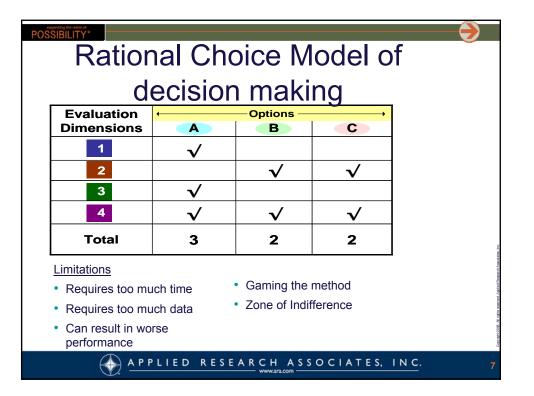
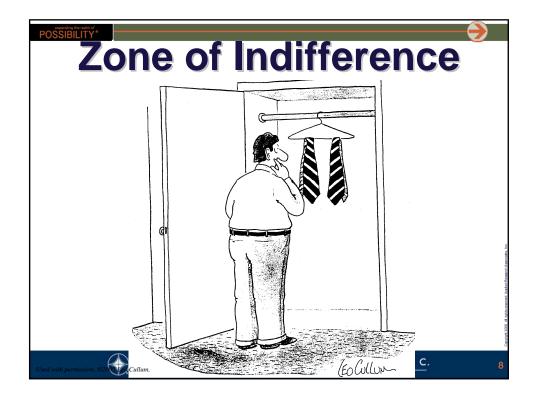
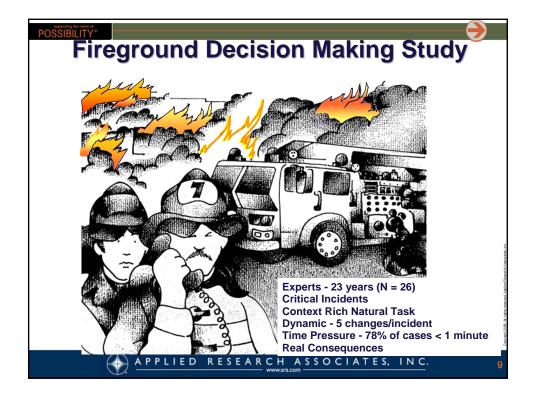
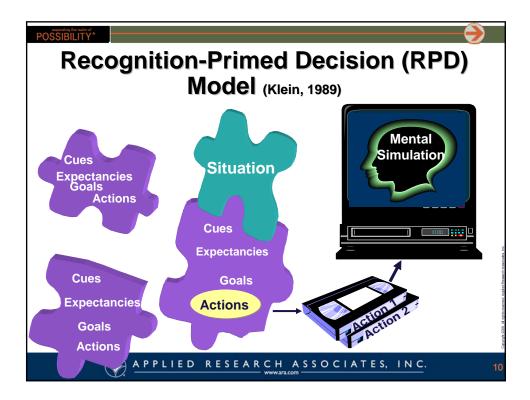


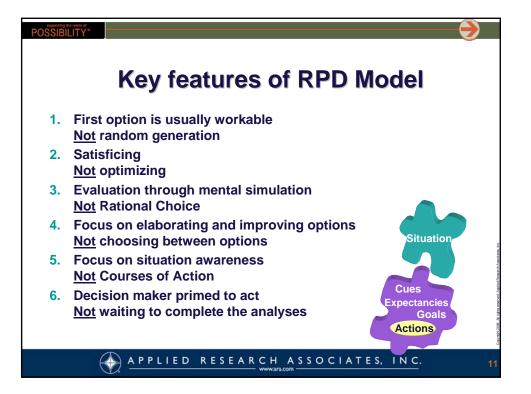
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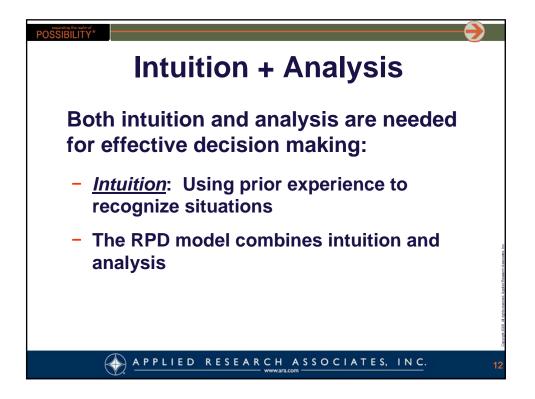


