

Topic: N132-128

DECISIVE ANALYTICS Corporation

Automated Concept Map Elicitation (ACME)

Rapid response missions to remote, unknown areas require time-sensitive development of intelligence from multi-source data including open source, historic imagery, and live collections. Capabilities currently exist to extract low-level information (i.e. entities, relationships, and actions) from these large-scale data sources but it must be aggregated with surrounding context to provide analytical value. Therefore, DAC has developed a system called Automated Concept Map Elicitation (ACME). The ACME system is focused on providing users with a rapid, visual mechanism for developing situational awareness around a specific intelligence requirement from multi source data. ACME extracts information stored across numerous ontologies, utilizes automated clustering of entity nodes and relationships to simplify the developed concept maps, and include an intuitive visualization of concept maps based on knowledge pertinent to the specific intelligence requirement. Decisive Analytics is an Employee-owned company providing data processing capabilities that move beyond simple extraction by automatically organizing, identifying, and extracting activities and relationships from large corpora of text, imagery, video, and audio. We are seeking opportunities to transition this capability to programs where making identifying the high-level concepts in such data is a difficult challenge.

Technology Category Alignment:

None

None

None

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SYSCOM: ONR

Contract: N00014-15-C-0112

 Corporate Brochure: https://navystp.com/vtm/open_file?type=brochure&id=N00014-15-C-0112

