12TH ICCRTS

"Adapting C2 to the 21st Century"

Operator Behavior as Metadata in Integrated C2 Systems

Track(s) 2, 4, or 8

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Operator Behavior as Metadata in Integrated C2 Systems

A terrific success has been achieved in linking multiple C2 data sources through the implementation of semantic web technologies. The information discovery process in the BRITE map application along with the integration of static and dynamic databases and C2 systems is leading to the implementation of a tremendously flexible, powerful, and complex networked information environment. As the capability expands and is implemented, questions about prioritizing search results and coordinating information sharing among communities of interest are beginning to come to the forefront of continued development efforts. This paper examines the use of operator behavior as metadata in the information discovery process.

Specifically, information viewed, time spent viewing information, and operator input of information will be used to auto tag information in the system with additional metadata. These metadata tags will then be used to improve and expand the discovery search process in the following ways:

1. weighting of discovery search results so that the most relevant results show as the top five returns
2. identification of users in the network with similar interests on a given topic aiding in achieving contact and collaboration
3. identification of additional information of interest based on number of operators who are searching similar data.