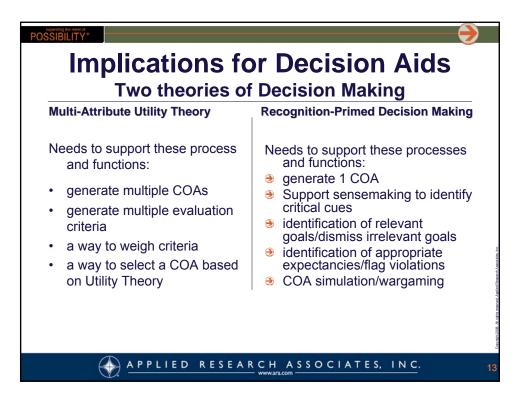






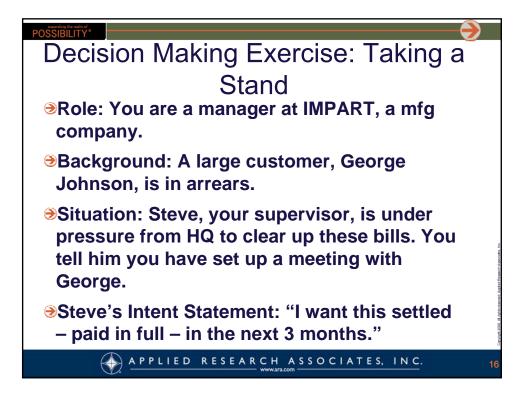


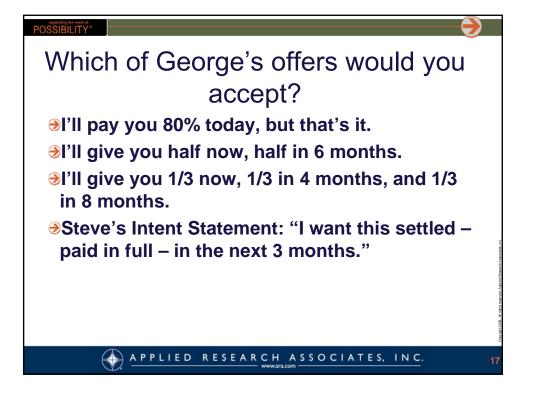


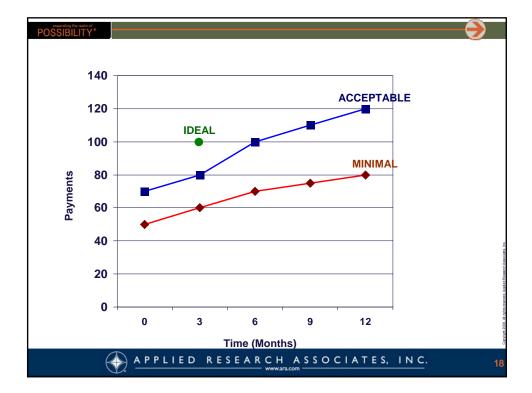




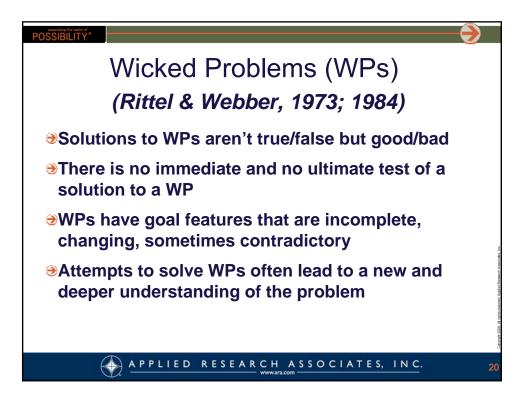












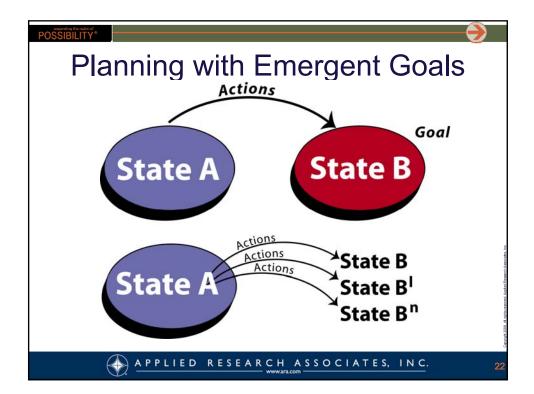
## **Operation Provide Comfort**

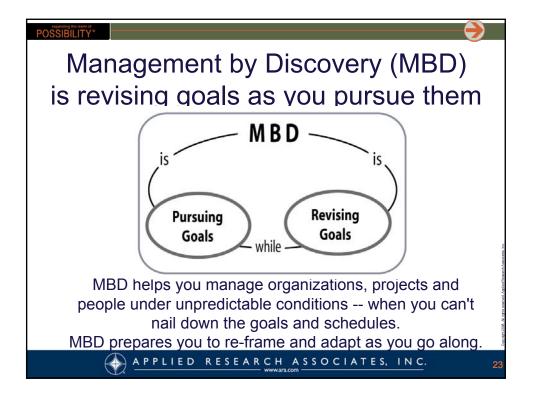
POSSIBILITY

"The mission was continually changing. We didn't just get instructions up front, look at the expected end state, and go and do it. We were probing our way through every stage—often thinking when we reached one stage that we were at the end state. But then we'd see other paths opening that we'd have to follow. Once we'd stabilized the refugees in the hills, we realized we had to move them out of the hills; then we realized we had to put them in a sustainable area; then we realized we had to bring them home; then we realized we had to protect them from the Iraqis. Tasks emerged from other tasks. We were developing them as we went. And we had no idea what the end state would be until we got there."

