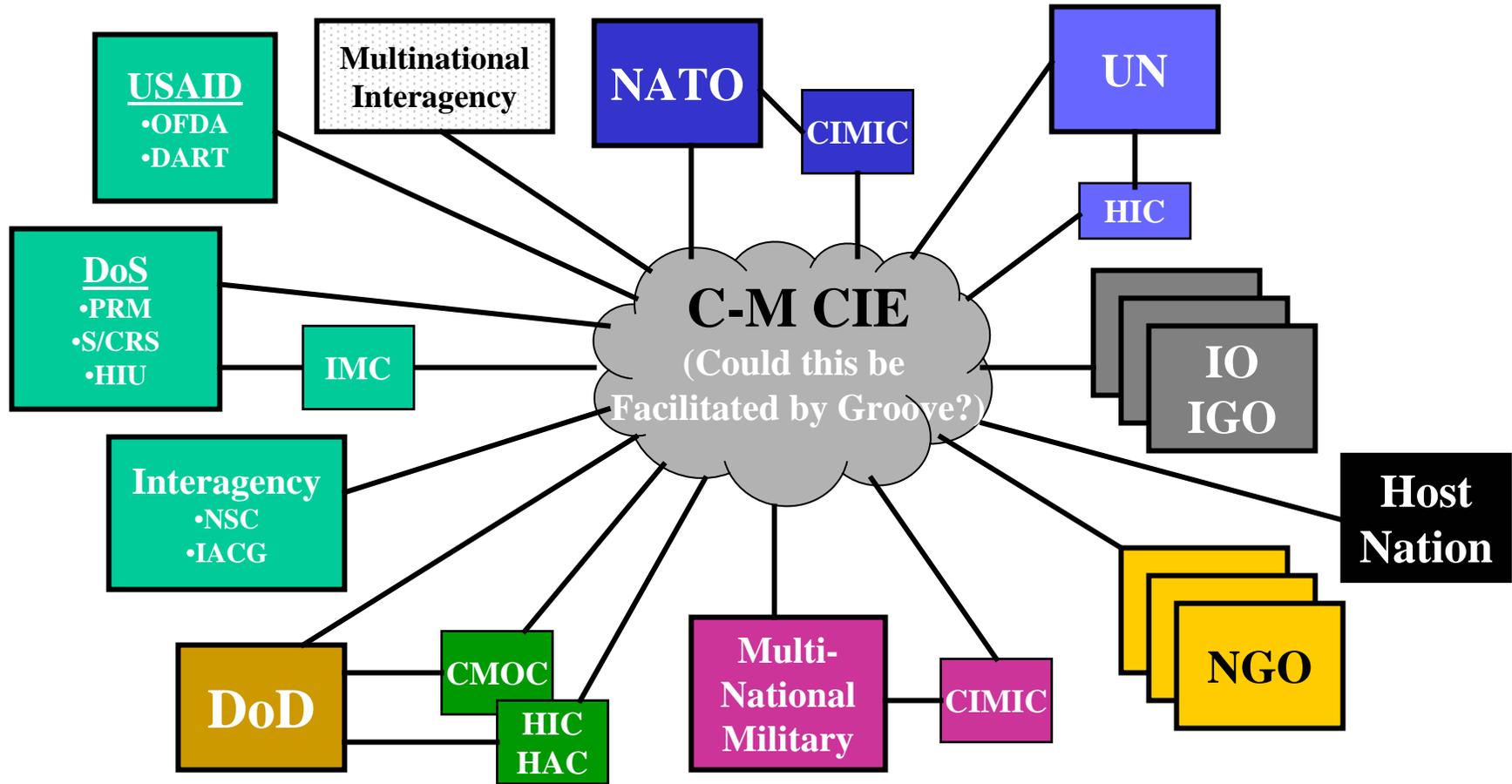




S&R Systems Group



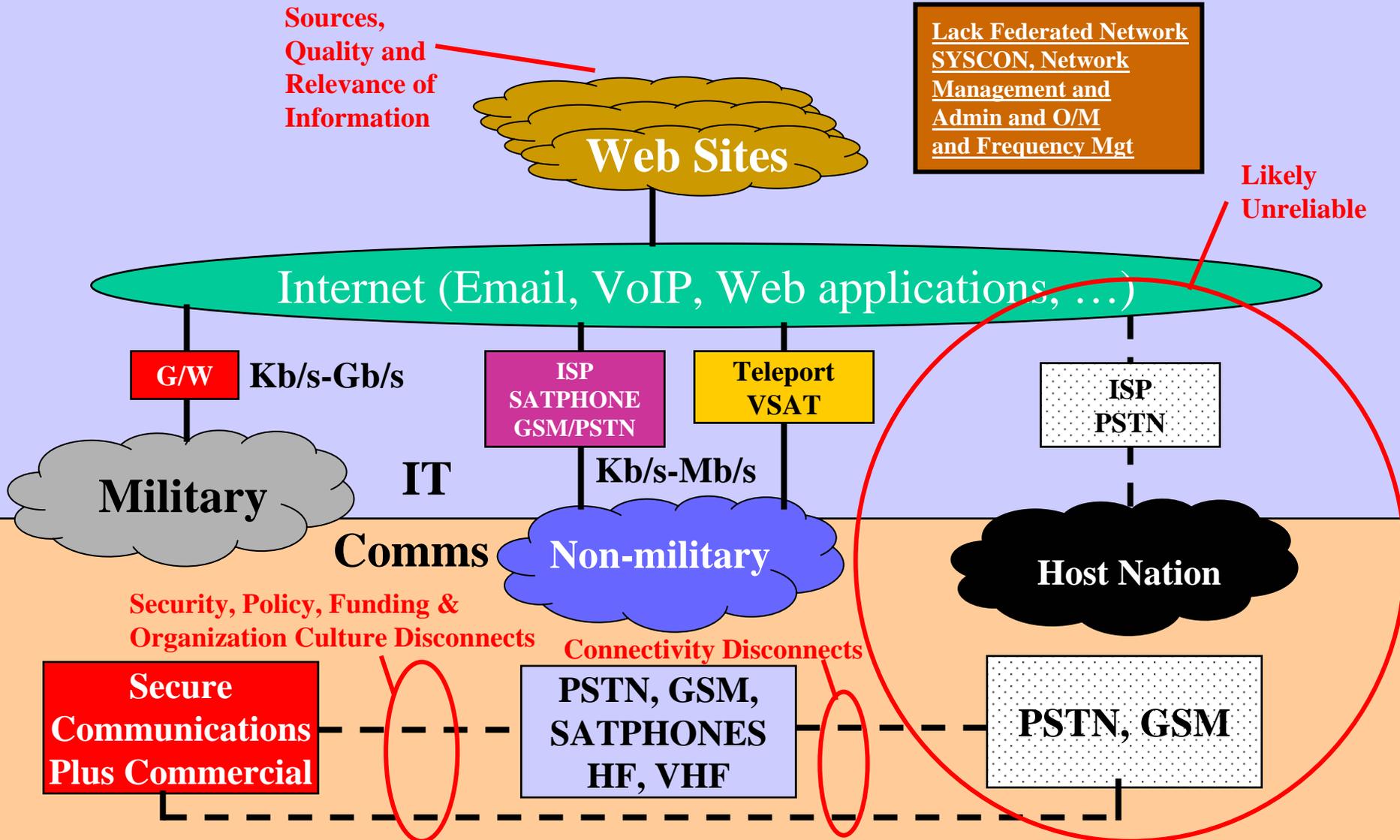
S&R Ops Civil-Military Collaboration and Information Sharing



**Challenge: Participant Communications and Information Systems Capabilities
Range from Face-to-Face to State-of-the-Art Communications and Information Technology**



De facto S&R Communications and IT Architecture





Example Communications and IT



	Military	Civilian Gov't (US)	UN	IO/IGO	NGO	Host Nation
Apps	Web- Site Microsoft GIS	Web- Site Microsoft GIS	Web-Site Microsoft GIS	Web-Site Microsoft GIS	Web-Site Microsoft	
	IWS/Groove	<i>Groove</i>	Groove	<i>Groove</i>	<i>Groove</i>	
	Secure VTC GPS	VTC GPS	VTC GPS	GPS	VTC <i>GPS (some)</i>	
IT	Internet (Kb/s-Gb/s) Laptops/WS	Internet (Kb/s- Mb/s) Laptops/WS	Internet (Kb/s-Mb/s) Laptops/WS Wireless LANs	Internet (Kb/s-Mb/s) Laptops/WS	Internet (Kb/s) Laptops <i>Wireless LANs</i> <i>VoIP</i>	<i>ISP</i>
	JWICS (TS) SIPRNET (S)	SIPRNET (S)				
Comms	<i>PSTN</i> GSM MILSAT/SATPHO NE/VSAT Radios NSA Secure	<i>PSTN</i> GSM SATPHONE VSAT Radios NSA Secure	<i>PSTN</i> GSM SATPHONE VSAT Radios Commercial Secure	<i>PSTN</i> GSM SATPHONE Radios	<i>PSTN</i> GSM SATPHONE	<i>PSTN</i> <i>GSM Network</i> <i>Radios</i>



Strategy



- Bridge the seams in the US Interagency
 - DoD
 - DoS
 - USAID
 - Others
