

TERMS OF REFERENCE SPECIFIC TASKING

- **DETERMINE THE FUNCTIONS THAT MUST BE PERFORMED ABOARD A FUTURE SURFACE COMBATANT, AND IDENTIFY THOSE FUNCTIONS MOST READILY AUTOMATED.**
- **ASSESS AUTOMATION AND ROBOTIC TECHNOLOGIES THAT BEST SUPPORT THE CHANGE OF FUNCTIONAL ALLOCATION FROM MAN TO MACHINE.**
- **INVESTIGATE THE LIFE CYCLE COST IMPLICATION OF SHIPBOARD AUTOMATION THROUGH THE DEVELOPMENT AND IMPLEMENTATION OF A COST MODEL THAT INCORPORATES ALL MANPOWER COST.**
- **RECOMMEND FUNCTIONS FOR AUTOMATION ABOARD FUTURE SURFACE COMBATANTS, AND RECOMMEND CANDIDATES FOR RETROFIT TO EXISTING SHIPS.**
- **IN CONJUNCTION WITH THE AFFORDABILITY AND AVAILABILITY OF NEW TECHNOLOGY AND THE RAPID ACQUISITION OF RAPIDLY ADVANCING TECHNOLOGIES PANELS, IDENTIFY SUPPORTING TECHNOLOGIES REQUIRING GREATER RESEARCH AND DEVELOPMENT (R&D) EMPHASIS TO PERMIT A MAXIMUM IMPROVEMENT IN WARFIGHTING CAPABILITY AND REDUCTION IN MANPOWER REQUIREMENTS THROUGH SHIPBOARD AUTOMATION.**