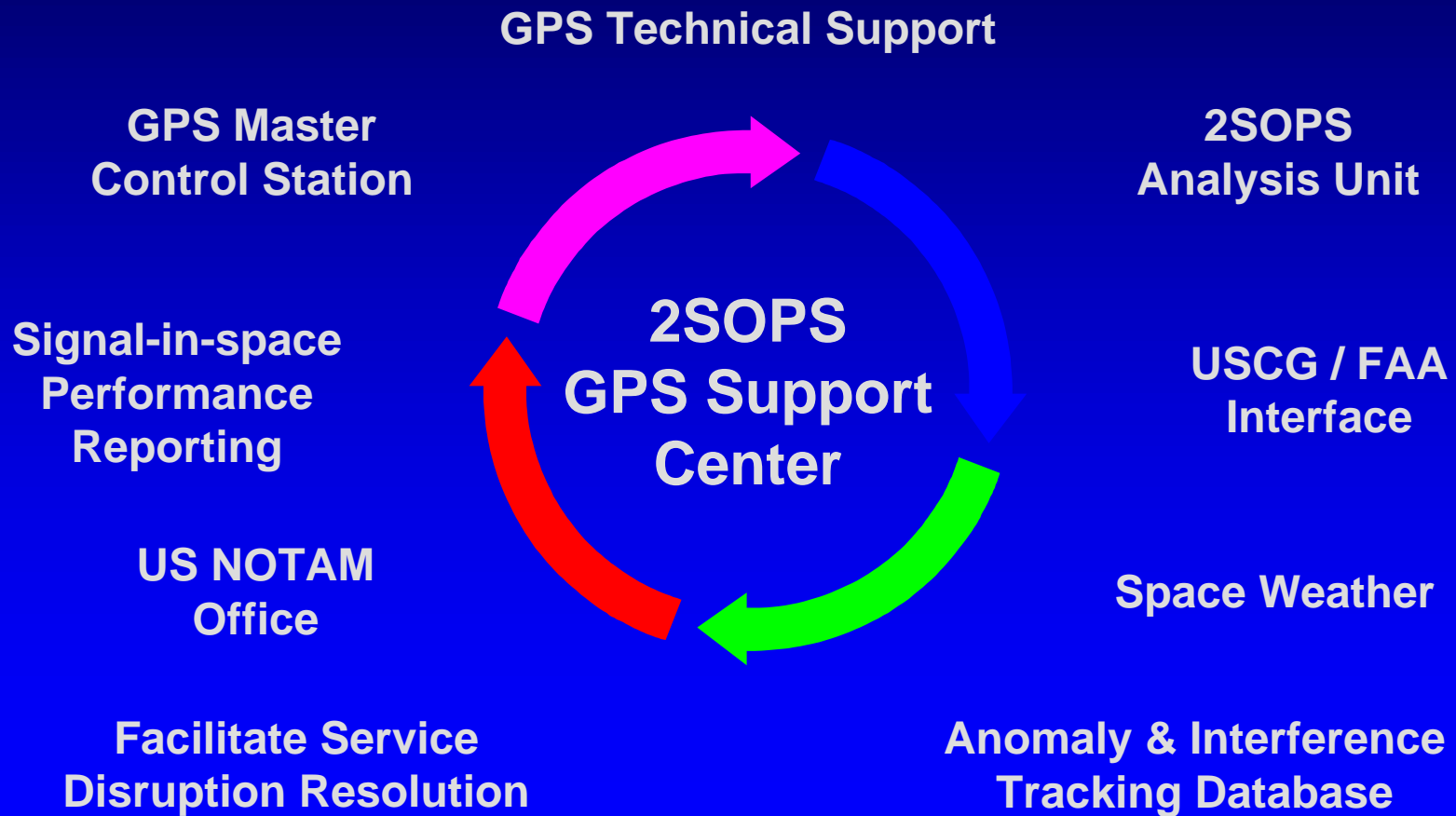


Support Services





Support Services





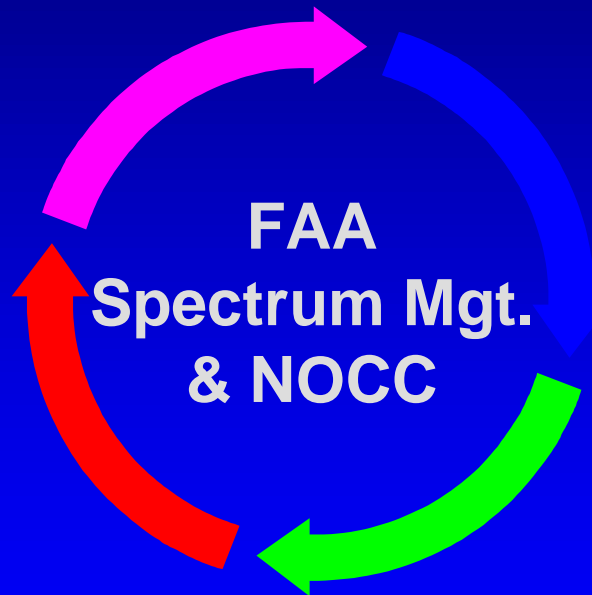
Support Services

GPS Test Coordination

Notice to Airman
(NOTAM)

WAAS/LAAS
Performance
Reporting

USCG / USSPC
Interface



Spectrum Protection

Interference Mitigation



Support Services

**Civil GPS
Information Dissemination**

