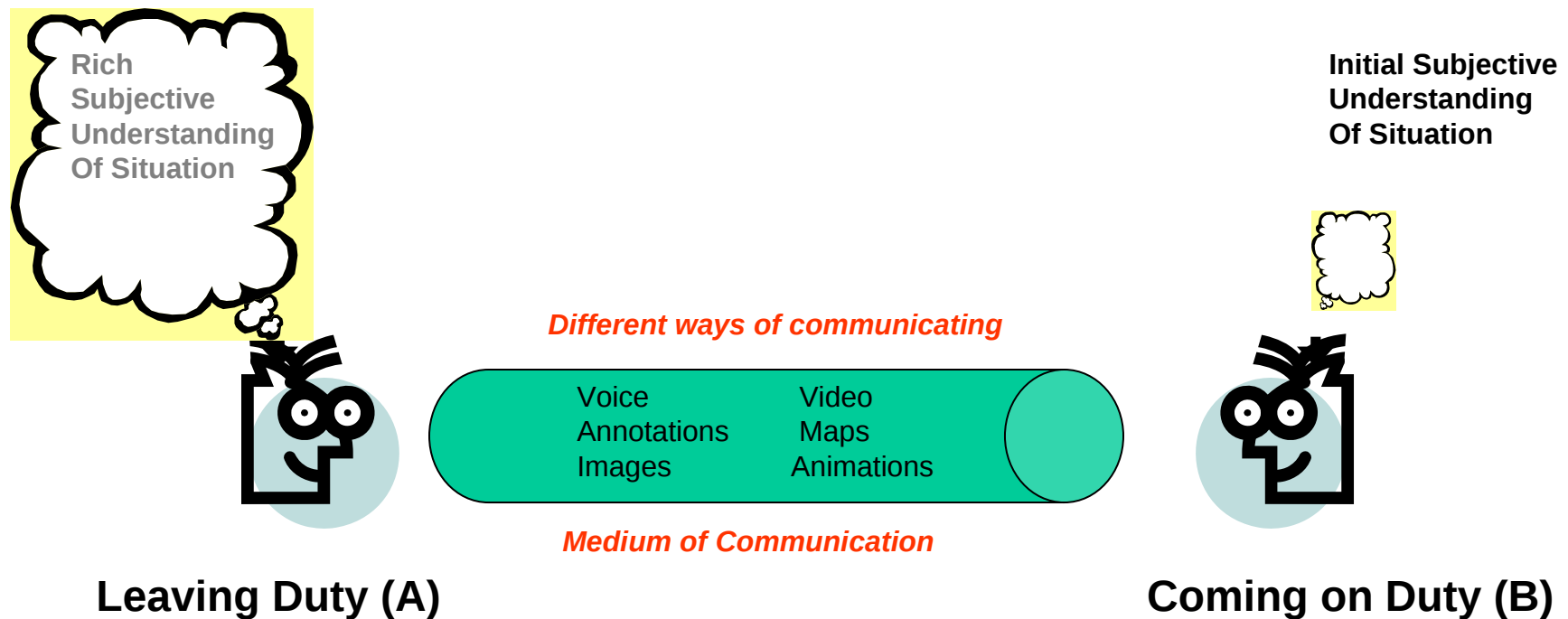


Report Documentation Page				Form Approved OMB No. 0704-0188	
Public reporting burden for the collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the 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. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to a penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.					
1. REPORT DATE JAN 2003		2. REPORT TYPE		3. DATES COVERED 00-00-2003 to 00-00-2003	
4. TITLE AND SUBTITLE Passing the Bubble: Cognitive Efficiency of Augmented Video for Collaborative Transfer of Situational Understanding				5a. CONTRACT NUMBER	
				5b. GRANT NUMBER	
				5c. PROGRAM ELEMENT NUMBER	
6. AUTHOR(S)				5d. PROJECT NUMBER	
				5e. TASK NUMBER	
				5f. WORK UNIT NUMBER	
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)<					

