

COMPLETE THIS FORM IN ITS ENTIRETY, EVEN IF THE RESPONSE IS "NOT APPLICABLE".

**1. REQUIRING ACTIVITY.**

**PUGET SOUND NAVAL SHIPYARD**

**SHOP 26**

**DOCUMENT NUMBER: 2082-3340**

**2. DESCRIPTION OF CONTRACT ACTION.**

- a. State if procurement is:
- (1) Urgent Competitive (not sole source)
  - (2) Non-Urgent Sole Source
  - (3) Urgent Sole Source

Note: Dealer competition (different dealers offering the product of the *same manufacturer*) is sole source.

- b. For urgent, non-sole source requirements, provide the name, address, and phone/fax numbers of all known providers of the required product, preferably a minimum of three manufacturers. (Although the contracting office maintains a list of sources, it is best to provide sources you know can provide what is needed so that valuable time is not wasted in soliciting and evaluating offers from companies who cannot meet your needs.)
- c. For sole source requests, provide the contractor name, point of contact, address and phone/fax numbers. If a sole source manufacturer distributes via dealers, provide dealer information here.

**Sole Source –**

**3. DESCRIPTION OF SUPPLIES/SERVICES, ESTIMATED DOLLAR VALUE AND DELIVERY REQUIREMENTS.** Give a short description of the item or service required, the estimated cost, and required delivery date. (Sole source and urgency information is not needed here).

**Item: 11 ea. Nelson Nelweld 800i inverter stud welding systems**

**Estimated Cost:** 

**RDD: 06/09/2012**

## 4. EXPLANATION OF URGENT AND/OR SOLE SOURCE CIRCUMSTANCES.

**Keep in mind:**

- Lack of planning does not support urgency.
- Expiring funds/late release of funds does not support urgency
- Only the government's immediate minimum quantity requirement can be purchased under urgency.

a. **For Urgent Non-Sole Source Requirements:**

- (1) Provide a time line from when the need was identified. If a late identified item, explain why.
- (2) Identify manufacturing lead time.
- (3) Explain why the item is needed and what will happen if it's not received by the Required Delivery Date (RDD). Describe impact on overhaul/availability schedules, impact to base support, personnel safety issues, potential environmental damages, etc., and include the dollar value associated with late delivery.

b. **For Non-Urgent Sole Source Requirements:**

- (1) Explain the unique features/function of the item and why only one manufacturer can provide it. Discuss why a similar product from another manufacturer will not work.
- (2) If the item can only be obtained from the OEM (Original Equipment Manufacturer), discuss the proprietary (i.e. owned by the company, not for public release) design/drawing/specification requirements. Include a statement from the OEM that the proprietary information will not be released to the government.
- (3) If there is a higher order requirement mandating a particular manufacturer (i.e. NAVSEA drawing or IRPOD), cite the requirement and who approved or required its usage.
- (4) For component repair or replacement parts, explain any compatibility requirements, including a description of the existing equipment and the interface requirements.

**The Nelson 800i inverter stud welder has several unique safety and performance features that make it a superior system. Unique Weld, Gun, and Cable monitoring monitor and track executed weld quality and safe functionality of stud gun and cables. Patented Plunge Current reduces energy consumption and maintains consistent weld parameters as guns and cables wear and build up resistance with use and age. Cold Plunge Prevention enhances in process stud welding cycle by manipulating cycle component steps. Nelware feature provides record of production welded stud parameters for correct process parameter verification. A new unique Nelson stud gun safety feature is Tranquil Arc. Tranquil Arc slows the stud plunge into the molten base metal surface considerably reducing the amount of molten spatter and sparks given off during stud shooting greatly reducing the risk of fires. The 800i stud system is the only inverter stud system that we have found that allows us to shoot up to 1/2" studs anywhere on a boat because of its portability. It weighs only 40lbs. Its transformer counterpart weighs 150 lbs and is three times as big as the 800i.**

