Members:

C5 is pleased to announce a Request for White Papers - C5-18-RWP-1001 – *Multi-Function Electronic Warfare Air Large (MFEW-AL) System Prototyping*, to meet the *C4ISR Capability* Technology Objective.

The attached RWP contains information regarding the Government requirement, as well as the requirements, format and submittal instructions for the White Paper. Please note the process for this White Paper submittal is unlike any other C5 RWP. It is a two-part process to accommodate the distribution of classified documents to complete development of White Papers in Part 2. Please read and adhere to the instructions contained therein. If/as C5 receives additional information regarding the requirement or the process, C5 will advise members immediately.

Upon receipt of your White Paper, C5’s Contracts Management team will perform a detailed compliance review and will contact you to request additional information as necessary for C5 to complete the review/assessment. Upon completion, C5 will submit your White Paper to the Government. You will be notified by C5 upon receipt of the Government’s selection decision. Please note that selection of a White Paper to form the basis of a Request for Project Proposal (RPP) is at the sole discretion of the Government.

All White Paper submittals for this RWP must be received by C5 by **4:00 Eastern, April 27, 2018**, in order to meet the Government's deadline of May 4, 2018.
Important to note: Pursuant to the terms of its OTA, the Government requires that C5 conduct a thorough review of each White Paper submitted to ensure full compliance with both the requirements in the RWP and applicable statutes. C5 therefore requires members to submit their White Papers by the C5 deadline shown above to allow sufficient time to complete the necessary reviews for submittal by C5 to meet the Government’s deadline.

Please submit White Papers via e-mail to RWP@C5technologies.org with "C5-18-RWP-1001" in the subject line. If you do not receive written confirmation of receipt shortly after your timely White Paper submittal, please call the Contracts Management team at (540) 937-6300.

C5’s Contracts team is available to answer questions related to White Papers and to assist throughout the process – please email or call Amanda or Kristine at (540) 937-6300. Any other questions should be directed to C5.

Thank you for your participation.
Members:

Please be advised that a revised RWP for C5-18-RWP-1001, Multi-Function Electronic Warfare Air Large (MFEW-AL) System Prototyping, was issued to the membership on April 17, 2018. As a follow-up, C5 provides the following procedural clarifications regarding the submittals of Parts 1 and 2 of the White Paper:

Submittal of Part 1
Unclassified Part 1 responses should be marked accordingly by members (assuming proprietary), and should be sent to C5 per the instructions contained in the RWP, as directed by the Government. Note: Distribution D-marked information sent to members is controlled information, not classified, and therefore submittal of Part 1 of the White Papers to C5 through AMRDEC SAFE website is not required.

Submittal of Part 2
The due date for delivery of the classified Part 2 responses to the Government (APG) is May 8, 2018. In addition to the hard-copy and digital submittal instructions provided in the RWP, members may overnight submittals via U.S. Mail on May 7, 2018. Part 2 submittals also may be hand-carried to the Government on May 8, 2018, between 9am and 3pm, to the POC, Mr. Gary Clerie only. Please note that Part 2 only may be submitted by members to the Government upon a) a timely submittal of Part 1 to C5, and b) C5's subsequent submittal of Part 1 to the Government.

Due date for Part 1 (Unclassified) of the White Paper is May 1, 2018, to C5.

Due date for Part 2 (Classified) of the White Paper is May 8, 2018, to the Government (APG).

Further questions may be directed to C5. Thank you for your participation.
The Government has extended the due date(s) for the submittal of White Papers in response to C5-18-RWP-1001, Multi-Function Electronic Warfare Air Large (MFEW-AL) System Prototyping. As a result, the following are the new due dates for submittal of Parts 1 and 2 of the referenced White Paper:

Part 1 (Unclassified) of the White Paper is due to C5 on May 8, 2018, by 4:00 Eastern.
*Note: This part will undergo the usual compliance review with C5's Contracts Management team.

Part 2 (Classified) of the White Paper is due to the Government (APG) on May 15, 2018.
*Follow the submittal instructions provided in the revised RWP sent on 4/17/2018, and Follow-up #2 sent on 4/19/2018. Further to the Follow-up #2 notice, hand-carried Classified submittals are permitted between 9am and 3pm with a POC of Mr. Gary Clerie or Ms. Alison Powell. Submittals by all other means must be received by COB, May 15, 2018.

