OPNAV INSTRUCTION 4000.57H

From: Chief of Naval Operations

Subj: LOGISTICS SUPPORT OF THE TRIDENT SYSTEM

Ref: (a) OPNAVINST 4700.7L
     (b) OPNAVINST 4710.31B
     (c) SL720-AA-MAN-010/020, Rev. 6, Fleet Modernization Program (FMP) Management and Operations Manual, Nov 2016 (NOTAL)
     (d) NAVSEA 0900-061-5010 (Rev. B), Trident Submarine ILS Program LSA Procedures Manual, 18 Sep 1991
     (e) OPNAVINST 4441.12D
     (f) SSPINST 4423.66B
     (g) SSPINST 4423.27D
     (h) NAVSEA S9213-45-MAN-000, Naval Nuclear Material Management Manual, Jul 2003 (NOFORN) (NOTAL)
     (i) OPNAVINST 4400.10D
     (j) SSPINST 4710.16D
     (k) OPNAVINST 4614.1H
     (l) CJCSI 4110.01E
     (m)OPNAVINST 4440.19F

Encl: (1) Logistics Support of the Trident System
     (2) Trident SSBN and SSGN System Material Availability Goals (Percentages)

1. **Purpose**
   a. To outline policy and guidance for logistics support of the operational Trident System.
   b. Major changes to this instruction include codifying current Trident processes and updating terms and references. This instruction is a complete revision and should be reviewed in its entirety.

2. **Cancellation.** OPNAVINST 4000.57G.

3. **Scope.** This instruction addresses integrated product support for the Trident System. The Trident System consists of Trident submarines, both ship submersible ballistic-missile submarine, nuclear (SSBN) and ship submersible guided-missile submarine, nuclear (SSGN); their associated Trident II strategic weapons system (SWS) or attack weapons system (AWS); and an integrated logistics shore support system. References (a) through (m) provide specific guidance, as referenced in enclosures (1) and (2).
4. **Policy**

   a. Logistics support of the Trident System will be, in all respects, consonant with the high importance of this weapon system relative to the national defense posture.

   b. Policy for logistics support of the Trident System is set forth in enclosure (1).

   c. Modifications to, or disestablishment of, logistics support systems that have interfaces with, or an impact on, Trident System's logistics support must not be initiated or implemented without both prior approval of the Office of the Chief of Naval Operations (OPNAV) and coordination with Director, Strategic Systems Programs (DIRSSP).

5. **Exceptions**

   a. The Director of the Naval Nuclear Propulsion Program (CNO N00N), which is also known as the Naval Sea Systems Command (NAVSEASYSCOM) Code 08 (NAVSEA 08), has responsibility for all matters pertaining to the maintenance, repair, and modification of naval nuclear propulsion plants and associated nuclear support facilities. Nothing in this instruction supersedes or changes these responsibilities and authorities.

   b. Integrated product support policy for Trident systems under the cognizance of the United Kingdom is not included in this instruction. Logistics support for United Kingdom Trident systems is addressed via separate guidance.

6. **Action.** All Navy activities supporting Trident logistics functions will utilize the guidance contained in enclosure (1) for planning and implementation of logistics support for the Trident System.

7. **Logistics Data Warehouse.** Reports of gross and net supply availability for underway, refit, and submarine supply support will be obtained from the Strategic Systems Programs (SSP) logistic data warehouse. The performance reflected in these reports will be reviewed on a quarterly basis or as required by the strategic submarine supply support review forum. The strategic submarine supply support review is composed of senior representatives from the Trident supply support community as designated by the charter signed by the submarine type commanders (TYCOM), force supply officer, and SSP, Logistics Branch Head (SP206). Logistic data warehouse can be accessed by authorized representatives of the strategic submarine supply support review stakeholder community. Logistic data warehouse can provide real time supply support metrics that can be evaluated to monitor or diagnose materiel support issues.

