

Indications and Warning (I&W) for Countering Terrorism

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**MITRE
Technology
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Army-Contract MOIE

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Problem

The Intelligence Community is challenged to leverage emerging **technologies** and to develop new **techniques** to improve indications and warnings for countering terrorism.

Background

I&W, in this context, means warning of an emerging new threat, or impending attack.



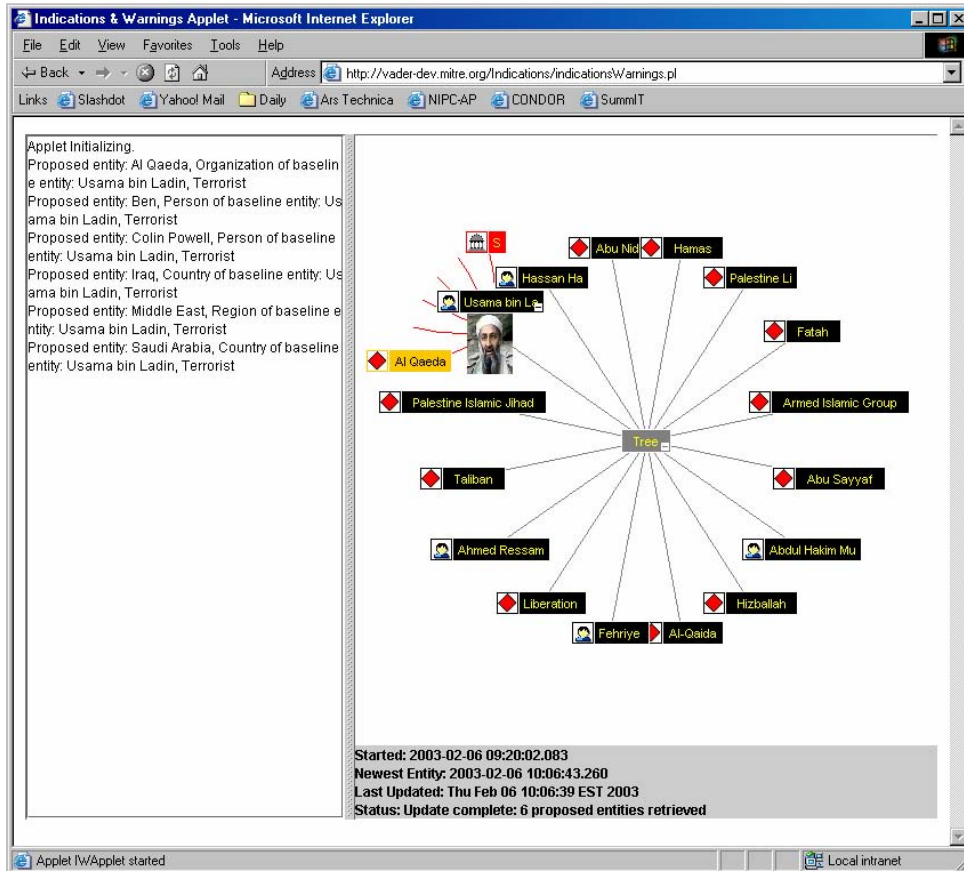
Objective

- Introduce a framework that implements new tools and threat and risk models to draw sharper warning of gathering threats and imminent attacks
- Explore existing models for applicability
 - SOF direct action (McRaven)
 - Insurance and legal industry
 - Bayesian Inference Networks (BINs)
- Develop tools to support current/future I&W
 - Starlink
 - TimeVIEW