Thank you.
Members:

As a follow-up to the Request for White Papers (RWP) for C5-18-RWP-1001 - Multi-Function Electronic Warfare Air Large (MFEW-AL) System Prototyping, C5 has been advised that the Government will use outside advisors for this requirement. The advisors to be used in the evaluation of the White Papers are Tecolote Research, Inc. and The MITRE Corporation.

The Government also will use outside advisors for the evaluation of the related proposals. These advisors will be announced upon issuance of the Government's requests for a full project proposal. In both cases, the Non-Government advisers will have non-disclosure agreements (NDA) in place with the Government, and the selected members will have an opportunity to sign a specific NDA with the non-Government advisors prior to proposal submittal. Adviser companies are prohibited from responding to this RWP, either individually or as members of a team, and from participating in any way in the prototype project related to this RWP.

Additionally, the due date for submittal of Part 1 (unclassified) of the White Paper to C5 is hereby extended to 10:00 AM Eastern on Friday, May 11, 2018. Please note that C5's usual review process will occur on Part 1 only; therefore, respondents are advised that this process will take place over the ensuing weekend in order to meet the Government's May 15, 2018, deadline. Please prepare to be available during this time to meet the very tight deadlines necessary to complete this process. Early submittals are encouraged.

As always, thank you and contact us with questions.
Members:

As further follow-up to the Request for White Papers (RWP) for C5-18-RWP-1001 - Multi-Function Electronic Warfare Air Large (MFEW-AL) System Prototyping, the Government has revised the Statement of Need (SON) to clarify the details required to be included in the White Paper regarding Phase II. The amended language is included in the discussion of Phase II on Page 2 of the SON. Attached is an updated RWP.

Also, the Government has clarified that the instructions provided in Security Handling & Disposition Requirements for Classified and Controlled Unclassified Government Furnished Information (GFI), Version 2.0, Section 5 applies only to the Classified submittal (Part 2) of the White Paper.

As a reminder, the due date for submittal of Part 1 (unclassified) of the White Paper to C5 is 10 AM Eastern on Friday, May 11, 2018. The due date for submittal of Part 2 (classified) of the White Paper to the Government is May 15, 2018. Please follow the instructions provided in the RWP and as supplemented by the follow-up notices.

Please contact us with questions.
**REQUEST FOR WHITE PAPERS (RWP)**

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<thead>
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<th>RWP Number</th>
<th>C5-18-RWP-1001</th>
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<td>RWP Title:</td>
<td>Multi-Function Electronic Warfare Air Large (MFEW-AL) System Prototyping</td>
</tr>
<tr>
<td>Issued by</td>
<td>Consortium for Command, Control and Communications in Cyberspace (C5) 1025 Connecticut Avenue, NW, Suite 904 Washington, DC 20036 (202) 466-4211 <a href="http://www.c5technologies.org">www.c5technologies.org</a></td>
</tr>
<tr>
<td>White Papers Due</td>
<td>Part 1 to C5 - May 11, 2018, by 10 AM Eastern</td>
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<tr>
<td>Date/Time</td>
<td>Part 2 to the Government – May 15, 2018</td>
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<tr>
<td>Submit White Papers To</td>
<td><a href="mailto:RWP@C5technologies.org">RWP@C5technologies.org</a></td>
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**Notes:**

1. This RWP necessitates a two-part submittal process to address UNCLASSIFIED vs. CLASSIFIED requirements.

2. Please advise C5 as soon as possible via email to RWP@C5technologies.org if your organization intends to submit a White Paper to C5 in response to this RWP.
Statement of Need

Title: Multi-Function Electronic Warfare Air Large (MFEW-AL) System Prototyping

RWP Number: C5-18-RWP-1001

Technology Objective: C4ISR Capability

Anticipated Security Classification: TS/SCI

Government Funding Profile: $70M - $90M* (This includes both Phase 1 and Phase 2 per project award.)

*Each awardee, if awarded both Phase 1 and 2, would be funded ~$70-90M.

Estimated Period of Performance: Phase 1 - 18-month base; Phase 2 - 18-month option

Basis of Selection:

The Basis of Selection for this effort, C5-18-1001, will use the process described below. It is the Government's intention to negotiate, select and fund Prototype Project(s) based on the White Paper evaluations. The White Paper evaluations will be conducted in accordance with the standard evaluation criteria contained herein.

Based upon the evaluation of the White Papers, the Government intends to award up to two (2) Prototype Project(s) for which Awardees will execute Phase 1. At the end of Phase 1, a subsequent down-select may occur, resulting in one Awardee to execute Phase 2.

