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Country Report of Viet Nam *

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VIET NAM REPORT ON DEVELOPMENT OF GEOSPATIAL INFORMATION SYSTEM

Geographic Information System was built and applied successfully in the fields of environmental resource management and economic development by some development countries.

In Vietnam, the national geospatial information system has not been built yet. Since 1990s, in a number of provinces and cities, ministries and agencies, the thematic database, natural resources and environment database for management works have been established. Almost all of these systems are separated and the collected data is not standardised, therefore, the sharing of these data is a problem and the data update is not considered. So the construction of national geospatial information system is very essential. This system is responsible in unifying, managing and sharing geographic information data for planning and national development. Realizing the importance of national geospatial information system, strategy on development of survey and mapping of Viet Nam towards 2020 has objectives as follows:

To ensure development and provision of geographic information completely, exactly and timely to serve requirements of state management of the territory, land, natural resources and environment, activities economic - social security, defense and science research about earth.

To establish a network for data transferring between the sectors and provide data for state management works, socio-economic development, national security, research,

education, international cooperation, and the other demands and requirements from society and community.

In order to obtain this goal, Vietnam has been implementing the following tasks:

1. Building geographic database:

In recent years, Vietnam has gradually improved geographic database to serve the development of National geospatial information system. The geographic database has been established according to national standard geographic, including:

- Establishment of geographic database at the scale of 1:2000, 1:5000 in the urban, industrial, and important economic areas. (Implemented within 2008-2011).
- Establishment of geographic database at scale of 1:10000 with the DEM for whole the territory of Vietnam. (Implemented within 4 years from 2008-2011).
- Establishment of management system for geographic database and survey and mapping data. The implementation time is from 2007 to 2012.

2. Develop standard national geographic information:

To unify the geographic data, Vietnam has issued national standards on geographic information is as follows:

- Regulation on application of national geographic information standard was issued in 2007.
- National technical Regulations on building height network was issued in 2008.

The standard rules for geographic information in Vietnam are based on standard geographic information ISO/TC211.

3. The policy regarding administration system of geo-spatial information management as following :

- Decree 12/2002/ND-CP of Viet Nam government on survey and mapping activities. This degree stipulates National mapping organization has responsibility in establishing, storing and maintaining reference system, National original geodesic data, national height points system, aerial – photo, topographic maps, administrative maps, national geographical database. GDLA is responsible for implementation of land inventory, survey, evaluation, classification and cadastral

mapping, guide and generalize land statistics and inventory data; establish and manage land records. The local organizations (Provinces) stores and maintains data covering in that local area, as follows: base geodesic points system, topographic maps, cadastral maps, administrative maps, geographic information and land information system.

- Circular 110/2008/TT-BTC stipulates reception and management on supply fees of survey and mapping data.

- Circular 03/2007 stipulates management and supply of topographic map.

To continue to implement the objectives of our strategy, Vietnam expects to get assistants of other countries, particularly countries with extensive experiences in the construction, application and development of national geospatial information system.