Notice to Mariners

**DGPS/NDGPS
Performance
Reporting**

**USCG
Navigation
Information
Service**

**FAA / USSPC
Interface**

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

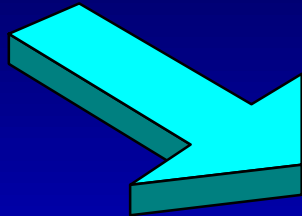
Civil Outreach



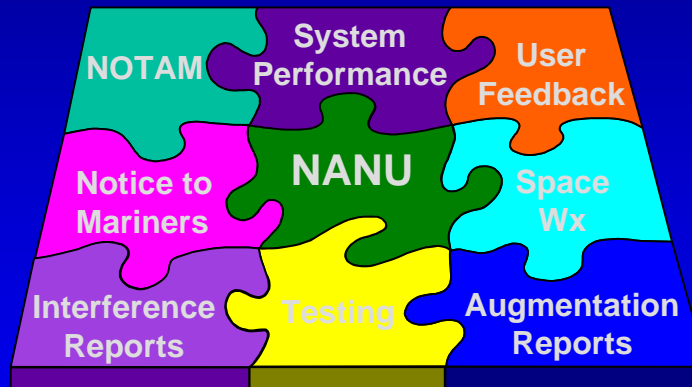
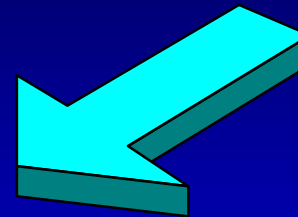


Bringing it together!