Description of Requirement:

The Army has an operational capability gap to provide Airborne Electronic Attack / Electronic Warfare Support (EA/ES) for ground forces. The contractor shall analyze the system requirements and Concept of Operations (CONOPS)** – (see note below about obtaining this document) -- for the MFEW-AL system, and will design, develop, and deliver an EA/ES mission pod prototype to the Size, Weight, and Power (SWAP) and cooling limitations of the Gray Eagle Unmanned Aircraft System (UAS).

The MFEW-AL system prototyping effort will include: 1) The development of an airborne, wing mounted, Airborne Electronic Attack (AEA) payload; and 2) A ground Command and Control Workstation for operating the MFEW-AL payload. The MFEW-AL payload will be designed to search, identify, and locate enemy transmissions and generate and broadcast attack waveforms at specific frequencies, parameters, and timing designed to jam and/or affect enemy transmitters/receivers. Targets shall include Advanced and Legacy Commercial and Military Communication Devices, as well as Advanced and Legacy Non-Communication Devices. This effort will be divided into two phases:
Phase 1: Build one (1) system to demonstrate selected EA and ES capabilities against enemy communications and non-communications emitters on surrogate aircraft in 18-months at a Government test facility. In performance of Phase 1, the effort will require the contractor(s) to design and build one (1) MFEW-AL prototype payload and demonstrate selected performance requirements. The Phase 1 Statement of Work (SOW) and Performance Based Specification (PBS) detail the efforts and capabilities to be demonstrated. The Phase 1 demonstration will provide measurable data to illuminate system capabilities of the proposed design to search, identify, and locate enemy transmissions, and generate and broadcast attack waveforms at specific frequencies, parameters, and timing designed to jam and/or effect enemy transmitters and/or receivers at the specified standoff distances.

Phase 2: Build up to four (4) systems for testing, qualification, and verification of performance requirements to support integration onto a Gray Eagle UAS in 18 months.

Phase 2 of work will be executed at the end of Phase 1. The Phase 2 SOW and Performance Based Specification (PBS) detail the efforts and capabilities to be developed, tested, and certified during Phase 2. Phase 2 will require the contractor to design and build four (4) MFEW-AL systems that meet, at a minimum, the threshold requirements stated in the SOW and PBS. The Phase 2 effort also will include full airworthiness and qualification testing, Gray Eagle Integration, Logistics Support Package documentation, Program Protection Plan, and System Safety Assessment to include System Safety and Health Data documentation. At the completion of Phase 2, the MFEW-AL system can be installed onto the Army’s Gray Eagle Unmanned Aircraft System (UAS).

White Paper responses shall include specific details for the execution of Phase I activities, details for execution of Phase II activities to include the proposed design to meet the PBS, a Phase I Rough Order of Magnitude (ROM) cost estimate and a Phase II ROM cost estimate based upon the high-level objectives outlined in this document. White Papers will be evaluated in accordance with the standard RWP Instructions.

White Paper submittals shall present a phased approach that appropriately aligns with the proposed solution. The estimated ROM shall be broken out by phase, as the Government initially may incrementally fund only a portion of Phase 1 or the entire Phase, or it may choose to fund the entire effort. The solution shall be inclusive of all labor, travel, hardware, software, technical documentation and testing required to demonstrate functionality.

Detailed requirements are defined in the following documents:

- “DRAFT” Multi-Function Electronic Warfare - Air Large System Performance Based Specification, UNCLASS, DISTRIBUTION STATEMENT D, dated 6 April 2018
- Multi-Function Electronic Warfare - Air Large System Performance Based Specification, CLASSIFIED Annex, UNCLASS, DISTRIBUTION STATEMENT D, dated 6 April 2018
• “DRAFT” Multi-Function Electronic Warfare - Air Large System Statement of Work, Phase 1, UNCLASS, DISTRIBUTION STATEMENT D, dated 6 April 2018

• “DRAFT” Multi-Function Electronic Warfare - Air Large System Statement of Work, Phase 2, dated UNCLASS, DISTRIBUTION STATEMENT D, 6 April 2018

Instructions for requesting CLASSIFIED and UNCLASSIFIED-Distribution D documents are provided in the “White Paper Format” Section of the RWP Instructions.

Further Clarifications/Notifications provided by the Government:

CONOPS Document
**The CONOPS document is an unclassified FOUO document. Therefore, the Government will send this document via SAFE file exchange to those members who previously elected to request the Classified portion of documentation. If your organization did not previously request the Classified documentation associated with this requirement but would like a copy of the FOUO CONOPS document, please forward confirmation of your CAGE code to C5, and arrangements will be made to have the CONOPS document forwarded to you promptly.

