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24 June 2015

# USGIF Education and Training Professional Development:

THE DIGITAL MAPPING & RECONNAISSANCE TOOL  
(DMRT) CASE STUDY



# USGIF Education and Training Professional Development

## DIGITAL MAPPING & RECONNAISSANCE TOOL

(DMRT)

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1. **NEEDS ASSESSMENT-** There is a real need for Mobile GEOINT platforms that are germane to tactical level organizations to rapidly collect, process, and dissemination of GEOINT products within 24 hours upon mission collection.

DMRT supports these requirements, allowing users to “see around the corner” by adding first-person viewpoints. The low cost of commercial-off-the-shelf (COTS) technology has enabled Mobile GEOINT to be a “poor man’s U2” ISR platform at the tactical level.

2. **LEARNING OUTCOMES-** The learner will be able to achieve the following Learning Objectives:
  - a. Explain the DMRT concepts.
  - b. Explain “Feature Maps” and “Time and Space” process to obtain an initial position on standard maps and charts.
  - d. Describe how mobile GEOINT is a low cost ISR platform and can support GEOINT requirements from the tactical to National levels.



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3. **COURSE OUTLINE** -The course will cover the origins and evolution of the Digital Mapping and Reconnaissance Tool (DMRT) as a germane Mobile GEOINT and ISR platform to rapidly collect process, and disseminate GEOINT products within 24 hours upon mission completion.
4. **RESOURCES/LEARNING SUPPORT & MATERIALS**-Attached
  - a. *"USGIF' Case Study: The Digital Mapping & Reconnaissance Tool (DMRT) (Case Study)*
  - b. *The Digital Mapping & Reconnaissance Tool (DMRT) (Session Presentation)*
5. **ATTAINMENT OF LEARNER OUTCOMES/COMPLETION OF REQUIREMENTS**
  - a. *Conduct a knowledge-base group discussion to explain the DMRT concepts and how they may be applied in their work environment to assess the learners objectives*
6. **COURSE DESCRIPTION** - The course outlines the origins and evolution of the Digital Mapping and Reconnaissance Tool (DMRT) from the Panamanian Darien jungle in "Operation Promote Liberty" over the course of 17 years as a Mobile GEOINT platform and DMRT basic concepts.

The presentation will outline various problems encountered at the tactical level, and in a disconnected environment with limited and/or no maps/imagery and solutions, to produce GEOINT products.