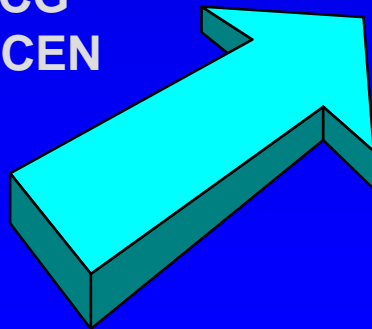
2SOPS
GSC



FAA
NOCC

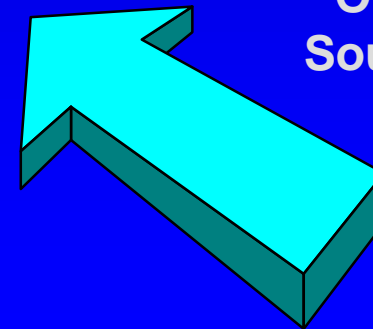


USCG
NAVCEN



**GPS User Advisory
and
Reference Database
(GUARD)**

Other
Sources





Identifying the requirements

**Develop an
Implementation Plan**

Identify Users



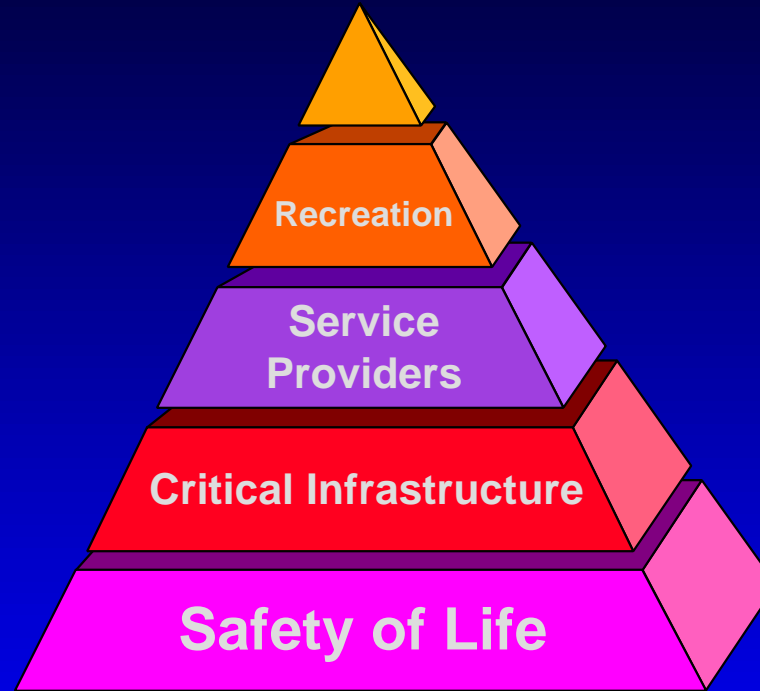
**Complete an
Analysis of Alternatives**

**Identify and validate
user requirements**

**GPS User Advisory
and
Reference Database
(GUARD)**



Stacking the requirements



(notional)