Security Document Clarification
The instructions provided in Security Handling & Disposition Requirements for Classified and Controlled Unclassified Government Furnished Information (GFI), Version 2.0, Section 5 applies only to the Classified submittal (Part 2) of the White Paper.

Use of Outside Advisors
The Government will use outside advisors for this requirement. The advisors to be used in the evaluation of the White Papers are Tecolote Research, Inc. and The MITRE Corporation.

The Government also will use outside advisors for the evaluation of the related proposals. These advisors will be announced upon issuance of the Government's requests for a full project proposal. In both cases, the Non-Government advisers will have non-disclosure agreements (NDA) in place with the Government, and the selected members will have an opportunity to sign a specific NDA with the non-Government advisors prior to proposal submittal. Adviser companies are prohibited from responding to this RWP, either individually or as members of a team, and from participating in any way in the prototype project related to this RWP.
WHITE PAPER INSTRUCTIONS

Overview

An RWP is issued by C5 to solicit White Papers from consortium members that detail their proposed technology solutions to address the challenges outlined in the corresponding Government Statement of Need.

C5 members can submit White Papers individually, or collaborate via a team. C5 will work with each interested member to ensure that government expectations are met and statutory compliance is maintained. Draft White Papers must be submitted to C5 for review for completeness and compliance. Upon completion of that review, the White Papers will be forwarded to the Government by C5.

C5 members solely are responsible for all expenses associated with responding to this RWP. White Papers shall conform to the White Paper Template and adhere to the formatting instructions.

Non-traditional Defense Contractor Participation or Cost-Share Commitment

As a result of the changes to Other Transaction (OT) Authority set forth in Section 815 of the NDAA for FY16, each Prototype Project awarded under an Other Transaction Agreement (OTA) must meet at least one of the following conditions:

1. There is at least one Non-traditional Defense Contractor (NTDC) or small business participating to a significant extent in the Prototype Project, or
2. At least one-third of the total cost of the Prototype Project is to be paid out of funds provided by parties to the transaction other than the Federal Government.

What is an NTDC?

An NTDC is an entity that is not currently performing and has not performed, for at least one year preceding the issuance of a prototype project solicitation, any contract or subcontract for the DoD that is subject to full coverage under the FAR-based Cost Accounting Standards (“CAS”). Full CAS coverage is required typically for contracts greater than $50 million. Firm-fixed price contracts and contracts with small businesses are exempt from all CAS requirements regardless of dollar value.

How Does an Entity Determine if it is an NTDC?

A review of an entity’s DoD cost-plus contracts and subcontracts on which it has performed during the previous year will aid in determining NTDC status. If none of the contracts or subcontracts was subject to full CAS coverage, then the entity is an NTDC. OTA awards do not impact NTDC status, as CAS does not apply to OTAs.
Are Small Businesses Automatically Considered NTDCs?

Yes. Since contracts and subcontracts with small businesses are exempt from all CAS requirements, small businesses are deemed NTDCs under OT Authority. An entity is considered a small business based upon its applicable North American Industry Classification System (“NAICS”) designation (as described at 13 C.F.R. §121.201) for the specific nature of the work being proposed.

Can a Subsidiary or a Division of a Corporation Qualify as an NTDC?

Yes. Provided the definition of an NTDC is met, the entity can be at the prime level, team members, sub-awardees, lower-tier vendors or intra-company business units, including a subsidiary or division of a Traditional Defense Contractor.

Regarding NTDC Participation, What does “Significant” Mean?

Significant participation is determined on a project basis and is based on the importance of the NTDC contribution to the overall execution or outcome of the proposed project. OT Authority statute does not prescribe a monetary threshold or percentage value to justify significance. Examples of “significant” participation are:

- Supplying a new key technology or product, or unique capability;
- Causing a material and quantifiable reduction in the project cost or schedule;
- Causing a measurable increase in the performance of the prototype;
- Accomplishing a significant amount of the effort;
- Value-added analysis not based on percentage of project work or value.

How does a Traditional Defense Contractor Satisfy the Cost-sharing Requirement?

If the member responding to an RWP is a Traditional Defense Contractor and there is no significant participation by an NTDC in the project, the Traditional Defense Contractor is required to expend resources on the project amounting to one-third of the project cost. Cost-sharing does not involve funds paid directly to the Government. There are two types of cost-sharing:

- Cash—outlays of funds to perform under the project for labor, materials, new equipment or subcontractor effort; sources can include new IR&D funds, profit or fee from another contract, and overhead or capital equipment expense pool;
- In-Kind—reasonable value of equipment, materials or other property used in performance under the project.
The White Paper will be a two (2)-part submittal process.

