

Royal Thai Survey Department

The Thai National Report of Thailand on Cartography during the period of 2007-2011

Submitted to the 15th General Assembly of the International Cartographic Association

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1. Background

Modern map surveying in Thailand began during the reign of King Chulalongkorn in 1875. The Mapping Division was established to lay out the map for the telegraph activities linking Bangkok to Phra Tabong (Battambang) and also to map around the Thai Gulf. King Rama V also granted the establishment of Thai Survey School in 1882, which later became the Royal Thai Survey Department in 1885.

The Royal Thai Survey Department (<http://www.rtsd.mi.th>) has been assigned to conduct land and aerial survey, geodesy and geophysics works in Thailand.

2. Production

2.1 Topographic maps (paper map and digital map): 1:250,000 (1501G,WGS84,54 sheets) and 1:50,000(L7018,WGS84,830 sheets) cover the whole area of THAILAND.

2.2 Aerial Photography (paper and digital formats)

2.3 National horizontal, vertical control and gravity measurement

3. Activity on 2007-2011

3.1 Update topographic map : 1:250,000 (1501G,WGS84,54 sheets) and 1:50,000(L7018,WGS84,830 sheets) using Spot and aerial photography all over country of Thailand.

3.2 Begin using Digital camera and GPS/IMU for aerial survey and update Topographic maps.

3.3 THEOS Thailand first satellite has been launched and operated for environment and map revision

3.4 Survey and recheck for national horizontal, vertical control and gravity measurement.

3.5 For education, the Royal Thai Survey Department through the Survey School has produced surveyors for government and military services almost 200 persons within 5 years.

July 2011, Col. Suppalert Chaichana