Pre-Solicitation Notice IAW RFO 5.101(a)
Reentry Vehicle Integration Support

(1) Point of Contact.

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(2) No set-asides.

(3) PSC: AC24; NAICS: 541330.

(4) Description.

i. The objective of this effort is for the Contractor to provide Reentry Vehicle Integration Support (RVIS) to the Government resulting in a successful integration of the Mk21 Reentry Vehicle (RV) and W87-0 onto the new Sentinel Weapon System (WS). The term "legacy RV" includes integrating Fuze Mod and existing legacy RV subsystems. This will require collaboration with the Government, Design Agent (Northrop Grumman), the National Nuclear Security Administration (NNSA), and others to ensure integration with the Aerospace Vehicle Equipment (AVE.)

This will also require the contractor to provide support for the new Sandia National Laboratory (SNL) produced Fuze Mod Tester and the existing legacy fuze System Test Console (STC). Areas relating to Original Equipment Manufacturer (OEM) support of the legacy RV include repair, test and assessment, engineering, modeling, data analysis, integration and qualification on the Sentinel weapon system (WS). Areas of support for the Fuze Mod Tester and STC include repair, engineering, systems and equipment modification, software, developmental engineering, production engineering and procurement.

The Sentinel WS is an integrated WS replacing the Minuteman III (MMIII) WS and is defined as comprising four (4) major sections: Air Vehicle Equipment (AVE), Weapon System Command and Control (WSC2), Launch Systems, and Training. The AVE is an integrated missile stack with four major sub-systems: propulsion, post-boost, guidance, and Payload Re-entry System (PRS). The Mk21 is a component of the PRS portion of the Sentinel AVE. TheMk21 RV and W87-0 are currently deployed on MMIII and currently on alert at the Missile Wings.

The Government intends to award this effort under the authority 10 U.S.C. 3204(a)(1) as implemented by RFO 6.103-1(c)(2), *Only one responsible source and no other supplies or services will satisfy agency requirements.*

ii. This pre-solicitation notice satisfies the requirement in RFO 5.101. A quote will be solicited directly from Lockheed Martin Space Systems Company (LMSSC). The anticipated date of award in December 2026

iii. This requirement is not subject to the World Trade Organization Government Procurement Agreement (WTO GPA) and/or a Free Trade Agreement (FTA).

iv. Technical data required to respond will not be provided. For prospective business opportunities as a result of this pre-solicitation, please contact LMSSC.

v. This is not a construction requirement.

vi. This is a sole source requirement IAW RFO 6.103(c)(2) as LMSSC is the only vendor that possesses the requisite capabilities, intellectual property, software, support equipment, and specialized infrastructure. For more information, our required J&A will be posted no later than 14 days after contract award.

vii. No product or service qualification requirement for this effort.