- Part 1 - (UNCLASSIFIED) Part 1 will include all UNCLASSIFIED portions of the White Paper. Part 1 of the submittal will be submitted to C5 per the submittal instructions on Page 1 of this document.

  Unclassified Part 1 responses should be marked accordingly by members (assuming proprietary), and should be sent to C5 per the instructions contained in the RWP, as directed by the Government. *Note:* Distribution D-marked information sent to members is controlled information, not classified, and therefore submittal of Part 1 of the White Papers to C5 through AMRDEC SAFE website is not required.

  Part 1 will undergo the usual compliance review with C5’s Contracts team; therefore, because Part 1 of the White Paper is due to C5 on May 11, 2018, this process will take place over the ensuing weekend in order to meet the Government's May 15, 2018, deadline. Please prepare to be available during this time to meet the very tight deadlines necessary to complete this process. Early submittals are encouraged.

- Part 2 - (CLASSIFIED) Part 2 will include any and all portions of the White Paper submittal which are CLASSIFIED. **Part 2 will be submitted by C5 Members directly to the Government via Hardcopy submission, Secure Internet Protocol Router (SIPR) email, Overnight delivery or Hand delivery (see instructions below).**

The following formatting requirements apply to both Part 1 and Part 2 submissions:

- Times New Roman 10 (or larger), single-spaced, single-sided, 21.6 x 27.9 cm (8.5 by 11 inches)

- Smaller type may be used in figures and tables, but must be clearly legible

- Margins on all sides (top, bottom, left and right) should be at least 2.5 cm (1 inch)

- Page limit is a total of ten (10) pages for both Part 1 and Part 2 submissions, excluding White Paper Cover Sheet(s) and *Affirmation of Business Status Certification(s).* This means that between both Part 1 and Part 2, there should be no more than 10 pages, in any combination between the Parts.

- Shaded text in the White Paper Template indicates areas for entry of information by the member. Shading should be removed before submittal of the White Paper.

- **Classified Data, see instructions below**
Both White Paper Part 1 and Part 2 shall each include a cover sheet that includes (not counted against page count):

- Name and contact information of the FSO
- Facility CAGE code
- Technical POC
- Prototype Project title
- Primary point of contact, including name, address, phone and e-mail contact information
- Date of submission

**Classified and UNCLASSIFIED//FOR OFFICIAL USE ONLY (U//FOUO) Information:**

**All REQUESTS FOR DOCUMENTATION MUST BE MADE BY APRIL 20, 2018. Requests received after this date cannot be honored.**

**REQUESTS FOR CLASSIFIED**
Requests for classified information shall be sent from the respective Contractor's Facility Security Officer (FSO) to: Mrs. Alison Powell, alison.t.powell.civ@mail.mil (PM EW&C Security Manager), Mr. Gary Clerie Jr at gary.p.clerie2.civ@mail.mil and Ms. Ann Minniti at antonetta.minniti.civ@mail.mil. Consortium Members shall provide:

- Name, email, phone and mailing address of the FSO [REQUIRED]
- Name, email, phone and mailing address of the Technical POC [REQUIRED]
- Facility CAGE code [REQUIRED]
- Classified mailing address [REQUIRED]
- For receipt of a digital copy of the classified PBS, provide a valid Secure Internet Protocol Router (SIPR) email [OPTIONAL]

**Requests not including these items will be considered invalid.** The Government will provide specific security guidance pertaining to proper handling of classified/unclassified government furnished information (GFI). GFI will be sent as follows:

- Classified Data shall be sent to C5 Members either via hardcopy or SIPR, if a valid SIPR email is provided above.
- U//FOUO Data shall be sent to C5 Members via AMRDEC SAFE Web Site (https://safe.amrdec.army.mil/safe/Welcome.aspx).
CLASSIFIED SUBMISSION (Part 2 Only)

Classified Responses must be coordinated with your FSO. Part 2 may be submitted by either Hardcopy submission or Digital submission in accordance with the following:


The inner wrapper of the submittal shall be addressed to: U.S. Army, PM EW&C, ATTN: SFAE-IEW-EW, Gary Clerie, Bldg. 5100, 6631 Cyber Street, Aberdeen Proving Ground, MD, 21005.