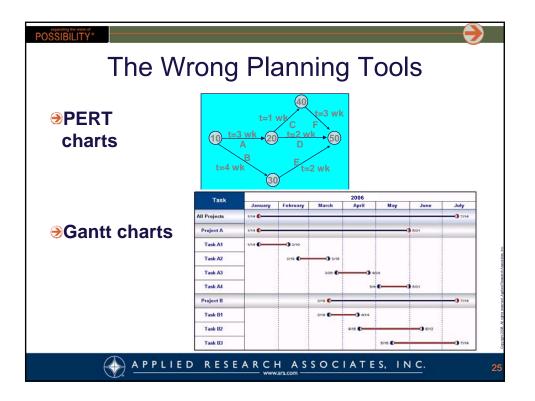
-Tony Zinni, GEN (Ret) USMC

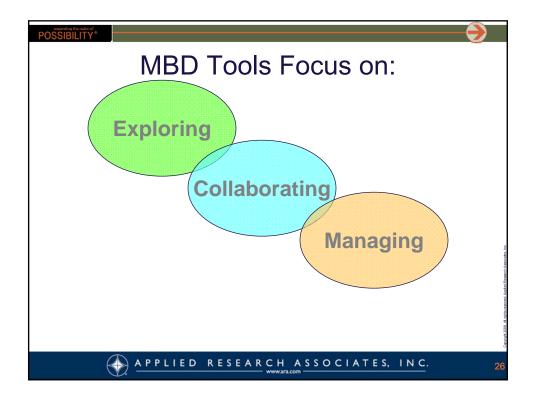
## APPLIED RESEARCH ASSOCIATES, INC.



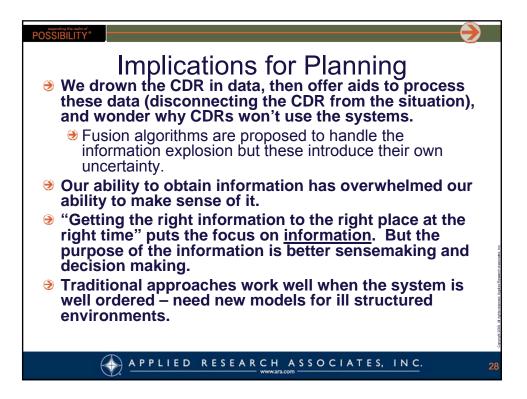


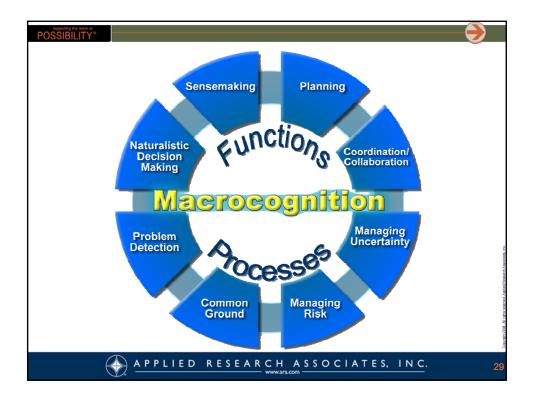


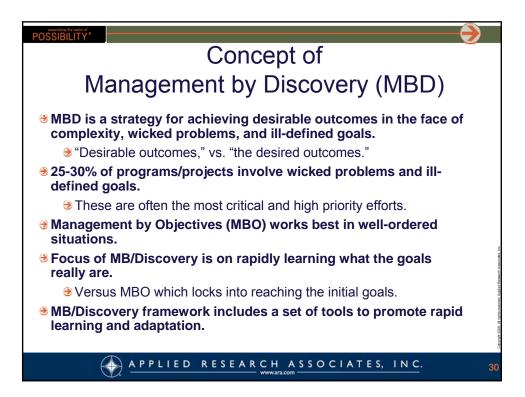














POSSIBILITY*
Contributions of CSE
CSE is the effort to support the cognitive requirements of work.
Clarifies the cognitive requirements of the work.
Helps to anticipate how the system will help/hinder that work.
Brokers design tradeoff discussions.
Describes the impact of design choices on the execution of cognitive work.
Provides expertise about the way systems are used.
Applies information, rather than managing it.
😌 CSE tools
CTA methods, abstraction hierarchies, etc.
Aspects of CSE
Identify the most important cognitive functions.
Determine how these are performed.
Determine why difficult and what kinds of errors are commonly made.
Determine the types of tacit knowledge needed.
APPLIED RESEARCH ASSOCIATES, INC. 32

	Classical Plan/Execution	Flexible Execution
End State	Known	Unknown
Prior	Alternative COAs Contingencies	Alternative goals Potential actions Intent Statements
Commander Intent	Fixed	Continually Adjusted Shows Goal Priorities Shows Trade-offs
Strategy	MBO MDMP	Goals Seeking Actions -and- Actions Seeking Goals
Display	Progress	New Opportunities