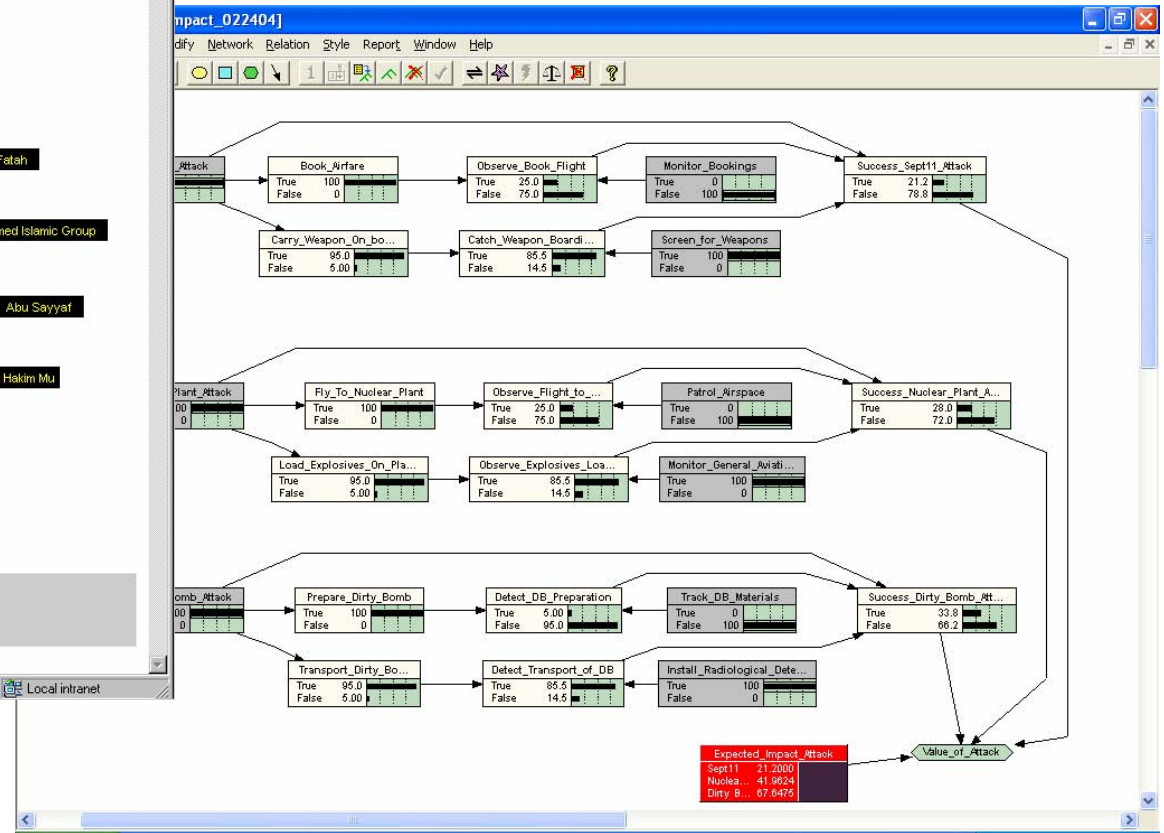
Activities

- **Development, evaluation, and enhancement of tools to isolate, correlate, and visualize key predictive events**
- **Development of an indicator-based framework for I&W**
- **Research on applicability of Bayesian Inference Networks for evaluating threats**

Demonstration



Applying Bayesian Inference Networks (BINs) to I&W



Starlink – Visualizing new Relationships

Experimenting with our tools in CT and I&W cells

Highlight

Indicator	Observer					Indicates				
	Media	Individual	Blue - Red	Intel - L.E.	Reliability	Intent	Method	Target	Participants	Imminence

Framework

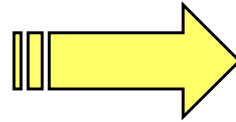
■ What is an indicator?

- An event (or lack of an event) that presents a significant clue about the present and suggests an eventual end state of a series of events
- Signals progression toward an attack
- Intent linked to character and capability of organization
- Includes attacks, when responsible organization retains will and capability

Impacts

- **Influencing vendors' future product development**
- **Assisting sponsors in maturing their understanding of I&W requirements**
- **Providing tools for operational assessment**
- **Presenting the issues and progress at key conferences**
 - **4th Marine Expeditionary Brigade (AntiTerrorism), 3 March 2004**
 - **ISR & Intelligence Analysis Military Operations Research Society Symposium (MORSS) June 2004**
- **Bringing new concepts and models to light**

Future Plans



Objective: A solid framework with the right Technology applied to the Data will find the needle in the Haystack in a timely way