8. **Records Management**

   a. Records created as a result of this instruction, regardless of format or media, must be maintained and dispositioned for the standard subject identification codes (SSIC) 1000, 2000,
and 4000 through 13000 series per the records disposition schedules located on the Department of the Navy/Assistant for Administration (DON/AA), Directives and Records Management Division (DRMD) portal page at https://portal.secnav.navy.mil/orgs/DUSNM/DONAA/DRM/Records-and-Information-Management/Approved%20Record%20Schedules/Forms/AllItems.aspx. For SSIC 3000 series dispositions, please refer to part III, chapter 3, of Secretary of the Navy (SECNAV) Manual 5210.1 of January 2012.

b. For questions concerning the management of records related to this instruction or the records disposition schedules, please contact your local records manager or the DON/AA DRMD program office.

9. Review and Effective Date. Per OPNAVINST 5215.17A, OPNAV Supply, Ordnance and Logistics Operations Division (OPNAV N41), Spares Programs and Policy Branch (N412), will review this instruction annually on the anniversary of its issuance date to ensure applicability, currency, and consistency with Federal, Department of Defense, SECNAV, and Navy policy and statutory authority using OPNAV 5215/40 Review of Instruction. This instruction will be in effect for 5 years, unless revised or cancelled in the interim, and will be reissued by the 5-year anniversary date if it is still required, unless it meets one of the exceptions in OPNAVINST 5215.17A, paragraph 9. Otherwise, if the instruction is no longer required, it will be processed for cancellation as soon as the need for cancellation is known following the guidance in OPNAV Manual 5215.1 of May 2016.

10. Forms and Information Management Control

a. Report control symbol OPNAV 4000-16 is assigned to the effectiveness report contained in paragraph 7 and subparagraph 4h of enclosure (1) and is approved for 3 years from the date of this instruction.

b. The performance reflected in the gross and net supply availability for underway, refit, and submarine supply support reports will be reviewed on a quarterly basis or as required by the strategic submarine supply support review forum.

D. R. SMITH
Deputy Chief of Naval Operations
Fleet Readiness and Logistics

Releasability and distribution:
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LOGISTICS SUPPORT OF THE TRIDENT SYSTEM

1. SWS and AWS Support
   a. Requirements. SSP will ensure operational missiles are available to satisfy paragraphs 1a(1) through 1a(3) for each Trident submarine carrying ballistic or guided missiles.

      (1) Shipfills for loading new construction, overhauled, and converted Trident submarines no later than 15 days prior to the scheduled deployment date.

      (2) Requirements for Chief of Naval Operations (CNO) approved missile test programs to permit complete surveillance of all missiles without degrading operational availability.

      (3) Operational guided missiles will be provisioned per the Naval Air Systems Command (NAVAIRSYSCOM) Program Executive Office Unmanned Aviation and Strike Weapons Tomahawk All-Up Round Logistics Guide (NOTAL).

   b. Missile Facilities. Strategic Weapons Facility Pacific (SWFPAC), Bangor, Washington; Strategic Weapons Facility Atlantic (SWFLANT), Kings Bay, Georgia; and Naval Ordnance Test Unit (NAVORDTESTU), Cape Canaveral, Florida, will provide Trident D5 II ballistic missile support to Trident forces.

   c. Missile and Related Equipment Maintenance Plan. The maintenance plan for DIRSSP furnished Trident SWS subsystems (i.e., fire control, guidance, navigation, launcher, test instrumentation, missile, and missile support equipment) and SSGN AWS (i.e., attack weapon control subsystem, multiple all-up-round canister) will be directed via DIRSSP instructions and in DIRSSP-approved maintenance and operations manuals for specific equipment. Strategic weapons support subsystem and attack weapon support system will use a combination of DIRSSP and NAVSEASYSCOM approved maintenance and operations manuals for specific equipment.

   d. Weapon System Configuration Management. SSP will provide configuration management and life cycle management for the Trident SWS and AWS.