**GPS User Advisory
and
Reference Database
(GUARD)**

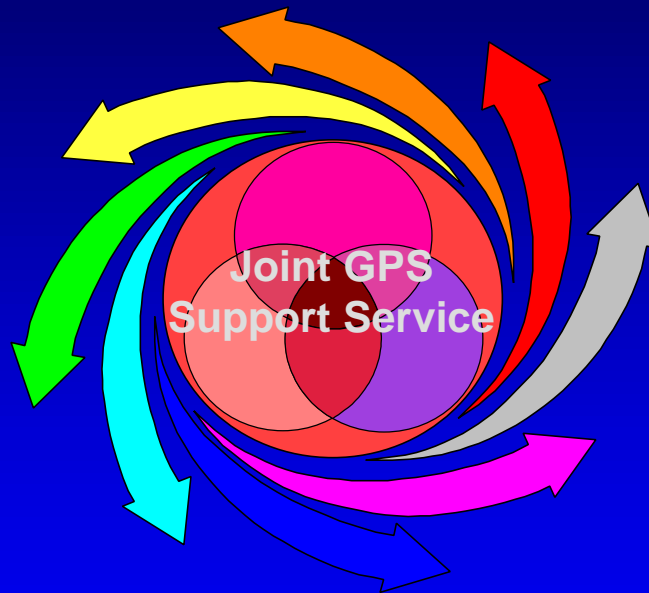


Information Dissemination

The right information

To the right place

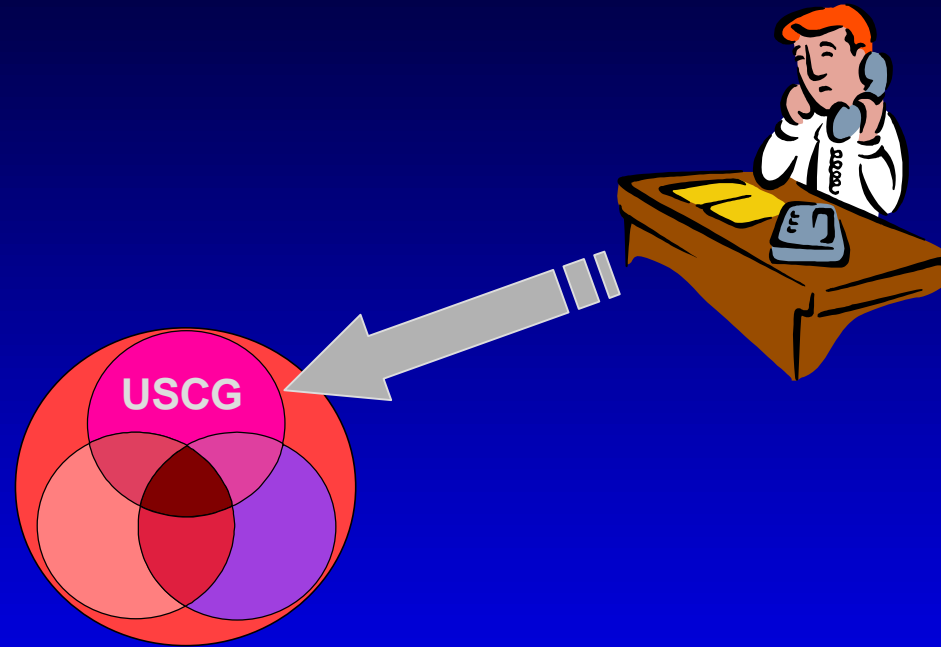
At the right time



**GPS User Advisory
and
Reference Database
(GUARD)**



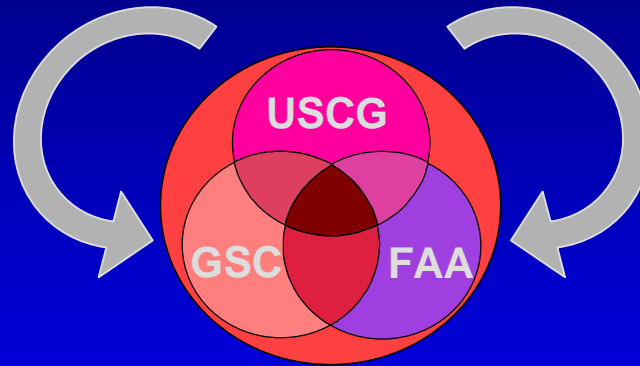
Information Dissemination



**GPS User Advisory
and
Reference Database
(GUARD)**



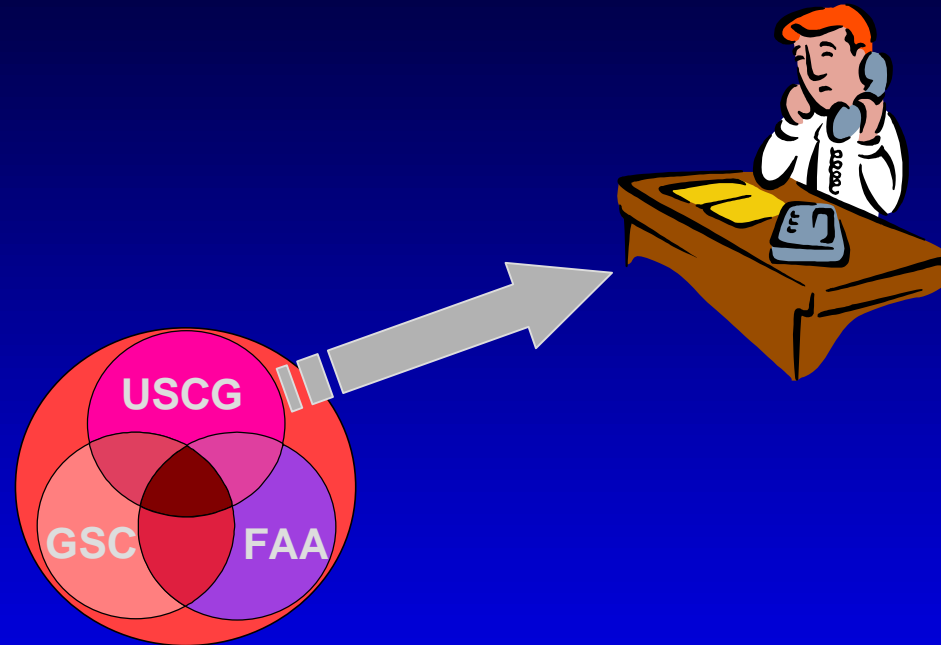
Information Dissemination



**GPS User Advisory
and
Reference Database
(GUARD)**



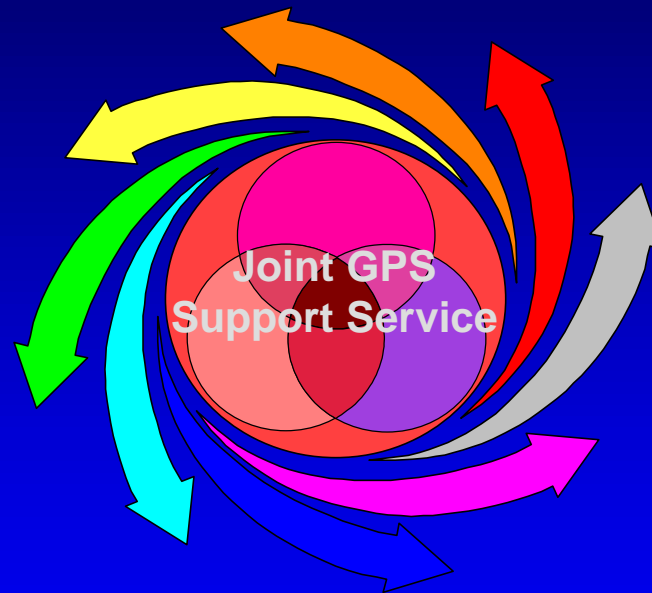
