



DEPARTMENT OF THE NAVY
NAVAL AIR SYSTEMS COMMAND
ADMIRAL WILLIAM A. MOFFETT BUILDING
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PATUXENT RIVER, MARYLAND 20670-1547

IN REPLY REFER TO

CJ&A No. 09-306C

**CLASS JUSTIFICATION AND APPROVAL (CJ&A)
FOR USE OF OTHER THAN FULL AND OPEN COMPETITION**

1. Contracting Activity.

Naval Air Systems Command
Tactical Aircraft Contracts Department, AIR-2.2
47123 Buse Road, Building 2272, Room 453
Patuxent River, MD 20670-1547
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2. Description of the Action Being Approved.

This Class Justification and Approval (CJ&A) authorizes and approves the issuance of contract actions to General Atomics (GA), San Diego, CA for the procurement of the Electromagnetic Aircraft Launch System (EMALS) CVN 78 production ship-set and associated requirements. Authority to act under this justification expires 30 September 2014.

3. Description of Supplies/Services.

The proposed contract actions require GA to provide the services and material necessary to manufacture, assemble, integrate and test the EMALS CVN 78 ship-set. In addition to the production system, the contractor will provide associated requirements including systems engineering, production management, systems integration, installation, checkout spares, initial spares and an additional Energy Storage Subsystem Test Stand. This effort also includes logistics support, quality assurance, peculiar support equipment; energy storage system test stand, storage, freight and shipping; as well as, technical, administrative and financial data required to deliver EMALS. Delivery of the hardware is projected from Fiscal Year (FY)11 through FY14.

Key EMALS objectives include the replacement of the current generation of steam catapults. EMALS will provide a thirty percent (30%) reduction in catapult V-2 division manning workload, a twenty percent (20%) improvement in operational availability; reduced peak to means; and improved fault tolerance when compared to steam catapults.

The total estimated value of the EMALS ship-set procurement and associated requirements is \$594,000,000. Obligations under the contract will be phased between FYs 2009 through 2014 with Shipbuilding and Conversion, Navy (SCN) funds. Table 1 reflects funding from the CVN 78 NAVSEA Form 7300/4 for EMALS production. Funding in FY09 includes \$6,000,000 for the Energy Storage System Test Stand.

Table 1. Estimated Dollar Value (\$M)*

	FY09	FY10	FY11	FY12	FY13	FY14	Total
SCN CVN78, New Construction	\$104.1	\$162.9	\$115.0	\$95.5	\$85.5	\$10.0	\$573.0
Energy Storage System Test Stand	\$6.0						\$6.0
Initial Spares					\$15.0		\$15.0

***Or as otherwise authorized and appropriated by Congress.**

4. Statutory Authority Permitting Other Than Full and Open Competition.

The statutory authority permitting other than full and open competition is Title 10, U.S.C. 2304(c)(1), as implemented by the Federal Acquisition Regulation (FAR 6.302-1), "Only one responsible source and no other supplies or services will satisfy agency requirements," is the statutory authority permitting other than full and open competition.

5. Rationale Justifying Use of Cited Statutory Authority.

GA is the sole designer, developer, and manufacturer of the EMALS system. GA was awarded one of two Program Definition Reduction Phase Development Contracts as the result of a Full and Open Competition, and it won the sole System Development and Demonstration Contract as a result of limited competition. GA is the only source with the requisite knowledge and experience to complete development, integration, and production of EMALS to meet the CVN 78 delivery requirements. It would take an estimated 10 years and \$620M (in FY11 dollars) for another contractor to design and develop a commensurate system. This timeline would prevent EMALS from being deployed on the CVN 78 aircraft carrier class (CVN 78 through CVN 80) and would require redesign of the ships for steam catapult. The Navy does not have a complete technical data package (TDP), nor sufficient rights in the technical data necessary to conduct a competition at this time. The Government did not acquire a complete TDP during the initial competitive procurement. The Government may procure the TDP during a later procurement. Therefore, GA is the only source that can manufacture EMALS.

6. Description of Efforts Made to Solicit Offers from as Many Offerors as Practicable.

The Naval Air Systems Command (NAVAIR) posted a synopsis for EMALS for CVN 78 on 12 May 2009 in the Federal Business Opportunities (FEDBIZOPPS). No other sources have responded to the synopsis nor expressed interest in the EMALS program. No challenges to the synopsis have been received to date and any future responses will be evaluated prior to contract award.

7. Determination of Fair and Reasonable Cost.

The Contracting Officer will determine fair and reasonable prices for the proposed hardware, material and support services, utilizing historical cost information and information obtained from the System Development and Demonstration (SDD) phase along with field pricing

reports and audits. Based on this data, the Contracting Officer will have adequate knowledge, information, and background to determine fair and reasonable prices.

8. Actions to Remove Barriers to Future Competition.

For the reasons cited above, there are currently no plans to competitively procure the types of supplies and services covered by this document. However, NAVAIR will explore the possibility of procuring a complete Production Data Package (PDP), so that competition can be considered in the future. Break out opportunities will also be considered, as this program matures.