2. Trident Submarine: SSBN and SSGN Support
   a. Maintenance Plans. NAVSEASYSCOM will establish and maintain maintenance plans for all Trident submarines, both SSBNs and SSGNs, per reference (a). These plans will encompass all shipboard systems, subsystems, equipment, and components. Equipment and systems under the cognizance of NAVSEA 08 will be established and maintained following directives issued by that activity. Equipment and systems under the cognizance of SSP will be established and maintained per directives issued by SSP.
b. **Trident System Integrated Logistics.** The Trident System consists of Trident submarines (SSBNs and SSGNs), their Trident II SWS or AWS, and a logistics support structure planned, designed, and maintained commensurate with the operational availability requirements of Trident submarines. Per COMSUBLANT/CTF42 OPORD 2000 and COMSUBPAC OPORD 201 (NOTAL), Trident SSBNs are designed to operate on a 100-day cycle. This cycle consists of 65 days at sea on patrol and 35 days in port off patrol, including an approximate 21-day period between patrols for refit, incremental overhauls, appropriate modernization, and resupply. Trident SSGNs operate on a much more dynamic schedule. To maximize the operational availability of this small submarine class, SSGNs operate for extended periods of time away from homeport. To provide a sustained forward-deployed presence, SSGNs receive maintenance and logistics support from homeport fly-away teams and submarine tenders. To support these operational cycles, each Trident submarine has two complete crews assigned. An integrated product support system has been developed to achieve and maintain these operational cycles throughout the life of the Trident submarine. Basic concepts of the Trident logistics program are listed in the following subparagraphs 2b(1) through 2b(7).

(1) SSP will coordinate and issue guidance on CNO approved policy for Trident SWS and AWS training. Commander, Naval Education and Training Command (NETC) will ensure Trident training facilities are provided to support training requirements. NAVSEASYSCOM cognizant training will be supported per OPNAVINST 3502.5B.

(2) SSBNs will have all refits conducted at either Trident Refit Facility Kings Bay, Georgia or Puget Sound Naval Shipyard and Intermediate Maintenance Facility (PSNS and IMF). SSGNs will have major maintenance periods (MMP) performed at Kings Bay, Georgia, or PSNS and IMF, and routine maintenance availabilities conducted by a homeport fly away team or submarine tender while forward-deployed. Operational and logistics support commands will be maintained under appropriate budget submission office to support Trident submarine maintenance, training, replenishment, and operational requirements. At a minimum, these organizations will include Trident submarine group and squadron commanders; Trident training, refit (replenishment), and base support facilities for Trident submarines; and strategic and tactical weapons facilities’ support of specific weapons. If direct command relationships between fleet commands and support activities are not present, additional duty relationships will be established.

(3) Trident command and control system computer software maintenance will be performed by a dedicated Trident command and control maintenance activity under the cognizance of NAVSEASYSCOM.

(4) System designs will reflect equipment configuration which is designed for maximum accessibility and removability, with extensive emphasis on performance monitoring and planned maintenance and module or component replacement vice piece-part repair. Planned maintenance system tasks performed during patrols, with a periodicity of monthly or less, will not require more than 2 hours of system or equipment off-line time.
(5) A dedicated task force embodying the technical skills and resources of Naval Supply Systems Command (NAVSUPSYSCOM) Weapons Systems Support, Naval Sea Logistics Center, or other SSP designated entities will provide life cycle technical and administrative support of the logistics data warehouse, the logistics data system, and other supply support programs. SSP will issue or revise appropriate directives which will ensure the coordination of these activities.

(6) Trident systems and equipment are designed to minimize the requirements for at-sea preventive and corrective maintenance. Corrective maintenance during patrol will normally consist of module, assembly, or minor component replacement. However, this maintenance concept will not negate the requirement for crew training, technical documentation, repair parts, and spares to support more extensive corrective maintenance actions while on patrol if the need arises.

