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ANNEX 22 - SEAPORT ENGINEERING AND PROGRAM MANAGEMENT CATEGORIES

Engineering Services

This category consists of supporting the application of engineering disciplines to technically support the research and development of new and existing Naval capabilities and systems, technically support development of significant alterations to existing systems, support integration and interface of existing equipment or software into different applications or platforms to support the warfighter, and support evaluation of foreign or non-developmental systems, equipment, and technologies. This category also includes all support required within the area of environmental engineering of U. S. Navy weapon systems and base related infrastructure. Functional areas that are included under the Engineering Services discipline include but, are not limited to the following:

Engineering, System Engineering, and Safety and Process Engineering Support

Software Engineering, Development, Programming, and Network Support

In-Service Engineering, Fleet Introduction, Installation and Checkout and Provisioning Support

Measurement Facilities, Range, and Instrumentation Support

Interoperability, Test and Evaluation, Trials Support

Research and Development Support

Modeling, Simulation, Stimulation, and Analysis Support

Prototyping, Pre-Production, Model-Making, and Fabrication Support

System Design Documentation and Technical Data Support

Reliability, Maintainability, and Availability (RM&A) Support

Inactivation and Disposal Support

Biochemical Engineering Support

Program Management Services

This category consists of applying the business, financial management, and technical disciplines required to support planning, organizing, staffing, controlling, and leading team efforts in managing acquisition programs such that the results place a capable and supportable system in the hands of the warfighter when and where it is needed, and does so at an affordable price. This functional area represents an integration of a complex system of differing but related functional disciplines that must work together to achieve program goals through development, production, deployment, operations, support, and disposal.

This category also consists of providing information system software analysis, requirements

definition, design, development, test, modification, installation, implementation, quality assurance, training, and documentation to meet the evolving data storage and reporting needs of programs and management. Analyze existing IT and IS databases, web sites, and IT applications and recommend new or improved interfaces and improved management tools that meet new management requirements, or improve management effectiveness and efficiency. Perform maintenance and technical support for Local Area Networks (LAN) and Wide Area Networks (WAN) that are outside the cognizance of the Next Generation (NGEN) and NGEN Recompete (NGEN-R). Modify, implement and maintain web based information systems and links. Develop web-site structure, prepare documentation for population, implement and maintain web sites. Conduct IA analyses, develop, recommend, and implement, monitor, update, and maintain, IA practices, procedures, equipment, algorithms, and hardware that are outside the cognizance of NGEN and NGEN-R. This functional area also provides systems engineering and technical support for establishment, test, upgrade, and operational support of systems, networks, workstations and support equipment hardware and software that are outside the cognizance of NGEN and NGEN-R. Functional areas that are included under the Program Management Services discipline include but, are not limited to the following:

Financial Analysis and Budget Support

Quality Assurance (QA) Support

Functional and Direct Programmatic Administrative Support

Professional Development and Training Support

Analytical and Organizational Assessment Support

Database Administrators

Public Affairs and Multimedia Support

Logistics Support

Configuration Management (CM) Support

Information System (IS) Development, Information Assurance (IA), and Information Technology (IT) Support

Computer Systems Analysts