



## **THE U.S. SHIPBUILDING INDUSTRIAL SUPPLIER BASE LEGISLATIVE REQUESTS**

### **1. REQUIREMENT THAT CERTAIN SHIP COMPONENTS FOR AUXILIARY SHIPS BE MANUFACTURED IN THE NATIONAL TECHNOLOGY AND INDUSTRIAL BASE.**

(a) **ADDITIONAL PROCUREMENT LIMITATION.**—Section 2534(a)(6) of title 10, United States Code, is amended as follows:

“(6) **COMPONENTS FOR AUXILIARY SHIPS.**— Subject to subsection (k), the following components must be engineered, manufactured and assembled in the U. S.:

(A) Auxiliary equipment, including pumps, for all shipboard services.

(B) Propulsion system components, including engines, reduction gears, and propellers.

(C) Shipboard cranes.

(D) Spreaders for shipboard cranes.

(E) Medium-speed diesel engines.

(F) Power Distribution equipment, Energy Storage Systems, energy storage/magazine equipment.

(G) Auxiliary propulsion units and systems, including bow and tunnel thrusters, waterjets, dynamic positioning systems, and hybrid propulsion systems.

(H) Ship service power generators and emergency generators, and hybrid drive systems.

(I) Military Qualified Wire and Cable and derived products.

(J) Propulsion shafting.

(K) Crankshafts for marine engines.

(L) Specialized Valves for pneumatic, fuel, firefighting, countermeasure wash down, and chilled water systems.

(M) Air circuit breakers.

(N) LV & HV switchgear.

(O) Power converters.

(P) Power inverters.

(Q) Frequency converters.

(R) Aircraft Electrical Starting Stations (AESS).

(S) Degaussing systems.

(T) Static Automatic Bus Transfer Switches (SABTs).

(U) Inertial navigation systems and gyrocompass.

(V) Propulsion and ship's service diesel engines.

(b) IMPLEMENTATION.—Subsection (k) is amended as follows:

“(k) IMPLEMENTATION OF AUXILIARY SHIP COMPONENT LIMITATION.—

Subsection (a)(6) applies only with respect to contracts awarded by the Secretary of a military department for new construction of an auxiliary ship after the date of the enactment of the National Defense Authorization Act for Fiscal Year 2021 using funds available for National

Defense Sealift Fund programs or Shipbuilding and Conversion, Navy. For purposes of this subsection, the term ‘auxiliary ship’ does not include an icebreaker.”

## **2. SHIPBUILDING COMPONENT SUPPLY CHAIN RISK MITIGATION THROUGH REQUIREMENTS GENERATION** (Report language)

The Committee notes that supply chain risk issues have grown in importance as the U.S. defense acquisition supply base has become increasingly global. The Committee further recognizes that supply chain risk mitigation is requirements-specific and should be addressed early in the acquisition process to allow for tailoring where appropriate. Specifically, the committee is concerned that the shipbuilding supplier base has experienced significant contraction over the past several decades, resulting in single or only a few sources for critical components for propulsion and electrical generation and control. Several recent shipbuilding programs have incorporated foreign components at the expense of domestic suppliers, increasing risk both for the critical domestic supplier base and for potential acquisition of foreign components that may expose U.S. Navy ships to cyber-security threats. The Navy is directed to incorporate requirements for domestically manufactured components in acquisition plans for future ship acquisition programs, so that all elements of the US shipbuilding industrial base (shipyards, suppliers, and repair yards) are considered, with greater attention to potential impact on fragile sources of supply, recognition of past performance by a trusted domestic supplier base, impact on life-cycle support, and impact across other government shipbuilding programs.

These factors should be included in both the requirements generation and concept design efforts for the “Large Surface Combatant” and the “Next Generation Medium Amphibious” and “Next Generation Medium Logistics” ships.

### 3. NAVY FFG(X)

#### **BILL LANGUAGE**

Sec. \_\_\_\_\_ None of the funds provided in this Act for the FFG(X) Frigate program shall be used to award a new contract that provides for the acquisition of the following components unless those components are manufactured in the United States: Air circuit breakers; gyrocompasses; electronic navigation chart systems; steering controls; pumps; propulsion and machinery control systems; totally enclosed lifeboats; auxiliary equipment pumps; shipboard cranes; auxiliary chill water systems; propulsion propellers and other components outlined below:

- (A) Auxiliary equipment, including pumps, for all shipboard services.
- (B) Propulsion system components, including engines, reduction gears, and propellers.
- (C) Shipboard cranes.
- (D) Spreaders for shipboard cranes.
- (E) Medium-speed diesel engines.
- (F) Power Distribution equipment, Energy Storage Systems, energy storage/magazine equipment.
- (G) Auxiliary propulsion units and systems, including bow and tunnel thrusters, waterjets, dynamic positioning systems, and hybrid propulsion systems.
- (H) Ship service power generators and emergency generators, and hybrid drive systems.
- (I) Military Qualified Wire and Cable and derived products.
- (J) Propulsion shafting.

- (K) Crankshafts for marine engines.
- (L) Specialized Valves for pneumatic, fuel, firefighting, countermeasure wash down, and chilled water systems.
- (M) Air circuit breakers.
- (N) LV & HV switchgear.
- (O) Power converters.
- (P) Power inverters.
- (Q) Frequency converters.
- (R) Aircraft Electrical Starting Stations (AESS).
- (S) Degaussing systems.
- (T) Static Automatic Bus Transfer Switches (SABTs).
- (U) Inertial navigation systems and gyrocompass.
- (V) Propulsion and ship's service diesel engines.

Provided, That the Secretary of the Navy shall incorporate United States manufactured propulsion engines, propulsion reduction gears, and propulsion shafts into the FFG(X) Frigate program.

## **REPORT LANGUAGE**

There remain concerns with the dependence of the Department of the Navy to source surface ship components from foreign industry partners rather than promote a robust domestic industrial base. The Committee directs the Secretary of the Navy to procure certain components for the FFG(X) Frigate program from United States suppliers, including the following

components:

- (A) Auxiliary equipment, including pumps, for all shipboard services.
- (B) Propulsion system components, including engines, reduction gears, and propellers.
- (C) Shipboard cranes.
- (D) Spreaders for shipboard cranes.
- (E) Medium-speed diesel engines.
- (F) Power Distribution equipment, Energy Storage Systems, energy storage/magazine equipment.
- (G) Auxiliary propulsion units and systems, including bow and tunnel thrusters, waterjets, dynamic positioning systems, and hybrid propulsion systems.
- (H) Ship service power generators and emergency generators, and hybrid drive systems.
- (I) Military Qualified Wire and Cable and derived products.
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- (M) Air circuit breakers.
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- (R) Aircraft Electrical Starting Stations (AESS).

(S) Degaussing systems.

(T) Static Automatic Bus Transfer Switches (SABTs).

(U) Inertial navigation systems and gyrocompass.

(V) Propulsion and ship's service diesel engines.

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