(7) PSNS and IMF and Trident Refit Facility Kings Bay intermediate maintenance responsibilities are included in the following subparagraphs 2b(7)(a) through 2b(7)(e), in priority order.

(a) support of operational Trident submarines;

(b) Trident planned equipment replacement (TRIPER) program (discussed in subparagraph 2c) maintenance;

(c) support of the Trident training facilities;

(d) other program I activities; and

(e) non-Trident activities. Program I activities are those programs that are in direct support of Trident SSBNs and are authorized to use the "X" project code reserved for the Trident SSBN program.

c. Refit, Engineered Overhaul, and Incremental Overhaul of Trident Submarines. Trident logistics support will be based on a maintenance concept that provides for a progressive, incremental overhaul including accomplishment of planned and corrective maintenance, and directed modernization actions during the refit maintenance period. The Trident maintenance concept will include emphasis on accomplishment of maintenance ashore, rotatable pool, and off-hull maintenance of selected equipment, prestaging of materiel resources, use of performance monitoring, and disciplined alteration and improvement programs. The Trident class maintenance plan will identify the technical requirements for organizational, intermediate, and depot level maintenance.

(1) Refit of Trident Submarines. Maintenance facilities will conduct routine refits and progressive, incremental overhauls and backfits of Trident submarines.
(2) **Engineered Refueling Overhaul (ERO) and Extended Refit Period for Trident Submarines.** During its operational life cycle, each Trident submarine will periodically undergo an ERO or extended refit period. NAVSEASYSCOM will coordinate planning with SSP and the appropriate TYCOM to ensure Trident submarine EROs and extended refit periods are accomplished per CNO schedules at shipyards or repair facilities that have the capability to conduct these overhauls.

(3) **Incremental Overhaul of Trident Submarines.** The refurbishment of Trident shipboard equipment will not be deferred until scheduled ship's ERO or extended refit period, unless the equipment can be expected to operate reliably for the full operating period and such equipment refurbishment can be accomplished during the ERO or extended refit period without jeopardizing the duration of the ERO or extended refit period. Instead, using the TRIPER Program managed by NAVSEASYSCOM, equipment will be refurbished on a planned basis by PSNS and IMF and Trident Refit Facility Kings Bay conducting progressive, incremental overhauls during regular refit periods by the use of a rotatable pool of selected shipboard equipment. Details on the TRIPER Program can be found in reference (b). Equipment under the cognizance of SSP and NAVSEA 08 will not be included in the TRIPER Program; however, SSP will review and comment on strategic weapon support system and attack weapon support system maintenance plans in the TRIPER Program and will provide requirements to NAVSEASYSCOM for incorporation in TRIPER documentation.

d. **Refit (Replenishment) Sites for Trident Submarines.** Trident submarines will be operated from and routinely supported by PSNS and IMF, Trident Refit Facility Kings Bay, and strategic weapons facilities, which will be capable of providing a full range of repair and maintenance services, including repair of SWS, AWS, and special nuclear components. Trident submarine refit sites are established as per subparagraphs 2d(1) and 2d(2) below.

(1) Bangor and Bremerton, Washington: PSNS and IMF and SWFPAC.

(2) Kings Bay, Georgia: Trident Refit Facility Kings Bay, Georgia, and SWFLANT.

e. **Test, Measurement, and Diagnostic Equipment (TMDE) for Trident SSBN and SSGN Submarines.** SSP will establish, implement, and maintain a support and test equipment control system to ensure the availability and support of TMDE used on board Trident SSBNs, SSGNs, and Trident support activities located at Bangor, Washington, and Kings Bay, Georgia. Further policy for acquisition, configuration control, quality assurance, repair, calibration, and management of TMDE for the Trident SSBN and SSGN system will be issued by SSP. NAVSEASYSCOM will provide similar support for radic equipment.

