

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN F. KENNEDY SPACE CENTER, FLORIDA

JUSTIFICATION FOR OTHER THAN FULL AND OPEN COMPETITION
(BRAND NAME DETERMINATION)

**Safety and Reliability Upgrade, KSC Institutional Power Systems, Phase I of 4
PCN 98966.1**

ESTIMATED VALUE OF SEL 3530 COMMUNICATION PROCESSOR: \$4,750 Per Assembly
ESTIMATED VALUE OF SEL 751 RELAY: \$1,550 Per Assembly
ESTIMATED VALUE OF SEL 501 RELAY: \$2,600 Per Assembly
ESTIMATED VALUE OF SEL RELAY MANAGEMENT SOFTWARE: \$88,000 Per Assembly
ESTIMATED VALUE OF SEL 2523 ANNUNCIATOR: \$4,150 Per Assembly
ESTIMATED VALUE OF SEL VOLTAGE CARD: \$395 Per Assembly
ESTIMATED TOTAL VALUE OF SINGLE MANUFACTURER ITEMS: \$170,795

- 1.) Based on the justification provided herein, I recommend that an acquisition be made by other than full and open competition for the contract action described below.
- 2.) This contract action is for the acquisition of electrical medium voltage system protection, control and communication equipment manufactured by Schweitzer Engineering Laboratories (SEL) to be installed in conjunction with the Safety and Reliability Upgrade, KSC Institutional Power Systems, Phase 1 of 4 PCN 98966.1. Proprietary equipment required for base bid and contract options for the project are as follow:

SEL 3530 Communication Processors (8)
SEL 751 Relays (9)
SEL 501 Relay (1)
SEL Relay Management System Software Upgrade (1)
SEL 2523 Annunciator (1)
Voltage cards for SEL-751A relay (61)

The total value of the single manufacturer items is approximately \$170,795.

- 3.) Contracting without full and open competition is permitted pursuant to 10 U.S.C. 2304 (c) (1) because the equipment required by KSC is available from only one responsible manufacturer and no other manufacturer's equipment will fully satisfy KSC's requirements.
- 4.) There is a reasonable basis to conclude that KSC's requirements can only be satisfied by the proprietary equipment available from Schweitzer Engineering

Laboratories (SEL). This single manufacturer requirement is based on software/hardware compatibility issues, communications protocols, and on the training investment previously made by the government on the SEL equipment as described below:

- a. The unique combination of SEL Intelligent Electronic Devices (IEDs) and their associated Communications Processors are the only devices capable of full compatibility with the Relay Management System being installed at KSC. The Relay Management System Software combination is manufactured by Schweitzer Engineering Laboratories and is the engineering software used to perform system protection monitoring, IED configuration, event data collection and oscillographic analysis. This software exists in client/server form and is tailored only for the SEL line of products. To optimize the full capabilities of the SEL system, other manufacturer's products cannot be used.
 - b. The SEL software allows KSC personnel to access proprietary device functions such as relay settings, communication configuration, data logging, event waveform capture, oscillographic analysis, and automatic event notification and data collection. No other off-the shelf software package allows for this level of access. The use of other manufacturer's products will drive KSC to develop, at substantial cost to the government, a new server software structure around that manufacturer's product line, creating unacceptable delays in fulfilling the agency's requirements.
 - c. The Government has a significant investment in existing SEL equipment. Currently there are 206 devices all networked together and monitored by KSC's KCCS monitoring and control system. Devices to be installed on this project are on some of KSC's most important power circuits that require continuous monitoring, and use of equipment not compatible with SEL would result in significant additional costs to the Government to design, implement, and test a new and redundant protective relay network.
 - d. Purchase of the SEL items will not require additional government costs associated with training. The government has on-site personnel already trained and capable of installing, operating, and maintaining the SEL equipment.
- 5.) Efforts are being made to ensure that qualified offerors are solicited from as many potential sources as possible. NAICS Code 237130, Power and Communication Line and Related Structures Construction, is applicable to this acquisition. Accordingly, the acquisition of the Safety and Reliability Upgrade KSC Institutional Power Systems Phase 1 of 4 will be competed via full and open competition. The project specifications used to require the SEL equipment are written to fully explain the government's requirements regarding system

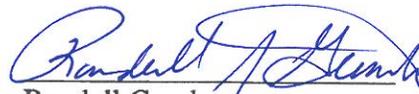
protection relays, communications devices and the relay management system. Additionally, this brand name determination will be posted with the solicitation on the Federal Business Opportunities website at www.fbo.gov.

- 6.) I hereby determine that the anticipated price of the prime contract, including the SEL equipment will be fair and reasonable. This determination is based on the belief that the competitive nature of the overall procurement will entice bidding prime contractors to seek the most advantageous pricing from SEL authorized distributors and supply houses.

- 7.) Future actions to remove barriers to competition will include continued efforts to reach out to other manufacturers for compatible SEL equipment in order to reduce the amount of equipment that must be procured on a single manufacture basis.

Pursuant to FAR 6.303-2(b), I hereby certify that the supporting data furnished in support of contracting by other than full and open competition, under 10 U.S.C. 2304(c) (1), with Schweitzer Engineering Laboratories (SEL) for the purchase of electrical medium voltage system protection, control and communication equipment including its network interface equipment and management software is complete and accurate to the best of my knowledge and belief.


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Randall Gumke
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