



Appendix B – MISSION REQUIREMENTS DEVELOPMENT WORKSHEET

SCENARIO CT MISSION AREA Transport ENGAGEMENT FORCES Helicopter

Mission Phase	Functions Per Mission Phase	CT-Unique Functions Per Mission Phase	CT-Unique Functional Requirements	Critical Functional Parameters	Current Systems	Perceived Deficiency	Alternative Systems
Planning	• Implement Staff Plans	NONE	(Planning functions Central European w ability to rapidly ex probability of succe	Digital map based mission planning simulation			
Rehearsal	• Plan & Define Times; Location; Resources	• Rehearse removal of 12 men from moving boat in minimum time	(Rehearsals are unic equipment. Less tin	• Helo Cockpit simulator with programmable 180° real world conditions			
• Fly-out to Patrol Area	Communicate	Multi-Service Interoperability	LPI/D Communication	(The functions of commu routine. Performing the recommunication with CT interoperability of the onequipment.)	equired Team requires	• Multi-Service Interoperability?	
and • Patrol	• Navigate • Perform Flight Ops	NONE NONE	(Precision navigation (These functions are range, altitude and the available patrol times)				
(Loiter)	• Perform Defense Activities	• Maintain Situational Awareness	Detect Small Boats	Detection Range in dusty hot climate	• Stabilized FLIR • Radar	• Availability of ECM & IRCM for SAMS & Manpads	

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Mission Phase	Functions Per Mission Phase	CT-Unique Functions Per Mission Phase	CT-Unique Functional Requirements	Critical Functional Parameters	Current Systems	Perceived Deficiency	Alternative Systems
• Extract Personnel	Communicate	• Multi-Service Interoperability	LPI/D Communication	(The functions of communicating are routine. Performing the required communication with CT Team requires interoperability of the on-board equipment.)		• Multi-Service Interoperability?	
	Navigate	NONE	(Precision navigation LIW.)	sion navigation at night is not unique to			
	• Perform Flight Ops	• On-load CT Team & Ship Crew	 Locate ship Remove 12 people Lift-off moving boat Perform at night Detect swimmers if needed 	• Time • Positive detect/ident of ship	 Sling attachment on helicopter Hoist Comm to ship Stabilized FLIR Radar 	 Not able to lift 12 men at a time from moving ship No means shown for detect/ident of ship 	 Need helo with more lifting power or more helos assigned. Multipurpose sling for removing 12 men. Direct night viewing of sling below helo Visual/RF detect/ident aid.
	Perform Defense Activities - Threat Warning - Threat Defense	 Maintain Situational Awareness Counter Threats 	 Detect small boats Identify correct ship Engage small boat threats as needed 	 Threat detection, ID, and weapon engagement ranges in dusty, hot, humid climate Weapons load, range and accuracy Available combat time 	 Stabilized FLIR Radar NVG 7.62 mm Minigun 	 Possibly Minigun range less than weapons on threat Availability of ECM Availability of IRCM 	 Multi-purpose longer range weapon IRCM ECM