**Consolidated Proposal Package – Cover Page Project Name:**

**Project Type (select all that apply): ☐**Discovery (TRL 4) ☐Hypothesis (TRL 5/6) ☐Demonstration (TRL 7/8)

**RDER Funding Request:** *Enter Total Request ($M)*

**Anticipated project end date (must be 12-24 months):** *Enter date*

**Proposal Alignment-Joint Warfighting Supporting Concept** *(Fires, C2, Info Advantage, Contested Logistics)* **and Critical Required Capabilities (CRC):** *Briefly describe direct alignment to all other relevant Joint Priority Mission Areas and map to associated CRCs per the classified Call for Proposals addendum*

**Project Lead Agency:** *Provide the Company and/or Gov’t Organization responsible for project execution*

**Proposal POC:** *POC name*, *POC e-mail*, *POC phone #*

**Other Partners:** (Gov’t Orgs, Allied Nations, companies, or academia that are assisting in project execution)

### Transition Partner(s):

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| * Army
 | * Navy
 | * Air Force
 | * USMC
 | * SOCOM
 | * Defense Agency
 | * IC Partner
 | * Other
 |

**Target Transition Organization(s):** Provide the specific Program Offices or organizations that will transition the developed capability (e.g., NAVAIR PMA 201, SAF AQR, Army PM PMPS, SOCOM PEO-FW)

**Product to be transitioned:** *List items (e.g. System of Systems, System/platform capability; sub-systems; software; Development Prototype; Operational Prototype.*

### CCMD Support:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| * AFRICOM
 | * CENTCOM
 | * CYBERCOM
 | * EUCOM
 | * INDOPACOM
 | * NORTHCOM
 |
| * SPACECOM
 | * SOCOM
 | * SOUTHCOM
 | * STRATCOM
 | * TRANSCOM
 |  |

**Template Instructions**

**Project Overview (Classify appropriately; all NOFORN material should be portion marked)**

#### This section must not exceed 3 pages and is required for all proposal submissions. The Whitepaper should provide an overview (at appropriate classification level) of the project to convey to a non-technical reviewer a concise understanding of: (1) Experimentation Design: evaluation method that uses prototypes to test a hypothesis; evaluates technical feasibility and verifies military utility to develop preliminary CONOPs and TTPs; (2) Experimentation Integration: work used to close-in and/or refine architectural frameworks that enable better interoperability, to upsurge temporal battlefield dominance against near-peers; (3) the operational need you are trying to address; (4) the technical and programmatic highlights of the proposed project; and (5) value the developed capability provides to the Joint Warfighter.

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Controlled by: OUSD(R&E) Controlled by: P&E

CUI Category: N/A Distribution/Dissemination Control: C POC: bruce.j.juselis.civ@mail.mil

## Project Title

As of: Click or tap to enter a date.

# Project Overview

This section is **Mandatory** and **must not exceed 3 pages**

Provide an overview of the project to convey to a non-technical reviewer a concise understanding of:

1. Experimentation Design and Scenario Alignment
2. Experimentation Integration
3. The operational need you are trying to address
4. The technical and programmatic highlights of the proposed project
5. The value the developed capability provides to the Joint Warfighting Concept

## Unclassified Project Description:

## *Provide a brief (elevator speech) unclassified description of the capability to be experimented; provided a general overview of how your project aligns to the DPS and relevant mission threads, and the question (hypothesis) you are trying to answer and validate through your experiment.*

## Detailed Project Description:

Provide 2-3 paragraphs of your experiment that explains the concept in a way such that anyone can understand it (plain language). This Section should describe: (1) Experimentation Design: evaluation method that uses prototypes to test a hypothesis; evaluates technical feasibility and verifies military utility to develop preliminary CONOPs and TTPs; (2) Experimentation Integration: work used to close-in and/or refine architectural frameworks that enable better interoperability, to upsurge temporal battlefield dominance against near-peers; and, (3) the value the developed capability provides to the Joint Warfighting Concept.

