

# Cape Henry Associates:

## Front End Analysis and Navy Training System Plan Analysis Development Team



Front End Analysis (FEA) and Navy Training System Plan (NTSP) Analysis are among the establishing pillars of our business. Cape Henry Associates' FEA/NTSP Analysis Development Team analyzes planned ship alterations and new equipment additions to assess their training and manning impacts. We develop practical training options that reflect expert knowledge of system operations and a rigorous and systematic analysis of the operating context. We employ quantitative and qualitative methods developed over years of focused work to answer the question: **What are the manpower and training requirements?**

Our FEA/NTSP Analysis Development Team provides all of the necessary analytical, subject matter, and program management support needed to deliver critical system-level documents, job task analysis, and manpower studies for a wide range of Naval Sea Systems Command's (NAVSEA's) PMS-sponsored acquisition programs. We have been recognized as system-level planning experts in the Hull, Mechanical, and Electrical (HM&E), Combat Systems, and Control Network areas.

### FEA/NTSP Analysis Development Team and Capacity

We are comprised of dedicated analysts capable of working on eight to 10 critical system-level Manpower, Personnel, and Training (MPT) documents and related reviews, analyses, and studies at once.

We have the capacity to rapidly update and improve existing NTSPs by breaking down the documents into key foundation data and logic, validating assumptions and rationale, and cross-checking the planned course of action with known and emerging best practices.

Our FEA/NTSP Analysis Development Team leaders average 22.5 years of relevant Navy, government, and Training Requirements Document experience each, with a combined 225 years of Navy experience.

### The FEA/NTSP Analysis Development Team Delivers:

#### Access to real-world data and specific system expertise

The Team draws on a pool of more than 100 talented employees and SMEs (subject matter experts) to meet each project's requirements and uses a matrix structure to assemble project teams with the right mix of expertise, real-world system experience, and project management capacity.

#### Accurate, quality products delivered on-budget and on-schedule

The Team's long list of completed efforts includes some of the most complex system-level MPT work undertaken by the U.S. Navy. We pay close attention to process and quality of services to deliver system-level MPT documents in a consistent and predictable manner, achieving a departmental 98.9% compliance with the required Navy standard on first pass.

#### Longstanding working relationships that accelerate delivery

The Team has regularly collaborated with Surface Combat Systems Training Command (SCSTC) and Surface Warfare School Command (SWSC) learning centers, In-Service Engineering Agents (ISEA), OPNAV N12 (NAVMAC), and NAVSEA since 2004.

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### FEA/NTSP Analysis Development Team Accomplishments Include:

Delivered multiple system-level NTSPs, including the NTSPs for DDG 51-class Machinery Control Systems (MCS), CVN 68/78-class O2N2-producing systems, and the SQQ 89 (V) 15 Sonar Suite
Analyzed never-before-seen contractor-furnished equipment systems including the state-of-the-art Advanced Weapons Elevator (AWE) with magnetic shear technology, the Machinery Control Monitoring System (MCMS), the Steering Gear Control System (SGCS), the Plasma Arc Waste Disposal System (PAWDS), and other systems onboard USS Gerald R. Ford (CVN 78)
Produced the updated Surface Diesel Maintenance NTSP covering the training requirements for each of the 15 types of diesel engines for 87 ships of the U.S. Navy's surface fleet
Updated the Marine Gas Turbine and Auxiliary Systems NTSP covering the gas turbine training needs of 138 different ships and activities
Defined the training requirements for the new LPD 17's systems including the introduction of the new Engineering Control System (ECS), Ship Service Diesel Generator, Main Propulsion Diesel Engine, Electric Plant, and the Steering & Propulsion Control System (SPCS)
Delivered on behalf of the Naval Facilities Engineering Systems Command (NAVFAC) a Training Systems Requirements Analysis (TSRA), NTSPs, and Personnel Qualification Standard (PQS) books. Developed a TSRA analyzing the internal processes and training for executing Large Special Project and Military Construction (MCON) projects. Developed TSRA's and NTSPs for Naval Construction Force Battalion Aid Stations and Refrigeration Systems. Developed several Construction Force Battalion PQS books
Delivered a TSRA for Naval Information Warfare Systems Command (NAVWAR) and Program Executive Office for Manpower, Logistics and Business Solutions (PEO MLB) analyzing the intermediate and depot-level training for the Naval Operational Business Logistics Enterprise (NOBLE) System of Systems
Served as the troubleshooter and problem solver for off-track FEA and NTSP developments, resolving issues other contractors could not, on behalf of PMS 312, PMS 339, and PMS 378

### About Cape Henry Associates



Founded in 2004, Cape Henry Associates (CHA) is a Service-Disabled Veteran-Owned Small Business (SDVOSB) specializing in Manpower Analysis, Personnel Analysis, and Training (MPT) services. Cape Henry Associates is a SeaPort-e prime contract vehicle holder and owns a Small Business Innovation Research (SBIR) technology, Lighthouse, for sole source contracting for MPT products and services. We employ a staff of more than 100 people, 65% of whom are veterans. With an overall on-time delivery of 99.5% for required deliverables, we take pride in the reputation we have built as the go-to company for all things MPT.

Contact [jay.mcgovern@cape-henry.com](mailto:jay.mcgovern@cape-henry.com) to learn more about a customizable solution for your company.

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