REPORT DOCUMENTATION PAGE			Form Approved OMB No. 074-0188	
Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing this collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188). Washington, DC 20503				
1. AGENCY USE ONLY (Leave	2. REPORT DATE	3. REPORT TYPE AND	DATES COVE	RED
4 TITLE AND SUBTITLE	February 6, 2003	Final February	2000 - De	NUMBERS
Using Shared Models of Activity for Coalition Task-Driven			F30602-00-1-0024	
Cooperation			DARPA J662/02	
6. AUTHOR(S)				
Austin Tate, Jeff Dalton, John Levine and Jussi Stader				
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)			8. PERFORMING ORGANIZATION REPORT NUMBER	
Artificial Intelligence Applications Institute				
Applaten Tower, Crighton Street				
Edinburgh EH8 9LE United Kingdom				
Editorigh Erro 7EE, Oniced Kingdoni				
9. SPONSORING / MONITORING AGENCY NAME(S) AND ADDRESS(ES)			10. SPONSORING / MONITORING AGENCY REPORT NUMBER	
Air Force Research Laboratory				
525 Brooks Road				
Rome				
NY 13441-4505				
11 SUPPLEMENTARY NOTES				
12a. DISTRIBUTION / AVAILABILITY STATEMENT				12b. DISTRIBUTION CODE
Approved for public release; distribution unlimited				
42 ABSTRACT (Maximum 200 M/a				
An I-X Process Panel (us I-P ²) supports a user o	r collaborative	users in	selecting and
carrying out "processes" and creating or modifying "process products". Both processes and				
process products are abstractly considered to be made up of a set of "Issues" which are				
associated with the processes or process products to represent unsatisfied requirements,				
problems raised as a result of analysis or critiquing, etc. They also contain "Nodes"				
(activities in a proces	ss, or parts of a proce	ess product) whi	ch may hay	ve parts called sub-
nodes making up a hiera	archical description of	the process or	product.	The nodes are
"Annotations" related t	to the processes or pro	ducts which pr	rinally ovide rat:	ionale information
and other useful descriptions. Processes and process products in I-X are represented in				
the <i-n-c-a> (Issues - Nodes - Constraints - Annotations) Constraints Model of</i-n-c-a>				
Synthesized Artifacts. I-X and I-X Process Panels (I-P2) have been demonstrated in a				
realistic multi-national coalition military scenario. They are being considered for use				
in a number of future joint and multi-national forces experiments and demonstrations.				
14. SUBJEUT TERMS				15. NUMBER OF PAGES
Planning, Task Support, Coalition, Collaboration, AI				16. PRICE CODE
17. SECURITY CLASSIFICATION	TION 18. SECURITY CLASSIFICATION 19. SECURITY CLASSIF			20. LIMITATION OF ABSTRACT
UNCLASSIFIED	UNCLASSIFIED	UNCLASSIF	ED	TIT.
NSN 7540-01-280-5500			Sta	ndard Form 298 (Rev. 2-89)
Prescribed by ANSI Std. Z39-18 298-102				