

Flowing Valued Information

Program Objectives:

- Commander's intent is invariant during the course of an operation
 - Science does not currently support optimizing information flow through a network
1. Advance the science for estimation of the relative value of information for goal-oriented behaviors
 2. Use these value estimates to dynamically adjust movement of data to maximize value of information moved over time.

Milestones:

FY 09-10:

Squad Level:

- Understand Commander's intent
- Trust information being moved
- Decide to Share (Move) Valued Information
- Execute the decision to share valued information (Cognitive Radio)

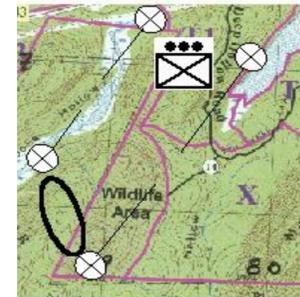
FY 2011:

Platoon Level

FY 2012:

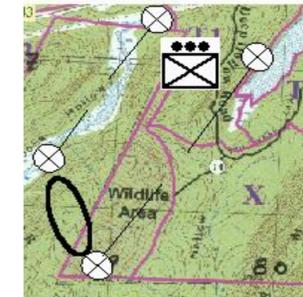
Company Level

See First

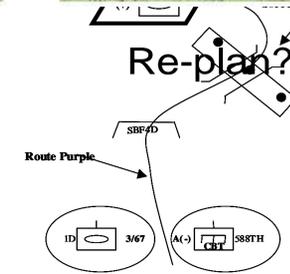


OK or Not OK?

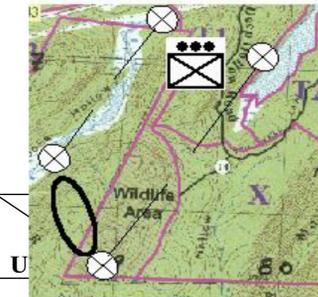
Understand First



Re-plan?



Decide First



	Phase II (BF4D)	Phase III (Breach)	Phase IV (Seize obj)
D/3/67 Armor	Move to positions along LOD	Suppressive fire on objective	Pass through minefield to seize obj
A/3/67 Armor	Execute feint attack on right flank	Execute feint attack on right flank	Execute feint attack on right flank
B/3/67 Armor	Occupy positions as battalion reserve	Be prepared to assume main attack	Be prepared to assume main attack
A(-)/588 th Engineers	Occupy positions behind D/3/67	Move forward behind D/3/67	Execute single-lane minefield breach
Artillery	Execute Fire Plan	Suppressive fire on objective	On order shift fires behind objective

Collaborators

Sponsor: Army Research Office

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- Dr. John James, Department of Electrical Engineering and Computer Science, West Point
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