Digital submission shall be sent to: Mr. Gary Clerie Jr at SIPR: gary.p.clerie2.civ@mail.smil.mil and Ms. Ann Minniti at SIPR: antonetta.minniti.civ@mail.smil.mil

In addition to hard-copy and digital submittal, members may overnight submittals via U.S. Mail on May 14, 2018.

Part 2 submittals also may be hand-carried to the Government on May 15, 2018, between 9am and 3pm, to the POCs, Mr. Gary Clerie or Ms. Alison Powell. Submittals by all other means must be received by COB, May 15, 2018.

Please note that Part 2 only may be submitted by members to the Government upon a) a timely submittal of Part 1 to C5, and b) C5’s subsequent submittal of Part 1 to the Government.

Evaluation Criteria

The Government solely will be responsible for conducting an evaluation of all eligible White Paper(s) submitted in response to this RWP. A basis of selection will be made and negotiations may be conducted with the offeror(s) following issuance of the Request for Project Proposal(s). In the event that the Government is unable to come to terms with the initial selectee(s), the Government can reevaluate the White Paper responses and make another selection. The overall evaluation will be based on an integrated assessment of the following:

- Technical merit of the proposed solution will be assessed with respect to technical advancement, clarity and soundness of the technical approach and the extent to which the Statement of Need is addressed.

- Adequacy of proposed facilities and equipment (to include capability for proper classification level as defined in the Statement of Need) to meet the requirements of the proposed technological solution.

- Evaluation of the potential impacts of the data rights assertions.

- Evaluation of significant non-traditional and/or small business participation, or proposed one-third cost share.
Affordability of proposed solution.

Basis for Selection

It is the Government's intention to negotiate, select and fund "best-value" Prototype Project(s) from the submitted White Paper(s). White Paper selection will be conducted in accordance with Government procedures and the evaluation criteria identified herein. The Government will determine whether to:

- Select the White Paper(s) or some portion of the White Paper(s);
- Request a technical exchange, if required, to select or reject White Paper(s); or
- Retain the White Paper(s) in a Government-managed library for potential future funding.

The Government’s White Paper selection decision will be formally communicated to C5 by issuance of a Request for Prototype Project (RPP) to C5 with a Government-formatted SOW. C5, in turn, will solicit a proposal from the selected member(s). The Government will perform an evaluation of the final proposal to ensure it meets the requirements of the Government-formatted SOW, and then will issue a Prototype Project Agreement (PPA) based on availability of funding to C5 for C5’s corresponding issuance of a PPA to the selected member(s).

Cost Section Requirements

The Government will be considering affordability in making its source selection decision; therefore, the White Paper shall be required to contain cost information suitable for such evaluation.

This section shall include the ROM cost and ROM narrative associated with meeting the technical requirements as described in the White Paper. This shall include at a minimum the estimated costs for Labor, Material/Equipment, Other Direct Costs and Sub-contracts.

The ROM Narrative shall include, at a minimum, details on the following cost categories for the ROM:

- **Labor Rates.** The ROM Narrative shall include the basis for which the estimated total labor hours were calculated, i.e., Generic position titles and estimated rates and hours for those individuals.
- **Material/Equipment.** Provide a list of the materials/equipment required to meet the technical approach as described in the White Paper and the estimated cost.
- **Indirect Costs.** Provide an estimate of the total indirect costs and provide data supporting how the estimate was calculated. This section should include a breakout of any estimated costs other than Labor and Material/Equipment, i.e., Overhead, G&A, etc.
Security

Information classified as “Confidential,” “Secret” or “Top Secret” shall only be submitted in accordance with Classified Data Instructions herein.

Export Control

Research findings and technology developments arising from the resulting RWP may constitute a significant enhancement to the national defense and to the economic vitality of the United States. As such, in the conduct of all work under the subsequent PPA(s), the recipient will comply strictly with the International Traffic in Arms Regulation (22 CFR 120-130), the National Industrial Security Program Operating Manual (DoD 5220.22-M) and the Department of Commerce Export Regulation (15 CFR 730-774).

Points of Contact

Questions regarding White Paper procedures should be directed to the C5 Contract Management Office, 540-937-6300, Attn: Amanda Rieman, e-mail amanda@marlinventures.com, or Kristine Blaylock, e-mail kristine@marlinventures.com. General questions should be directed to C5, 202-466-4211.
# Cover Sheet

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BACKGROUND AND BENEFITS OF PROPOSED SOLUTION

The purpose of the proposed solution is to [Describe purpose]. The current status of [Insert “current” capabilities of the Government requirements that are being addressed] is [Insert description found in the Statement of Need]. These capabilities are limited by [Insert description of limitations]. [Insert description of “new” capability] is needed to overcome limitations and improve [Insert specific military capabilities, efficiencies and/or sustainability].