**Objective & Payoff of Proposed Project:**

Please detail what this project will accomplish and why it’s relevant. This section should describe to a non-technical reviewer the product to be transitioned through a clear and concise narrative. This section should clearly convey:

* *What current problem does this project address?*
* *How will this project solve the above problem and why is it better than other solutions?*
* *Provide qualitative comparative to current problem solution (e.g., order of magnitude improvement)*
* *What new or increased capability will this provide to the Joint Warfighter?*

*RDER must consider whether a nominated proposal will feasibly execute at a TRL 6-8 upon conclusion of an experimentation series— being conducted within 12-24 months. Therefore, RDER follows the “Capability Based Experimentation” model as referenced in Joint Warfighting Concepts Experimentation Guide.9 The model employs Discovery, Hypothesis, and Demonstration activities to conduct continuous, iterative—crawl, walk, run—experimentation that focuses on enabling the CRC of the JWC. Proposal teams must annotate which of the following activities they are aligned with and provide a brief description:*

* ***Discovery*** *activities as they related to front-end studies, modeling and simulation (M&S), and/or Wargaming events*  *(TRL 4 or greater); supporting documentation briefly described (e.g. digital artifacts; models; performance data and parameters (MOEs/MOPs); other analytical products*
* ***Hypothesis*** *formation activities to orient experimentation and proposal nomination on Developmental Prototypes that can demonstrate at TRL (5-6)*
* ***Demonstration*** *activities focus experimentation and/or proposal nomination on Operational Prototypes that can demonstrate at TRL (7-8)*

## Degree of Joint Benefit/Participation by the Military Services:

## *Describe the degree of Multi-Component participants, i.e., roles of the Military Services and capabilities needed / being leveraged; how the proposed capability addresses or will benefit multiple Services/CCMD needs and gaps; and extent of inter-Service collaboration*

## Technical Approach:

Describe the maturity of the critical technology elements of the previous prototyping efforts, the current technology maturation plan, and capability integration plan throughout the experimentation series (campaign of learning = crawl, walk, run in 12-24 months). What are the key system integration activities to achieve with the desired capability being experimented with? Please describe the capability integration process in detail, including any phases as applicable. Highlight any off-ramps during the demonstration and experimentation process. Provide a diagram/figure that provides a high-level understanding of the prototype and the key components as necessary and how they fit within the experimentation series.

## Risk / Risk Mitigation:

What are the major hurdles to achieving the target objectives within the experimentation series? What challenges will remain after successful completion of the experimentation series? How will you address them? What threats or weakness does the proposed solution have and how will they be overcome if transitioned? What financial risk exists?

Include risk charts as necessary.

## Experimentation Plan:

Describe the plan to demonstrate/evaluate/test the prototype against the performance attributes (modeled MOEs and MOPs). What are the anticipated resources and infrastructure needed to support the testing/demonstration? Describe the Experiment from beginning to end and what a successful experiment looks like as it relates to the Experimentation Series’ scenario and mission threads.

## Funding Overview:

To incentivize a disciplined approach to rapidly identify, incorporate, and execute projects largely through the Military Services, the Department will fund approved Service projects for the upcoming fiscal year out of the Department reserves. Funding decisions on additional funds in follow-on years for new projects, and funding decrements for project terminations will be incorporated in budgets annually based on emerging requirements and periodic assessments of project viability. Services will execute these funds under oversight of the OSD in a manner consistent with the experimentation scenario for which individual projects were selected. In this section, list the total project cost and the total funds requested from RDER—broken down by requested RDER Service Program lines. In the table, breakout the total funding requested from OSD Reserve, then sub-tallied by Service RDER Program Lines and/or each organization providing co-funding **not to exceed 12-24** months execution. OSD Reserve resource requirements are defined as In-Year of Execution funding, RDT&E 6.4, with a two-year expiration.  **RDER funding guidance: selected Experimentation Series projects will be funded as single- execution, severable efforts. They should be scoped ~$1M -not to exceed- $10M per year / per Service; size and scope should be congruent with 4 +1 Alignment Criteria**.

