



20-016 – Solid State Power Amplifier Technology for Space Payload Applications

	Information we need from your organization
Title	Solid State Power Amplifier Technology for Space Payload Applications
Description	<p>General Dynamics Mission Systems is interested in assessing your company’s ability and desire to source solid state power amplifier (SSPA) technology for space payload applications. In some cases, General Dynamics has specific application requirements to replace obsolete technology, and in other cases we are forecasting future requirements for payloads with less certain specifications. However, we have chosen three near-term specific SSPA applications and are requesting information about your company’s capability to provide solutions.</p> <p>For initial development, the subject SSPAs will be required in small quantities with reliability life spans ranging from one to five years. For purposes of planning and cost estimating, assume that an initial lot of ten or fewer units of each SSPA will be required, including one or two engineering units, one qualification unit and several flight units for each SSPA. Initial contractual activities would include engineering development and other non-recurring activities with delivery of engineering units. Follow-on activities would include delivery of qualified flight units.</p> <p>If we choose to source technology from your company, three possible business models are being considered. The possibilities include, but are not limited to:</p> <ul style="list-style-type: none"> • General Dynamics contracting with you to take an existing design or module through necessary modifications and manufacture for space qualification • General Dynamics purchasing a space-qualified commercial off-the-shelf (COTS) module from you for use with minimal modification • General Dynamics purchasing from you a design or intellectual property (IP) necessary for General Dynamics to modify and manufacture for space qualification <p>If interested for consideration, please forward a corporate capability brief and/or product brochure to techscout@gd-ms.com. Selected companies will execute an NDA with General Dynamics and receive detailed requirements and specifications.</p>
Keyword(s)	Solid State Power Amplifier, SSPA, space, payload
Response Instructions & Date	<p>Responses will be accepted thru 6/12/2020</p> <p>General Dynamics Mission Systems Innovation Sourcing Network (ISN)[™] is seeking respondents to the following TechScout request. This TechScout request does not contain U.S. export controlled technical data or proprietary information, and is approved by General Dynamics Mission Systems for public release and is in the public domain.</p> <p><u>Send email response including a corporate capability brief and/or product brochure to techscout@gd-ms.com</u></p> <p>TechScout responses should not contain any export controlled technical data or proprietary information.</p> <p><i>In your response, please identify whether you or your company are located outside the U.S. If located outside the U.S., please identify any home country export controls that will apply to your response. If located in the U.S., please identify whether your company employs non-U.S. manufacturing or design facilities, or foreign nationals in your response.</i></p> <p>Any subsequent interaction between General Dynamics Mission Systems and a non-U.S. based TechScout respondent, or a U.S. based TechScout Respondent with non-U.S. manufacturing, design or foreign national employees must be reviewed and approved in advance for U.S. Export Compliance requirements by the General Dynamics Mission Systems Office of Import/Export Compliance prior to any such interaction.</p> <p>General Dynamics Mission Systems will not be responsible for, nor will it pay for any expense which may be incurred by the supplier in preparation of its TechScout response. Supplier acknowledges and agrees that this TechScout request does not commit General Dynamics Mission Systems to any course of action, including but not limited to, any purchase of supplier’s products or services or any future involvement with supplier. The issuance of this request does not bind</p>

	<p>General Dynamics Mission Systems to accept or review any response, in whole or in part. Subsequent pursuit or action on the part of General Dynamics Mission Systems or the TechScout respondent may require the respondent to comply with aspects of the U.S. International Traffic in Arms Regulations (ITAR) or the U.S. Export Administration Regulations (EAR) including a need to register, or apply for or execute licenses or other authorizations.</p> <p>Firms or individuals from countries subject to U.S. sanctions are not eligible to participate in this TechScout request. (U.S. Sanctions information may be found at: https://www.treasury.gov/resourcecenter/sanctions/Programs/Pages/Programs.aspx). These sanctions apply comprehensively to Iran, Syria, Sudan, Cuba, and North Korea. In addition, Firms or individuals that appear on the U.S. Government's Consolidated Screening List (available at http://export.gov/ecr/eg_main_023148.asp) are not eligible to participate in this TechScout request."</p>
Questions	<p>Email the Innovation Sourcing Network with any questions or required clarification at techscout@gd-ms.com.</p>