f. **Modernization and Configuration Management for Trident Submarines.** NAVSEASYSCOM will ensure modernization and configuration management of Trident submarines, Trident support equipment (with the exception of SSP and NAVSEA 08 equipment), and related facilities are controlled, per reference (c), to ensure no change has an adverse impact.
on the Trident submarine refit and patrol cycle, or on the continuity and integration of logistics support. This requirement applies to all types of changes. Trident modernization is implemented as part of the Trident configuration management program under the cognizance of the NAVSEASYSCOM Strategic and Attack Submarine Program Manager (PMS 392). OPNAV Undersea Warfare Division (OPNAV N97) will exercise oversight and approval authority for both hull, ordnance and electronics modernization, and the command and control system class improvement program. NAVSEASYSCOM will ensure subparagraphs 2f(1) through 2f(4) below are followed.

(1) The Trident System is delivered with an established system, equipment, component, software, and documentation configuration baseline.

(2) Only changes that are both required and can be accomplished will be developed. Changes will be approved only after schedules are established that define the planned completion date for each installation.

(3) Changes will be accomplished only after full integrated product support of the altered items and affected shore site equipment is available, and adequate life cycle funding is identified. Integrated product support includes supply support, maintenance, and technical data as well as items such as training facilities, tactical and training unique equipment, and training materiel, per OPNAVINST 1500.76C.

(4) Alterations to tactical computer and tactical support computer software and hardware will be accomplished only after successful system testing, certification, and approval of an off-hull test and evaluation facility. Alterations to training unique computer software and hardware will also be accomplished only after successful testing, certification, and approval at an off-site facility when conducting these operations at the training site would have an impact on training.

g. Logistics Support Analysis for v Submarines. NAVSEASYSCOM will ensure life cycle logistics support analysis is accomplished on new or modified hull, ordnance, and electronics equipment for Trident submarines, per references (c) and (d). Integrated product support certifications for approved alterations embody the successful development of requisite logistics products arising from the logistics support analysis process.

h. Performance Monitoring for Trident Submarines. NAVSEASYSCOM will maintain a performance monitoring program throughout the operational life of the Trident submarine. Monitoring will include surveillance inspections, trend assessment and analysis, performance tests, review of repair and maintenance documentation, and analysis of equipment and systems. Results of the performance monitoring program will be incorporated in the class maintenance plan, refit planning, and ERO and extended refit period planning, as required.

i. Technical Documentation for Trident Submarines. SSP, NAVSEASYSCOM, NAVAIRSYSCOM, and Space and Naval Warfare Systems Command will ensure life cycle
accuracy and availability of technical documentation for their respective equipment for all shipboard and training site systems. The organizational structures at PSNS and IMF and Trident Refit Facility Kings Bay will include a technical documentation support system managed per current direction for local Trident commands including the PSNS and IMF, Trident Refit Facility Kings Bay, Trident training facilities, and Trident submarines. NAVSEA 08 and SSP will maintain control of technical documentation pertaining to the systems and equipment under their cognizance.

j. Logistics Data System for Trident Submarines. SSP will establish and maintain a Trident Logistics Data System to aid in maintenance and supply management, and provide integrated product support information to logistics element managers, participating managers, and operational users in support of their life cycle responsibilities. Logistics Data System is the program of record for Trident maintenance planning and will continue to be until replaced by an SSP-approved application with similar capability that supports the unique Trident maintenance requirements of refit and incremental overhauls. Alterations to Trident Logistics Data System hardware and software will be accomplished only after SSP approval and successful system testing and certification at an off-site test and evaluation facility.

3. Communications Systems Support Requirements. The command or budget submission office and life cycle manager responsible for maintenance of Trident related communications equipment will ensure the spares, repair parts, and consumable items required to support this equipment are maintained, per reference (e).

4. Materiel Support

a. Support Concept. Materiel support of Trident systems will be structured as described in subparagraphs 4a(1) through 4a(3) below.

