### **Country Report from Japan**

# Two of the Principle Act for GNSS utilization in Japan

The 48th CGSIC, 15-16 Sept, 2008 at Savannah, Georgia

Hiroshi Nishiguchi Japan GPS Council

# Two of the Principle Act related with GNSS effective uses have been established

[National Spatial Data Infrastructure]

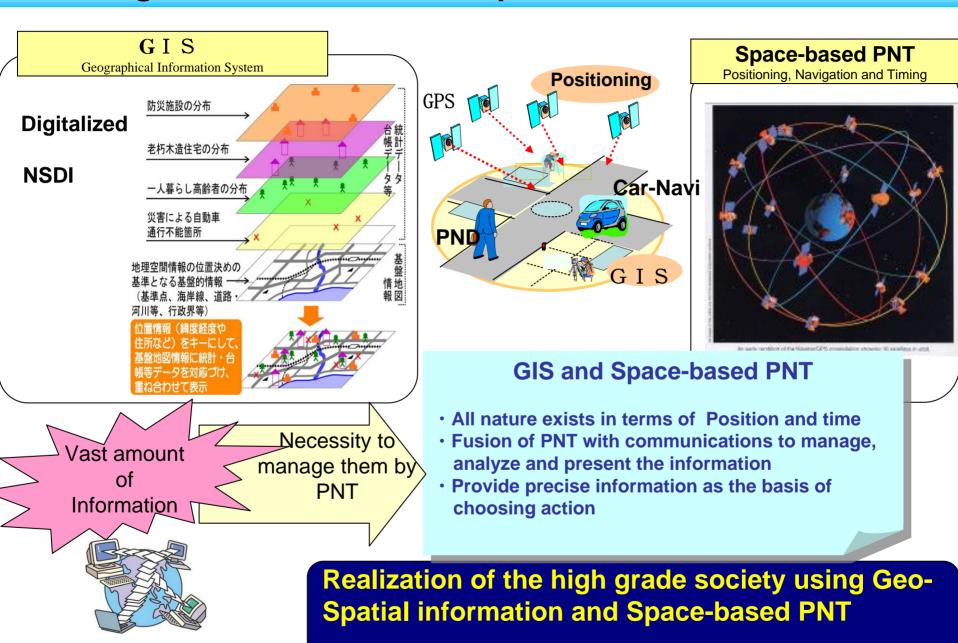
(2) May 2008 : The Principle Act on **Space Development** and Utilization **Space Development** 

Both was submitted to the National Diet and was established as the Diet Members Proposition through the consensus reached among three major political parties in Japan.

## **Basic Implementation Plan**

- (1) The Implementation Plan for NSDI:
  Published in April 2008 by the Cabinet Secretariat
  through the Cabinet approval
- (2) The Implementation Plan for Space Principle Act: Just under preparation and will be published by the end of March 2009, subject to the Cabinet approval.
  - Headquater : the Cabinet
  - Coordination office :
    - "Secretariat of Headquaters for Space Policy"

### Significance of National Spatial Data Infra (NSDI)



# Significance of the Principle Act

- (1) To specify clearly the Definition under the NSDI Act;
  - What is 「Geo-Spatial Information」 (NSDI)
  - What is 『GIS』 (Geographical Information System)
  - What is Space-based PNT
- (2) Importance of NSDI through synergistic effects of the measures for GIS and Space-based PNT

(3) Restructuring of communication and coordination framework among the related Ministerial Offices

# Relation between two Principle Act for NSDI and Space Utilization Policy



### Space Act

■ Establishment of a new commanding body which is organized to promote

the measures for the space exploration in an integrated and planned manner.

■ Space-based PNT matters are solved as part of the above measures, including

positioning information system.

NSDI Act

inclusive in the space exploration and utilization in

will be promoted based on the Basic Space Plan to be worked out by Promotion of Geo-Spatial Data Infrastructure, and measures (GIS and PNT)

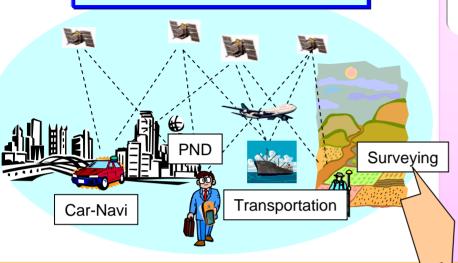
in an integrated and systematic manner.

■ The satellite positioning plays an important role for utilization of NSDI. This Act

has stinulated communication and coordination regarding the

#### To communicate and coordinate with GNSS providers

**PNT** is widely utilized in Japan



Communication and coordination with the operators of GNSSs must be made

Ouse of PNT depends heavily on GPS

Periodical get together of "US-Japan GPS Talk"





For stable utilization of GPS in Japan

PNT in Japan is totally dependent on Others

It is imperative to secure effectively the environment to obtain reliable GNSS services in a stable manner



Useful information such as satellite unhealthy must be provided to people

Study on the system to deliver such information on operating status, etc of GNSSs must be conducted

OStatus information of GNSS providers (GPS, GLONASS, Galileo etc) is needed

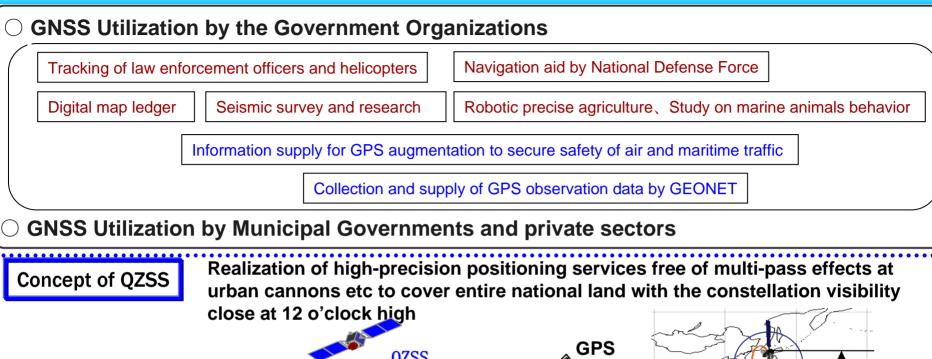
Participation to the UN ICG and providers forum

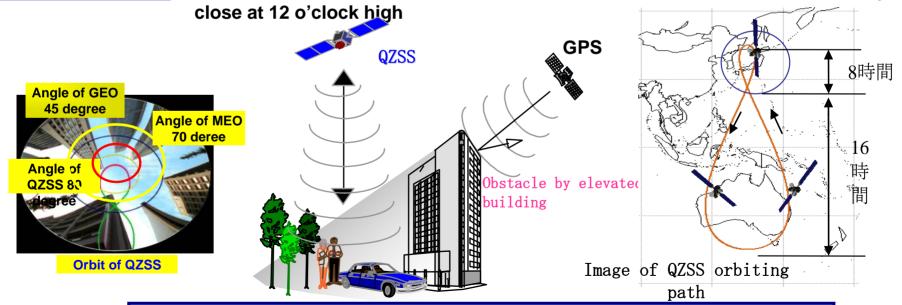


As J-Government, to promote coordination and cooperation among GNSS provider countries

GPS : Global Positioning System

### Acceleration of R&D for GNSS Utilization and Technology





Major feature is the provision of high precision PNT in entire Japan