MEMORANDUM TO THE FILE FOR
AMS PID: N00164-26-SIMACQ-CR-LXL-0353

Subject: DECISION TO RESTRICT COMPETITION FOR COMMERCIAL ACQUISITION UNDER THE SIMPLIFIED ACQUISITION THRESHOLD (SAT)

IDENTIFICATION OF SOURCE -
Vendor Name: MPD Components, Inc
Vendor City/State: Owensboro, Ky
CAGE Code: 33173

Total Dollar Value: $ 270,810.00

RFO FAR 12.102(a) authorizes the use of restricting competition for acquisitions of commercial products and commercial services not exceeding the SAT when the Contracting Officer determines that only one source is reasonably available due to circumstances such as urgency, exclusive licensing, brand-name requirements, or industrial mobilization.

In accordance with RFO FAR 12.102(a), this memorandum documents the absence of competition for this commercial acquisition. Only one source will be solicited for this requirement (or a portion thereof), and the total value is not expected to exceed the SAT.

I. DESCRIPTION OF ITEM OR SERVICE:

Provide a description of the item or service required, to include its intended use, the name of the required source or brand name, and the required delivery date/period of performance.

This procurement is for the Brand Name purchase of an initial quantity of Two (2) Trigger Spark Gaps, part number ZR7512 SPRK GAP, TRIG VAC, 45 KV with additional options over the next four years to purchase an additional quantity of eight (8) Trigger Spark Gaps. Delivery lead time is approximately 22 weeks ARO

II. THE DETERMINATION FOR USE OF RESTRICTING COMPETITION IS BASED ON THE FOLLOWING: <*Select applicable sole-source rationale category*>

ONLY ONE RESPONSIBLE SOURCE (select all that apply):

☐ RESTRICTIVE RIGHTS. The source has established proprietary rights, limited rights in data, patent rights, copyrights or secret processes in the item or service required.

☐ EXCLUSIVE LICENSING AGREEMENTS. The item or service is only available from the Original Equipment Manufacturer (OEM), or there is only one authorized distributor or technical representative for the OEM.

☐ OTHER REASONS. Other reasons not identified above. Provide details on mission impact if requirement is not solicited from only one source.

☑ **BRAND NAME**. Item required must be a brand name product, or feature of a product, particular to one manufacturer.

MPD Components, Inc. of Owensboro, Kentucky, Cage Code 33173, is the Original Equipment Manufacturer (OEM) of the ZR7512 Triggered Spark Gap. This OEM is not equipped to sell directly to the Federal Government and has various third party distributors.

The ZR7512 Triggered Spark Gap is a mission critical safety and operational component that provides essential high-voltage and high-current protection for the Aegis Simplified Driver (SDR), the SPS 49 Radar Klystron microwave tube, associated testing infrastructure, and operating personnel. As a highly specialized sub-component integrated into a complex overarching assembly, the ZR7512 is uniquely engineered to meet the system's exact form, fit, and function requirements. Extensive market and engineering analysis confirms that no other triggered spark gap possesses the necessary specifications to seamlessly integrate into the current architecture. Attempting to procure and integrate a substitute component is both technically and financially prohibitive; it would necessitate a major, highly costly engineering redesign of the larger assembly and introduce unacceptable risks to the production schedule, quality, and reliability of future Microwave Tube (MWT) manufacturing. Consequently, procuring the OEM's part number ZR7512 is essential to ensure operator safety, maintain critical radar system readiness, and avoid severe production delays and excessive redesign costs.

UNUSUAL AND COMPELLING URGENCY. The supplies or services are of such unusual and compelling urgency that the Government would be seriously injured unless the agency is permitted to limit the number of sources from which it solicits, bids, or proposals. Urgent requirements are supplies or services that will result in a work stoppage or are mission critical, and the routine processing time would result in injury to the Government. The determination that the procurement for the above product/service requires unusual and compelling urgency is based on the following:

1. Date on which the requirement was first identified:

2. Required delivery date/period of performance:

3. Explanation of why delivery/commencement of services by the date mentioned above is required:

4. If appropriate, include any additional pertinent information.

III. CERTIFICATION/APPROVALS:

Technical/Requirements Certifications: I certify that the facts and representation under my cognizance which are included in this justification are complete and accurate to the best of my knowledge and belief.

[redacted]

Certification/Approval

I, as the Contracting Officer, based on the certification above, have determined that only one source is reasonably available for this procurement, precluding competition in accordance with RFO FAR 12.102(a) and RFO DFARS 212. An acquisition limiting competition is therefore justified.

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Date: 2026.06.18 08:29:21 -04'00'

Signature | Title, Organization Code, Phone No. | Date