(1) NAVSEASYSCOM will establish and maintain a rotatable equipment pool of selected equipment applicable to all Trident submarines to achieve the progressive, incremental overhaul of the submarines discussed in subparagraph 2c. Policies and processes for the TRIPER Program are governed by reference (b).

(2) Trident submarines will be provided coordinated shipboard allowance lists (COSAL) from NAVSUPSYSCOM for SWS support (i.e., missile, fire control, guidance, navigation, launcher, test instrumentation, and missile support equipment) or AWS support, reactor plant equipment support and hull, ordnance, and electronics equipment support tailored to onboard equipment and the related maintenance requirements.

(3) Defense Logistics Agency (DLA), PSNS and IMF, and Trident Refit Facility Kings Bay will be provided tailored Trident load lists designed to support their mission as logistics replenishment support points for Trident system supported units and activities, such as Trident training facilities, selected service craft, and direct support telecommunication activities in

6 Enclosure (1)
support of the Trident Program. SSP, NAVSUPSYSCOM, and NAVSEASYSCOM will provide load list support for Trident training facilities’ organizational level maintenance requirements consistent with effectiveness goals established for Trident submarines.

b. Allowance and Load Lists. SSP has overall responsibility for the development, computation, issuance, and accuracy of allowance and load lists for Trident submarines, DLA, PSNS and IMF, Trident Refit Facility Kings Bay, Trident support facilities, and other Trident program ships. Models used for this purpose will be approved by SSP and OPNAV N41. SSP has overall responsibility for the assignment of military essentiality codes that provide a relative ranking system for measuring the effect of part failures on the capability of Trident submarines to perform their mission per references (f) and (g). The military essentiality codes, plus historical or predicted Trident Program usage data, will be used in the computation of shipboard allowances and load lists. Items allowed as onboard repair parts in the allowance lists are to be within the maintenance capability of the activity. Reactor plant support aspects of such load lists, military essentiality codes assignments, and allowance lists will have concurrence by NAVSEA 08 and NAVSUPSYSCOM Weapons Systems Support Nuclear Directorate (N94) and will be per reference (h) and NAVSEA 08 enterprise business system policy.

c. Trident Submarine Supply Support. A COSAL provides the first level of onboard support and will constitute the allowance for each Trident submarine. The COSAL will be designed to provide the range and depth of repair parts, operating space items, equipage, and consumables required to support organizational level planned and corrective maintenance for a period not to exceed 90 days. The depth of repair parts will be provided to ensure subparagraphs 4c(1) through 4c(4) are followed.

(1) A 99.99 percent average protection against probability of stockout for items that, if not available, would cause total missile launch degradation or termination of patrol.

(2) A 99 percent average protection against probability of stockout for items that, if not available, would partially degrade the missile launch capability.

(3) A 90 percent average protection against probability of stockout for all other items.

(4) Standards for the reactor plant COSAL and associated repair parts and allowance items will be as directed by NAVSEA 08.

d. Trident Supply Support. NAVSUPSYSCOM Fleet Logistics Center (FLC) Puget Sound and Trident Refit Facility Kings Bay perform retail inventory management of a tailored Trident load list per SSP OD 64701 (NOTAL) which provides supply support for the Trident System. The purpose of this load list is to support the unique refit maintenance and submarine re-supply cycle used to support the Trident submarines. SSP will update procedures and develop and issue the policy for determination of load list quantities, range of materiel, budgeting, and revisions. To ensure the continued robustness and reliability of the Trident System, the Trident load list
will continue to be used to establish retail inventory levels. Under any future inventory management scenario, the Trident load list will be the program of record for retail supply support requirements unless authorized by SSP.

e. **ERO or Extended Refit Period Supply Support.** To meet the intent of reference (i), a Trident repair parts analysis program will be executed for each ERO and extended refit period, per reference (j). Trident repair parts analysis program functions include physical inventory, identification, management, and temporary storage of onboard repair parts; identification of onboard repair parts deficiencies and turn-in of excesses; verification of usage life of shelf-life materiel; and ensuring materiel required by Trident submarines is on board prior to deployment. NAVSUPYSYCOM Weapons Systems Support N94 will accomplish tasks related to reactor plant repair part outfitting of Trident submarines in ERO or extended refit period.

