

JUSTIFICATION AND APPROVAL
FOR OTHER THAN FULL AND OPEN COMPETITION

1. Contracting Activity: Department of Veterans Affairs
Office of Acquisition and Logistics
Technology Acquisition Center (TAC)
260 Industrial Way West
Eatontown, NJ 07724
2. Description of Action: The proposed sole source action is for a firm-fixed-price (FFP) contract for network address translation (NAT) 64 services with Hurricane Electric (HE) company, 730 Mission Court, Fremont, California 94539. The period of performance of this contract is one (1) year plus four (4) one (1) year options.
3. Description of Supplies or Services: The proposed action is to provide the Department of Veterans Affairs (VA) with NAT64 service connection. Available existing internet protocol (IP) IPv4 based addresses are depleting and need to be replaced with IPv6. The old IPv4 addresses contained 32 bits and can no longer handle worldwide demand while IPv6 addresses contain 128 bits and are now considered to be the standard. VA requires NAT64 service connections to provide one to one translation of IP addresses from IPv4 Internet to IPv6 Internet and vice versa. The contractor will provide IPv6 network and business class commercial IPv6 services and native IPv6 connectivity for both direct connection and collocation. The Contractor shall provide Network Translation 64 (NAT64) service allowing packets from IPv6 Internet to be sent to IPv4 VA Network and vice versa. The Contractor will also provide Domain Name System (DNS) 64 services, if required. The Contractor shall provide TIER 1 Global Technical Service Provider (TSP) services with maximum ability to connect to multiple exchange points, offering multiple fully redundant self-healing fiber running Ethernet 10,000 Megabits per second and synchronous optical networking Optical carrier 192 (9.6 Gigabits per second (Gbps) connections. The Contractor shall provide VA with a network offering IPv6 direct peering with a large number of national and international internet backbones with fast and reliable connectivity over the shortest possible routes. The total estimated price of the proposed action is [REDACTED] for the first year and all options.
4. Statutory Authority: The statutory authority permitting other than full and open competition is 41 U.S.C.253(c)(1) as implemented by the Federal Acquisition Regulation (FAR) Subpart 6.302-1 entitled, "Only One Responsible Source and No Other Supplies or Services Will Satisfy Agency Requirements."
5. Rationale Supporting Use of Authority Cited Above: Based on extensive market research, as described in Paragraph 8 below, similar services will not surface. Hurricane Electric offers IPv4 to IPv6 network translation services over the same connection at speeds up to 10 Gbps and greater. Employing a resilient fiber-optic topology, HE provides global access, peering with all the major IPv6 networks. Other competitors don't offer the same capability as HE. No other service providers offer NAT64 translation services on a global level that do not require any configuration changes on

the VA network. Starting at the customer access level, VA would not be able to allow its internet service provider (ISP) platform to offer an IPv6 service immediately without a major upgrade to its network infrastructure and without impacting its existing IPv4 services. Without this service the VA ISP platform would not be able to evaluate IPv6 products and assess demand for these services before deploying IPv6 throughout its network infrastructure. Therefore, to provide access to global IPv6 networks in a timely manner, with no impact to the current configurations on the VA network, the NAT64 service provided by HE is required.

6. Efforts to Obtain Competition: Market research was conducted, details of which are in the market research section of this document. This effort did not yield any additional sources that can meet the Government's requirements. Additionally, the proposed action will be synopsized on the the Federal Business Opportunities Page in accordance with FAR 5.201. Any proposals that are received shall be evaluated.

7. Actions to Increase Competition: In order to remove or overcome barriers to competition in future acquisitions for this requirement, the Government will continue to conduct market research to ascertain if there are changes in the market place that would enable future actions to be competed.

8. Market Research:

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

9. Other Facts: [REDACTED]

10. Technical and Requirements Certification: I certify that the supporting data under my cognizance, which are included in this justification, are accurate and complete to the best of my knowledge and belief.

[REDACTED]

[REDACTED]

11. Fair and Reasonable Cost Determination: I hereby determine that the anticipated price to the Government for this contract action will be fair and reasonable based on price analysis and comparison with the Independent Government Cost Estimate.

[REDACTED]

[REDACTED]

12. Procuring Contracting Officer Certification: I certify that this justification is accurate and complete to the best of my knowledge and belief. As this contract contract action does not exceed \$650,000, the certification below required by FAR 6.303-2(b)(12) serves as approval.

[REDACTED]

[REDACTED]