A Maturity Model for Harnessing the Power of Networks and Information

ABSTRACT-----

The economics of information have, by increasing access to information and to geographically dispersed entities, dramatically expanded the ways in which individuals, organizations, and collections of organizations can work together toward a shared purpose. Information Quality is a key link in the value chain for network-centric operations. This paper will discuss, in the context of a maturity model for harnessing the power of information to focus collective action and convergence on a desirable outcome: 1) information quality in the context of this value proposition; 2) the factors, including approach to management and organizational structure, that affect information quality; 3) the threats to information quality; 4) strategies to improve information quality and an entity's ability to leverage information in a network-centric environment.

BIOGRAPHY-----

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Dr. David S. Alberts is currently the Director of Research for OASD (NII) / DoD CIO. Prior to this he was the Director, Advanced Concepts, Technologies, and Information Strategies (ACTIS), Deputy Director of the Institute for National Strategic Studies, and the executive agent



for DoD's Command and Control Research Program. This included responsibility for the Center for Advanced Concepts and Technology (ACT) and the School of Information Warfare and Strategy (SIWS) at the National Defense University. He has more than 25 years of experience developing and introducing leading edge technology into Private and Public Sector organizations. This extensive applied experience is augmented by a distinguished academic career in Computer Science and Operations Research and Government service in senior policy and management positions.

Dr. Alberts' recent publications include the following books: Planning: Complex Endeavors, Understanding Command and Control, Power to the Edge, Information Age Transformation, Understanding Information Age Warfare, Network Centric Warfare.



































R	Archetype F&C Approaches					
<u>.</u>	Allocation of Decision Rights to the Collective	Inter-Entity Information Sharing Behaviors	Distribution of Information (Entity Information Positions)			
Edge	Not Explicit, Self- Allocated (Emergent, Tailored, and Dynamic)	Unlimited Sharing as Required	All Available and Relevant Information Accessible			
Collaborative	Collaborative Process and Shared Plan	Significant Broad Sharing	Additional Information Across Collaborative Areas/Functions			
Coordinated	Coordination Process and Linked Plans	Limited Focused Sharing	Additional Information About Coordinated Areas/Functions			
Deconflicted	Establish Constraints	Very Limited Sharply V Focused Sharing	Additional Information About Constraints and Seams			
Conflicted	None	No Sharing of Information	Organic Information			
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Roca Chavegence des Bellemens		F&C Maturity Levels					
	Maturity Levels	Content of Tool Kit	Decision Required	Transition Requirements			
	Level 5	Edge	Emergent	Fluid			
	Level 4	Collaborative Coordinated De-Conflicted	Recognize 3 situations and match to appropriate approach	Coordinated			
	Level 3	Coordinated De-Conflicted	Recognize 2 situations and match to appropriate approach	Coordinated De-Conflicted			
	Level 2	De-Conflicted	N/A	None			
	Level 1	Conflicted	N/A	None			