f. **Supply System Support.** Materiel for replenishment of stocks in Trident submarine COSALs and shore-based load lists will be stocked by the Navy supply system, DLA, or the General Services Administration (GSA) and positioned at DLA, PSNS and IMF, SSP Supply Support Detachment of NAVSUPYSYCOM FLC Puget Sound or Trident Refit Facility Kings Bay. SSP will ensure supply system support of the Trident systems is sustained at the level necessary to meet the materiel availability goals per subparagraph 4g below. In the accomplishment of these goals, SSP, NAVSUPYSYCOM, NAVSEASYCOM, NETC, and the fleet commanders will ensure funding for support of the Trident systems is planned, programmed, budgeted, and executed.

g. **Availability of Material.** Goals are established for all echelons of support. For each echelon, these goals are expressed in one or more of the following computations: gross supply availability (percentage of all stock numbered items, activity control numbers for SWS and temporary Navy item control numbers for hull, ordnance, and electronics requested that were available at the time requisitioned); net supply availability (percentage of the items carried in stock at the activity that were available at the time requisitioned); and SSBN refit period supply system gross availability (percentage of all stock numbered items requested by an SSBN during a refit period, and supplied from all sources during the same refit period). These measures will be termed “gross,” “net,” and “system gross,” respectively. Goals are defined in subparagraphs 4g(1) through 4g(3) below and listed in enclosure (2) for convenience. Nuclear reactor plant materiel availability goals will be established by NAVSEA 08.

(1) **Trident SSBN and SSGN Submarine Goals.** The Trident SSBN and SSGN submarine patrol period gross supply availability goals are 95 percent and 90 percent, respectively.

(2) **IMF and Trident Refit Facility Kings Bay Goals.** Materiel to support the repair and resupply of Trident SSBN and SSGN systems will be stocked at the level necessary to support the following availability goals: For requisitions bearing Trident project code “X,” goals are 90 percent net Trident applicable hull, ordnance, and electronics materiel and 95 percent net for
SWS materiel. For requisitions bearing project code “F,” the goals are 88 percent net for SSGN applicable hull, ordnance, and electronics materiel and 93 percent net for AWS materiel. Nuclear materiel availability goals are managed by NAVSEA 08.

(3) Refit Goals. For Trident SSBN submarine requisitions submitted during a refit period, a goal of 95 percent for system gross is established for materiel supplied from all sources. For Trident SSGN submarine requisitions submitted during an MMP, a goal of 93 percent system gross is established for materiel supplied from all sources. System gross availability percentages less than 90 percent will be the subject of special review action by the TYCOM. For the purpose of calculating this measure, priority designator 11-15 and non-standard requisitions will be excluded.

h. Logistics Data Warehouse Reports. Reports of gross and net supply availability for underway, refit, and submarine supply support will be obtained from the SSP logistics data warehouse. Logistics data warehouse can be accessed by authorized representatives of the strategic submarine supply support review stakeholder community. Logistics data warehouse can provide real time supply support metrics that can be evaluated to monitor or diagnose materiel support issues.

(1) Monitoring and evaluation of supply support metrics associated with Trident supply support will be conducted via the strategic submarine supply support review forum. Monitoring will address actual performance relative to the goals established in enclosure (2).