- Bridge the seams between USG and the broader S&R COI
- USG Directive:
 - This is who needs to say it and this is what it needs to say
 - Signed Dept Sec Def, Dept Sec State that mandates a common ontology
 - Next 30-45 days



Approach

- Assumption
 - S&R is about distributed not static collaboration
- Current situation
 - Groove is the best product on the market at this time and used by DoS, USAID, and DoD
- Proof of concept Demo
 - On or about 1 March Groove upgrade test
 - 3-6 months CA, DoS, USAID, PRT, DART rollout
- Next S&R workshop
 - Define objects, locations, timeline and cost rollout



S&R C-M CIE Gaps



- Agreed System-of Systems Architecture
- Strategy, CONOPS and Framework for Planning, Implementing and Operating a Federated Network (Organize, Train and Equip)
- SYSCON, Network Management and Admin, O/M, and Spectrum Mgt
- Robustness (Coverage and Performance)
- Standards, Protocols and Procedures
- Information Classification and Release
- Information Management and Assurance
- Decision aids and collaboration tools
- Education and training
- Costs (Satellite use) and Funding
- Responsible organization arrangement with authority and resources



"Baseline" S&R Communications and IT Capabilities

HIU eRoom/NGA GIS

Afghanistan stabilization

AIMS/ReliefWeb

Internet (Email, VoIP, Web applications, ...)

