

MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2026-452
Item to be Scouted	Submarine-service valve bodies and pressure-retaining valve components
Days to be scouted	30
Response Due By	09/11/2026
Description	Seeking U.S. manufacturers capable of machining and supplying valve bodies, bonnets, stems, seats, and related pressure-retaining valve components for submarine and naval maritime applications. Suppliers should have experience

Section 2: Technical Information

Type of supplier being sought	documentation. Manufacturer
Reason	Virginia 2nd Supplier
Describe the manufacturing processes (elaborate to provide as much detail as possible)	Multi-axis CNC milling and turning; boring; drilling; threading; precision grinding; welding where required; dimensional inspection; material traceability; pressure-component finishing and testing. Preference for manufacturers experienced with forged or cast valve bodies and difficult-to-machine naval alloys.
Provide dimensions / size / tolerances / performance specifications for the item	Component sizes and tolerances vary by application. Seeking suppliers capable of machining small- and medium-format valve components to controlled engineering drawings, including precision sealing surfaces, concentric bores, threaded interfaces, and tightly controlled mating features. Final dimensions and tolerances would be drawing-specific
List required materials needed to make the product, including materials of product components	Stainless steels, nickel-based alloys, copper-nickel alloys, high-strength steels, titanium, and other naval-grade corrosion-resistant alloys, depending on application.
Are there applicable certification requirements?	Yes
Certification(s) required	DFARS ,ISO 9001 ,ITAR
Details	Relevant U.S. Navy/NAVSEA supplier and quality approvals, as applicable to the component. Existing submarine or naval nuclear supply-chain qualifications preferred.
Are there applicable regulations?	Yes
Details	ITAR and applicable DFARS requirements. Suppliers should be capable of meeting applicable U.S. Navy/NAVSEA requirements for material traceability, quality documentation, configuration control, inspection, and record retention.
Are there any other standards, requirements, etc.?	Yes
Details	Applicable NAVSEA and U.S. Navy technical requirements for submarine-service valves and pressure-retaining components. Preference for suppliers with existing experience producing components for submarine, naval nuclear, shipbuilding, or other critical Navy applications, including applicable welding, NDT, material traceability, and quality-control requirements.
Additional Technical Comments	Preference for established U.S. manufacturers with demonstrated experience producing high-reliability valve or pressure-retaining components for submarine, naval, nuclear, shipbuilding, or similarly demanding defense applications. Relevant capabilities include specialty-alloy machining, material traceability, controlled quality systems, dimensional inspection, and production to customer engineering drawings. Existing experience supporting U.S. Navy programs, naval shipyards, submarine shipbuilders, or their supply chains is highly desirable.

Section 4: Business Information

Estimated potential business volume	Low-volume, high-mix requirements initially, with potential for recurring production demand. Estimated annual volume may range from approximately 25–250 components per part number, depending on application and qualification status.
Estimated target price / unit cost information (if unavailable explain)	Pricing varies materially by component size, alloy, machining complexity, inspection requirements, and qualification status. Target pricing is not yet established; competitive pricing will be evaluated alongside quality, delivery performance, technical capability, and applicable Navy requirements.
When is it needed by?	Supplier identification and qualification can begin immediately. Production timing will depend on component-specific requirements and qualification status.
Describe packaging requirements	Protective packaging appropriate for precision-machined metallic components, including corrosion protection and preservation as required. Parts should be individually protected or separated to prevent damage, with applicable material, lot, inspection, and traceability documentation included.
Where will this item be shipped?	Virginia and other U.S. East Coast locations supporting naval shipbuilding and submarine industrial base requirements.

Additional Comments

Is there other information you would like to include?	Preference for established U.S. manufacturers with demonstrated experience supporting submarine, naval nuclear, shipbuilding, or other high-reliability defense applications. Suppliers with existing U.S. Navy or submarine industrial base experience, specialized machining capability, rigorous quality systems, material traceability, and the ability to support recurring low-volume/high-mix production are particularly relevant. Existing relationships with major naval shipbuilders or their supply chains are desirable but not required.
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