The proposed solution provides the needed capability to overcome limitations stated above by [Insert description of the technology and its innovative attributes].

The proposed solution is [Clearly identify the proposed prototype. Ensure identified prototype is included as a deliverable in Section 3.0 herein].

The desired objectives are to [Insert project’s objectives].

This proposed solution has direct relevance to enhance mission effectiveness or improve platform systems, components or material because it [Clearly state how the solution has direct relevance to enhance mission effectiveness or improve platform systems, components or material].

TECHNICAL APPROACH

The [Consortium Member name]’s design approach and technical risks associated with the development of an Airborne Electronic Attack / Electronic Warfare (EA/ES) payload in accordance with the Size, Weight, and Power constraints identified in the PBS is [Describe design approach and associated risks].

The [Consortium Member name]’s technical approach will include [Describe detailed methodologies, proposed Electronic Attack Techniques, and performance analysis/simulation to degrade, disrupt or deceive Target A and B (See Classified PBS) at the threshold ranges and altitudes].

In order to address the anticipated technical challenges and to achieve the proposed objectives, [Consortium Member name] will [Describe the work* needed to develop the proposed solution]. [Consortium Member name] has identified the following tasks associated with this project: [Identify key tasks* required to complete this project and which participant is performing the activities.]

[*If a phased/element approach is indicated in the Government Statement of Need, the work description and key tasks shall be detailed by phase/element.]

This project is related to a previously funded effort. [If the proposed effort is related to a previously funded effort, include a brief synopsis of what was accomplished, the previous results and how the effort builds upon the previous work. Otherwise enter “N/A.”]

SCHEDULE/DELIVERABLES

The total proposed project duration is [Insert proposed period of performance in months] months from project award.

The project will produce [Insert name and description of tangible deliverable prototype (i.e., physical or virtual model, platform, simulation, software, report, etc.)]

Estimated milestones and deliverables are listed below:
4.0 PARTICIPANTS

<table>
<thead>
<tr>
<th>Participants (including Consortium Member)</th>
<th>Business Status (check one)</th>
<th>Participant Contribution and Significance to Overall Project</th>
</tr>
</thead>
</table>
| Insert Consortium Member                  | ☐ Traditional ☐ Non-traditional | Insert detailed, quantifiable description which addresses the following:  
A.) What specific tasks will this Participant be accomplishing for this project?  
B.) Why are these Participant's tasks significant to this project?  
C.) How is this Participant uniquely qualified to provide these tasks for this project? |

Insert separate row(s) for each additional participant. Delete row(s) as applicable if Consortium Member is the only participant.

| ☐ Traditional ☐ Non-traditional | Insert detailed, quantifiable description which addresses the following:  
A.) What specific tasks will this Participant be accomplishing for this project?  
B.) Why are these Participant's tasks significant to this project?  
C.) How is this Participant uniquely qualified to provide these tasks for this project? |

[Consortium Member name]’s personnel and facility(ies) adequate to perform and execute a TS/SCI effort are demonstrated as follows: [Demonstrate adequate personnel and facilities to perform and execute a TS/SCI effort].

5.0 DATA RIGHTS ASSERTION

All intellectual property, patents and inventions involved in the proposed solution and the associated restrictions on the Government’s use of that intellectual property, patents and inventions are presented in the table below:
<table>
<thead>
<tr>
<th>Technical Data/ Computer Software/ Patent to be Furnished with Restrictions</th>
<th>Basis for Assertion</th>
<th>Asserted Rights Category</th>
<th>Name of Entity Asserting Restrictions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Identify the technical data/software/patent to be furnished with restriction</td>
<td>Indicate whether development was exclusively or partially at private expense. If development was not at private expense, enter the specific reason for asserting that the Government’s right should be restricted</td>
<td>Insert asserted rights category (e.g., limited rights (data), restricted rights (software), government purpose rights, SBIR data rights or specifically negotiated license)</td>
<td>Insert corporation or individual</td>
</tr>
</tbody>
</table>

6.0 ROUGH ORDER OF MAGNITUDE (ROM) COST

Cost Share (if applicable) is proposed as follows:

Cash into Project: [Describe and quantify the proposed cash contribution(s) being made for use on the project, or insert N/A].