(2) Trident submarines will submit optimized Naval Tactical Command Support System (NTCSS) reports via squadron maintenance data collection offices.

i. Protection Level Availability. In addition to maintaining sufficient materiel to achieve the availability goals in subparagraphs 4g(1) through 4g(3) above, SSP, in conjunction with NAVSEASYSCOM and NAVSUPSYSCOM, will ensure the stocking of at least one minimum replacement unit of all items that, if not available, would degrade the mission of any Trident submarine.

j. Onboard Requirements. Trident submarines will have, at a minimum, 99 percent of the range of spares, repair parts, and equipment-related consumables required by the most recent COSAL on board prior to deployment. Additionally, 100 percent of the range and depth of allowed Reactor Plant COSAL reactor plant materiel should be on board or on order at all times, per reference (h). If these onboard requirements are not achieved, the decision to deploy will be determined by the operational commander.

k. Fleet Submarine Logistics Support Offices. Trident Refit Facility Global Support Branch Kings Bay, Georgia, and Priority Material Office Bremerton, Washington, have been established to provide effective support of Trident submarines through their life cycle, including new construction, predeployment, post shakedown availability, and ERO or extended refit period.
These activities provide a focal point through which Commander, Submarine Forces; Submarine Force Atlantic; and Commander, Submarine Force U.S. Pacific Fleet, exercise supply responsibilities, procedures, and policies for the Trident systems assigned to U.S. Fleet Forces Command (USFLTFORCOM). Submarine TYCOMs will provide detailed responsibilities for the submarine logistics support offices in conjunction with SSP and NAVSEASYSCOM.

1. Trident Uniform Materiel Movement and Issue Priority System (UMMIPS) Policy. UMMIPS requirements, as defined in reference (k), are applicable to Trident systems.

m. Force/Activity Designators (F/AD). F/ADs are used in conjunction with urgency of need (UND) to establish a metric of priorities for supply requisitioning and the transport system. References (k) and (l) provide information, guidance, and procedures governing F/AD assignments.

n. Requisition Priority Limitations. Table 1 details limits placed on the number of requisitions bearing high priority designators. All requisitioners will ensure priority assignments are based on strict application of F/ADs and on UND designators following the ship’s operational status.

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<tr>
<th>Other Activity Categories</th>
<th>Ratio of Total Requisitions That May Bear UND “A” and “B”</th>
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<tbody>
<tr>
<td>Trident refit facility, PSNS and IMF, Trident training facilities, strategic weapons facility</td>
<td>80%</td>
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<tr>
<td>Surface ships in support of Trident systems</td>
<td>55%</td>
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<tr>
<td>Shipyards, NAVORDTESTU and other industrial activities</td>
<td>50%</td>
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<td>Research, development, and laboratory activities</td>
<td>40%</td>
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<tr>
<td>Other shore-supporting activities (e.g., submarine base)</td>
<td>25%</td>
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Table 1: Required Requisition Ratios by Activity Category

o. Transportation of Materiel. All Trident SWS and AWS materiel will be shipped by traceable means only. Funding for all transportation will be furnished by SSP. Surface transportation is preferred for shipment of Trident SWS and AWS materiel. High priority materiel requirements that cannot be satisfactorily met by surface transportation will be filled by air shipments. USFLTFORCOM, or designated logistics or transportation agents, will determine airlift requirements and exercise strict movement control over materiel for Trident forces.

p. Cannibalization and Diversion of Trident Submarine Equipment, Components, Spares, and Repair Parts. Cannibalization or diversion of government and contractor-furnished Trident materiel, excluding equipment and systems under the cognizance of NAVSEA 08, will be per
reference (m) and SSP, NAVSEASYSCOM, NAVSUPSYSCOM, NETC, and fleet commanders. Strict accountability of all cannibalized or diverted Trident submarine equipment and components will be maintained by submarine TYCOMs.
TRIDENT SSBN AND SSGN
SYSTEM MATERIEL AVAILABILITY GOALS (PERCENTAGES)

<table>
<thead>
<tr>
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<th>Patrol</th>
<th>Shore Maintenance and Resupply</th>
<th>30-Day Refit</th>
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<td>Gross Availability</td>
<td>Monthly Materiel Net Availability</td>
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<td>SWS</td>
<td>hull, ordnance and electronics</td>
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<td>SSBN</td>
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<td>95</td>
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