Problem Being Addressed: Passing the Bubble

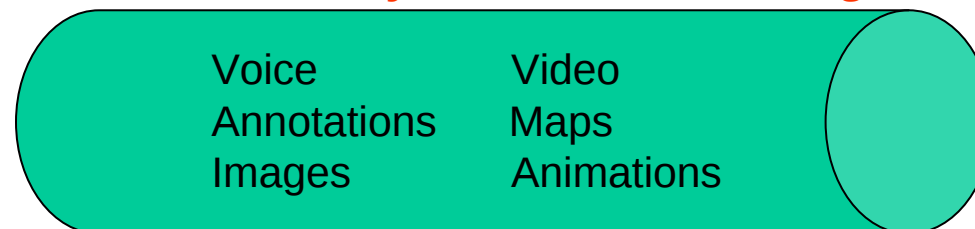


Basic Assumption

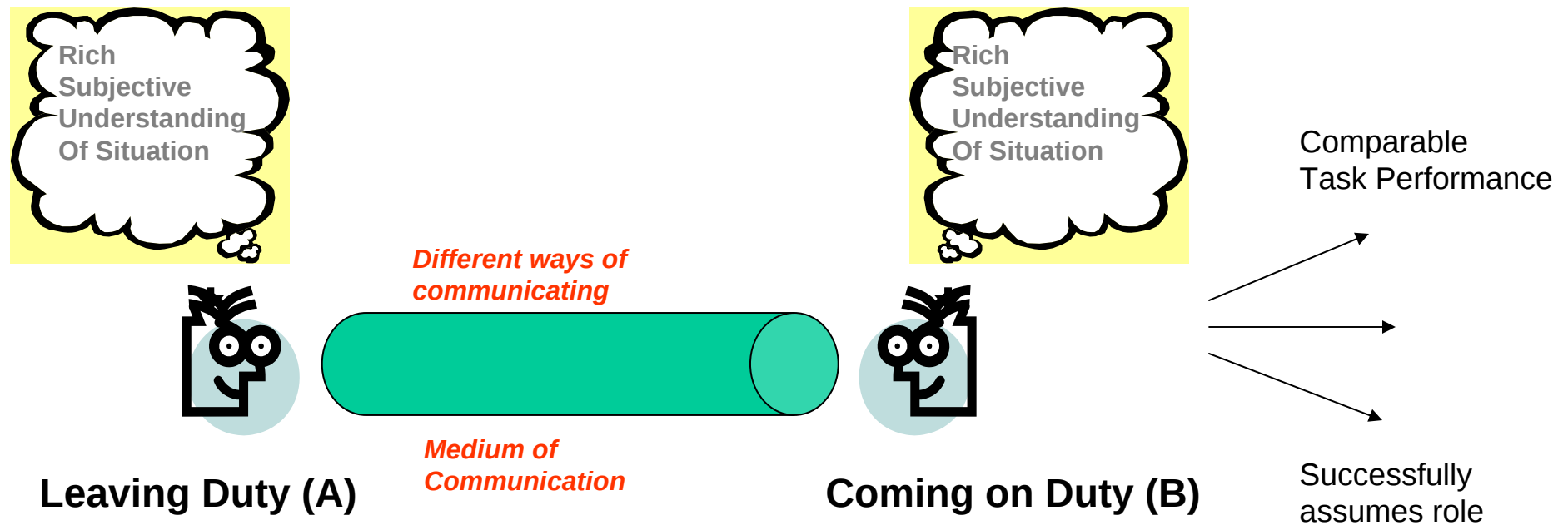
Representations vary in how effective they are at facilitating:

- Shared understanding
- Coordination

Different ways of communicating



Successful transfer





This Year's Objectives

1. Develop the technical environment
 - Tools to annotate videos and video annotate stills off-line
 - Tools to collaboratively annotate video signal in real time
2. Discover which factors affect single subjects
 - **Shared Understanding**
is there a dissociation between explicit and operational knowledge?
 - **Informed Decision-Making** — what information format is best to pass the bubble to a decision-maker

