

Date

Tuesday 17 July 2007

Title of session

Workshop 5 - Reference Frameworks and Active Networks

Name of presenter/chair

Chair: Neil Ackroyd, Director of Data Collection and Management, Ordnance Survey

Presenter: Tyrone Leong, Director of Surveys, Survey and Mapping Division, Trinidad and Tobago.

Name of rapporteur

Jenny Harding, Ordnance Survey and Nicholas Hutchings, Defence Geographic Centre

Presentation title: Trinidad and Tobago Active GPS network implementation.

The presentation closely followed the 39 detailed PowerPoint slides.

There are five main goals of the project to install a GPS Network Infrastructure in the Republic of Trinidad and Tobago. These are:

- To improve the reliability of the real property rights system
- To enable clarification of land tenure
- To support the development of a more dynamic land market
- To enable more efficient use of land resources
- To support national environmental sustainability.

Like Singapore, Trinidad & Tobago has also established a network of five major stations, with one in Tobago. A major difference is the relative lack of in-house or in-country expertise in the subject of reference networks. To alleviate this problem the Survey and Mapping Division has established a project team with the University of the West Indies (UWI); Spatial Innovation Ltd of Jamaica, and Fujitsu and Trimble. UWI can bring expertise gained from comparable projects in Antigua, Belize and Saint Lucia. The project is not fully completed and is still in the test phase so it is too early to judge what the full use will be. Initial users include the National Gas Company and researchers on

earth movement.

Questions	Answers
<p>Luiz Paulo Fortes (Brazil) stated that the SIRGAS Project (Sistema de Referencia Geocentrico para las Americas) had recently extended its remit from just South America to include Central America and the West Indies, and as past president (1993-2007) he invited the directors of NMOs in the West Indies and Central America to join SIRGAS. SIRGAS provides weekly updates on velocity data of reference points. Its website is <a href="http://sirgas.igm.gov.ar">http://sirgas.igm.gov.ar</a></p>	<p>Chairman Neil Ackroyd thanked Dr Fortes for this kind offer and re-emphasised the increasing need for the 'Fourth Dimension' - timing as well as positioning for reference points.</p>