Information Dissemination



**GPS User Advisory
and
Reference Database
(GUARD)**



Information Dissemination

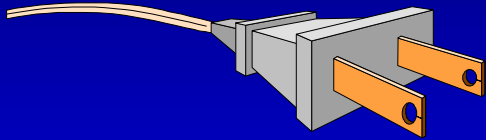


**GPS User Advisory
and
Reference Database
(GUARD)**

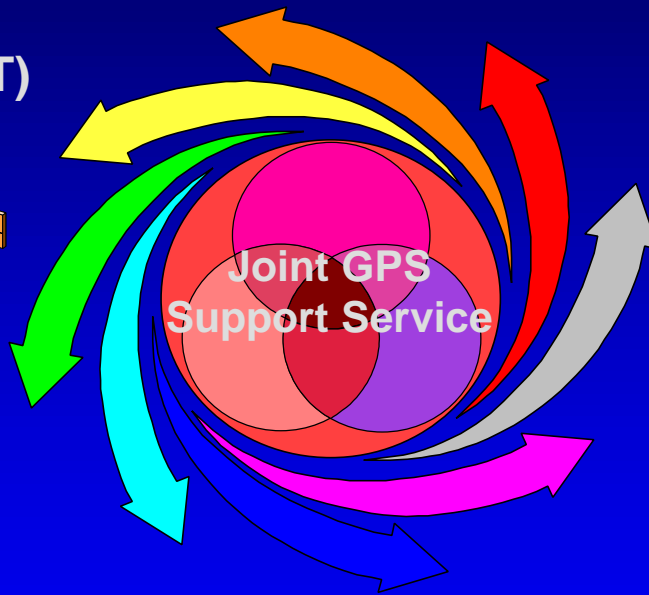


Information Dissemination

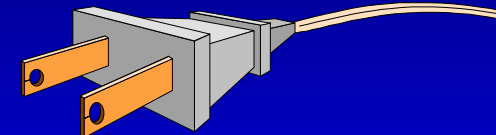
**GPS Interagency
Notification Team (GlaNT)**



**Brings the GPS
User Support Services
to all GPS users**



**International
Coordination**



**GPS User Advisory
and
Reference Database
(GUARD)**



Summary

* 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