#### The total cost of the XXXX project is estimated at $X,XXX.XXXK, with $X,XXX.XXXK requested from OSD. The cost detailed in the table below:

|  |  |  |  |
| --- | --- | --- | --- |
| **Funding Organization** | **12mos** | **24mos\*** | **Total** |
| *Service 1 RDER PE #* | $ X,XXX.XXXK | $ X,XXX.XXXK | $ X,XXX.XXXK |
| *Service 2 RDER**PE #* | $ X,XXX.XXXK | $ X,XXX.XXXK | $ X,XXX.XXXK |
| *Service 3 RDER**PE #* | $ X,XXX.XXXK | $ X,XXX.XXXK | $ X,XXX.XXXK |
| ***OSD Reserve Total Requested*** | **$ X,XXX.XXXK** | **$ X,XXX.XXXK** | **$ X,XXX.XXXK** |
| *Other Agency Co-funder1 PE#* | $ X,XXX.XXXK | $ X,XXX.XXXK | $ X,XXX.XXXK |
| *Other Agency Co-funder2 PE#* | $ X,XXX.XXXK | $ X,XXX.XXXK | $ X,XXX.XXXK |
| ***Project GRAND Total*** | **$ X,XXX.XXXK** | **$ X,XXX.XXXK** | **$ X,XXX.XXXK** |

**\*Funding is contingent upon the availability of funds and the successful completion of project tasks and deliverables in each fiscal year. Funding requested should be base funds required to execute the capability or the *minimum viable product*.**

OSD Reserve Total Requested: **FY24 RDT&E (RDER) funding** requested in direct support of Project XXXX.

Other Co-Sponsors: add partner funding

\*Note\* Do not add “in-kind” funding to support RDER projects here within the White Paper

## Project Schedule and Deliverables:

Provide a high-level summary of the major milestones, deliverables, and Go/No-Go decision criteria/metrics for each experimentation phase (crawl-walk-run) (from receipt of funding to experimentation completion) in the table below. Each project must provide a comprehensive technical report as a deliverable.

|  |  |  |
| --- | --- | --- |
| **Summary of Major Tasks, Milestones, & Deliverables** | **Estimated Start Date** | **Estimated Completion Date** |
|  **Phase 1, 6 Months** |
| Task 1: | Month/Year | Month/Year |
| Task 2: | Month/Year | Month/Year |
| Deliverable 1: | - | Month/Year |
| Deliverable 2: | - | Month/Year |
| Go/No-Go Decision 1 (Criteria and/or Metric) | - | Month/Year |
| Go/No-Go Decision 2 (Criteria and/or Metric) | - | Month/Year |
|  **Phase X, 24 Months** |
| Task 1: | Month/Year | Month/Year |
| Task 2: | Month/Year | Month/Year |
| Deliverable X: Comprehensive Final Report | - | Month/Year |

## Transition Details:

## *Service experimentation outcomes will be designed to validate and accelerate required capabilities enabling the JWC by evaluating and integrating prototyped technologies in operationally relevant, multi-domain environments. Experimentation results will: (1) facilitate Joint Staff analysis in the evaluation of the Joint Warfighting Concept, (2) assist the Joint Requirements Oversight Counsel in requirements determination, and (3) inform the Deputy’s Management Action Group to make budget decisions that effect changes throughout the Department—Express your transition strategy in terms of what you hope to leverage from each (1-3). Also, the goal is to accelerate capability fielding by two or more years than what the Services could do alone; therefore, address the areas below in temporal-acceleration terms of ## months accelerated.*

## *The campaign of rapid joint experimentation includes four transition pathways (more than one may apply):*

## *1. Leave-behind prototypes for immediate operational use (i.e. XX month accelerated)*

## *2. Rapid fielding procurements (i.e. XX months accelerated)*

## *3. Transition to mid-tier acquisition / programs of record (i.e. XX months accelerated)*

## *4. No Transition, or return to technical base*

## *Please explain your transition strategy and expected pathway. Highlight Service partners that will work transition of capability and strategy for avoiding the “valley of death”.*