In-Kind Contributions: [Describe and quantify the proposed in-kind contribution(s) being made for use on the project, or insert N/A].
### ROM Cost

Phase 1: Build one (1) system to demonstrate selected EA and ES capabilities against enemy communications and non-communications emitters on surrogate aircraft in 18 months at a Government-test facility.

Phase 2: Build up to four (4) systems for testing, qualification and verification of performance requirements to support integration onto a Gray Eagle UAS in 18 months.

<table>
<thead>
<tr>
<th>Cost Element</th>
<th>Phase 1</th>
<th>Phase 2</th>
<th>Total</th>
<th>Description/Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prime Contractor Labor</td>
<td></td>
<td></td>
<td></td>
<td>Insert generic position titles, estimated rates and labor hours</td>
</tr>
<tr>
<td>Subcontractor/Consultant Labor</td>
<td></td>
<td></td>
<td></td>
<td>Insert generic position titles, estimated rates and labor hours</td>
</tr>
<tr>
<td>Material/Equipment</td>
<td></td>
<td></td>
<td></td>
<td>Insert list of proposed material/equipment</td>
</tr>
<tr>
<td>Other Direct Costs (ODC)</td>
<td></td>
<td></td>
<td></td>
<td>Describe proposed ODC (outside services, conference fees, software licenses, other fees/royalties, etc.)</td>
</tr>
<tr>
<td>Travel</td>
<td></td>
<td></td>
<td></td>
<td>Describe estimated travel (e.g., travel to customer site(s) for meetings, etc.)</td>
</tr>
<tr>
<td>Proposed Project Total</td>
<td></td>
<td></td>
<td></td>
<td>Sum of cost elements</td>
</tr>
<tr>
<td>Less Cost Share</td>
<td></td>
<td></td>
<td></td>
<td>Cost-share amount (if applicable)</td>
</tr>
<tr>
<td>Total (Less Cost Share)</td>
<td></td>
<td></td>
<td></td>
<td>Amount after cost share is deducted</td>
</tr>
<tr>
<td>Consortium Fee</td>
<td></td>
<td></td>
<td></td>
<td>To be completed by Consortium</td>
</tr>
<tr>
<td>Total ROM Cost</td>
<td></td>
<td></td>
<td></td>
<td>To be completed by Consortium</td>
</tr>
</tbody>
</table>
# Affirmation of Business Status Certification

Each participant shall complete a separate certification. These certifications will not count toward the page limit.

<table>
<thead>
<tr>
<th>Participant Name</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Proposed NAICS Code</td>
<td></td>
</tr>
<tr>
<td>Industry Size Standard (Small/Large)</td>
<td></td>
</tr>
<tr>
<td>DUNS No.</td>
<td></td>
</tr>
<tr>
<td>CAGE Code</td>
<td></td>
</tr>
<tr>
<td>Active SAM Registration</td>
<td>☐ Yes ☐ No</td>
</tr>
<tr>
<td>Address 1</td>
<td></td>
</tr>
<tr>
<td>Address 2</td>
<td></td>
</tr>
<tr>
<td>City/State/Zip</td>
<td></td>
</tr>
<tr>
<td>POC Name/Title</td>
<td></td>
</tr>
<tr>
<td>POC Phone/Email</td>
<td></td>
</tr>
</tbody>
</table>

Check one of the following boxes:

- ☐ Non-traditional Defense Contractor (NTDC) or Nonprofit Research Institution — A Non-traditional Defense Contractor is an entity that is not currently performing and has not performed, for at least the one-year period preceding the issuance of this Request for White Papers by the Department of Defense, any contract or subcontract for the Department of Defense that is subject to full coverage under the cost accounting standards prescribed pursuant to 41 U.S.C. §1502 and the regulations implementing such section.

All small businesses are considered NTDCs. A small business is a business concern as defined under Section 3 of the Small Business Act (15 U.S.C. §632). To be considered a small business for the purposes of this RWP, a concern must qualify as a small business under the size standard for the proposed North American Industry Classification System (NAICS) code, as described at 13 C.F.R. 121.201.

- ☐ Traditional Defense Contractor—A traditional defense contractor is an entity that does not meet the definition of a Non-traditional Defense Contractor (NTDC).

This is to certify that the above is accurate, complete and current as of insert date for insert RWP number.

<table>
<thead>
<tr>
<th>Signature (electronic signature is acceptable)</th>
<th>X</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date Signed</td>
<td></td>
</tr>
</tbody>
</table>