**When a welding system is purchased by Puget Sound Naval Shipyard it must undergo expensive and time consuming operational and procedural testing by our welding engineers before it can be used in production. When the welding system is approved it then must be used to perform procedure qualifications for every base metal material type to be welded with it. Once the system is approved and the procedure qualifications are complete each welding mechanic must be trained on the use of the equipment. This has already been accomplished with the Nelson 800i.**

**This is the only 800 amp inverter drawn arc stud welding system that will work with existing PSNS nelson OEM drawn arc stud welding equipment. S/26 currently has a large inventory of Nelson Stud welding systems (30 systems approx value \$210K) which include power supplies, guns, stud welding consumables, and Nelson stud welding extensions.**

All electrical welding equipment purchased by S/26 must certified by an OSHA recognized Nationally Approved Testing Laboratory. Most manufacturers do not offer stud welding systems that have this NRTL approval. S/26 paid to have the NRTL done to the Nelson 800i stud welding system. Per C/106 this NRTL will apply to any future purchases as long as it is the exact same model.

**c. For Urgent Sole Source Requirements:**

- (1) Provide both the Urgency and Sole Source information requested above.

5. **MARKET SURVEY.** A market survey is simply finding out which companies can provide what you're looking for, whether by searching for sources over the internet, reviewing product literature, or contacting sources over the phone.
- a. Describe any market survey conducted. Include companies contacted and the information they provided that confirmed the urgent/sole source requirement.
  - b. If sole source is based on proprietary data, a statement to that effect is all that is required in response to this block.

**In our market research we have evaluated these 1/2" stud capable stud welding systems: ProWeld Arc 800, Northland Fastening Systems IT 1002, Burco Stud Welding model 802, and Image Stud Welding ISW 1000 and our market research determined that Nelson Stud Welding 800i inverter stud welding system is still the only manufacturer that offers the maintenance service, equipment performance, compatibility, ergonomic benefits and superior safety characteristics as our existing extensive Nelson Stud Welding system, accessories, and consumables.**

6. **ADDITIONAL FACTS.** This applies primarily to sole source requirements, but any additional information supporting urgency not previously addressed elsewhere in the document can be included in this section.
- a. State the cost to the government to develop competitive and/or performance based specifications for the proprietary item. Include estimated labor categories and estimated labor hours spent in reverse engineering and time spent in generating and approving the drawings and/or specifications.
  - b. If it is impossible for the government to develop competitive and/or performance based specifications, state that and indicate why.

**The government does not manufacture welding power sources.**

7. **FUTURE COMPETITION.** Provide information on the steps you are taking to insure that the next time you need the item, it will not be an urgent or sole source procurement.

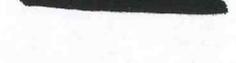
**We have addressed our possible future requirements with the other Stud Welder welding equipment manufacturers at welding equipment shows and during market research. To date, no other manufacturers have produced a stud welding system for 1/2" studs superior to the Nelson 800i system.**

8. **INFORMATION TECHNOLOGY (IT) APPROVALS.** This only applies to procurements for IT equipment (i.e. computers, printers, modems, etc.) The contract specialist will assist in identifying the documentation requirements.
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**CERTIFICATIONS**

**TECHNICAL / REQUIREMENTS CERTIFICATION**

I certify that the facts and representations under my cognizance which are included in this justification and its supporting acquisition planning documents, except as noted herein, are complete and accurate to the best of my knowledge and belief.

<b>Technical Cognizance</b>	
Name (Printed)  S/26 PLANNER	Phone 360-476-2528
Signature 	Date 3/26/2012
<b>Requirements Cognizance</b>	
Name (Printed) 	Phone 360-535-2988
Signature 	Date 3/26/2012

(Note that this page includes certification that the acquisition planning documents are complete and accurate.)

(If a single individual has cognizance over both technical and requirements information included in this Justification the individual may sign both signature blocks.)

<b>REQUIRING ACTIVITY COMPETITION ADVOCATE</b> (Review required if such an individual has been assigned by the requiring activity.)	
Name (Printed)  C/244.5	Phone 360-476-9359
Signature 	Date 