

EX ENGINEERING DIVISION (EX5)

- Provide specialized engineering, scientific, and technical products and services to support worldwide Navy/Marine Corps operations, from maintaining contact with the Fleet, studies and analysis, requirements identification, technology development & implementation, program management, ..., to sustainment support
- Provide SMEs to address operational requirements, problems, and issues
- Provide Technical Direction Agent Support to the Logistics Thrust Program Officer of the Expeditionary Maneuver Warfare and Antiterrorism department of the Office of Naval Research
- Perform requirement analysis, functional analysis, synthesis including alternative system concepts, configurations, etc., and system analysis and control including risk management, trade-off studies, etc.
- Conduct Analysis of Alternatives and Materiel Solution Analysis, and develop technical data package including DOD Architectural Framework (DODAF) products, information, and documentation (e.g. technical data, CONOP, performance specifications, drawings) in support of PMT decision making process
- Conduct research, development, test, evaluation, experimentation and simulations to address requirements or problems, leverage existing technologies when available, and develop innovative/alternative technologies and solutions when appropriate
- Address systems, subsystems, equipment, and computer program performance, compatibility and integration issues throughout the system life cycle (Systems Integration)
- Provide system safety requirements (e.g. Engineering Change Proposal (ECP) Safety Review, OP and MAINT

Protocol Change Safety Review, Safety Deficiency
Analysis of Failure Metrics and Mishap Investigations)

- Develop and/or review ECP for integration impact (Configuration Management)
- Assess system performance, safety, operability, reliability, and maintainability (e.g. First Article Tests, System Tests)
- Examine facilities design and physical layout for reliability, ease of maintenance, and performance requirements. Develop corrective modification, as required