



Naval Information Warfare Center Atlantic

IWRP Update

Information Warfare Research Project

NIWC Atlantic NOLA Detachment
Industry Outreach Event
UNO Research and Technology Park
14 November 2019

Mr. Don Sallee
NIWC Atlantic
IWRP Program Manager

Information Warfare Research Project (IWRP)

Focusing on underlying technologies that advance Naval information warfare capabilities through a consortium that can support research, development and prototyping



- Enables rapid research for IW
- Prototype projects in the area of IW
- Increases access to innovative commercial solutions for defense requirements
- Fosters innovation with non-traditional industry partners
- Allows Prototype consideration through Industry initiated Ideas

IWRP uses an alternative acquisition method called an OTA (Other Transaction Authority) to:

- Greatly increase speed to award
- Reduce barriers to competition
- Increase access to innovative commercial solutions
- Leverage advanced commercial technologies

10 U.S.C . § 2371b authorizes DoD to carry out transactions for prototype projects other than a procurement contract, grant, or cooperative agreement

What is a Prototype?

A prototype project is used to evaluate the technical or manufacturing feasibility or military utility of a particular technology, process, concept, end item, effect or other discrete feature

Can be

- Proof of concept
- Pilot
- Novel application of commercial technology for defense purposes
- Creation, design, development, demonstration of technical, evaluation or operational utility
- *Or a combination of the above*

May include

- Systems
- Subsystems
- Components
- Materials
- Methodology
- Technology
- Processes
- Agile development activity

The quantity should generally be limited to that needed to prove technical or manufacturing feasibility or evaluate military utility

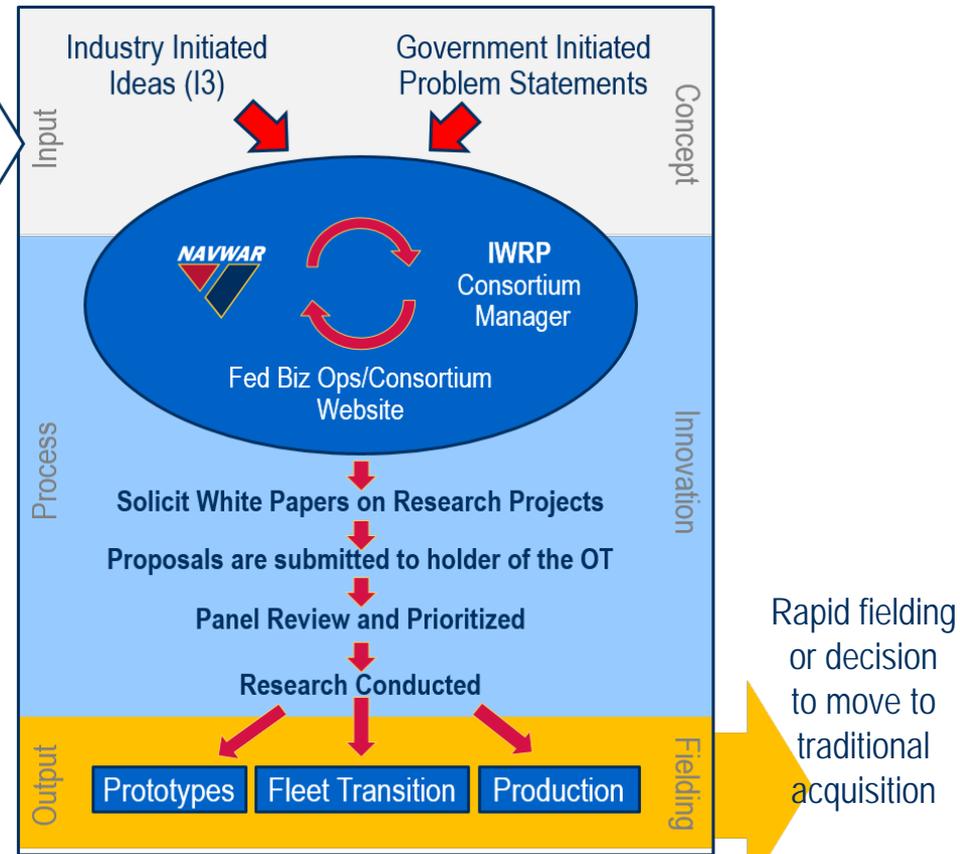


IWRP Execution Process

▼ IWRP uses a consortium based approach.

▼ Scope/IWRP Technology Areas

- Cyber Warfare
- Data Science/Analytics Technologies
- Assured Communications
- Cloud Computing
- Enterprise Resource Tools
- Collaboration and Social Networking
- Autonomy
- Internet of Things (IoT) Embedded Systems
- Mobility
- Model-Based Systems Engineering (MBSE)
- On-Demand Manufacturing
- Technologies that would enable and improve:
 - Assured Command and Control (AC2)
 - Battlespace Awareness (BA)
 - Integrated Fires (IF)



IWRP is an opportunity for the consortium members to identify research topics in addition to government identified research topics

IWRP 3 Processing Options for Prototypes

Option 1 White Papers to Full Proposal:

Preferred option in most cases to maximize feedback at the white paper state and then better align SOW and proposals to government needs

- Maximum Collaboration and Innovation Opportunity
- White Paper Does not include costing information
- Not for use in 4th QTR for end of FY award
- Preferred Option for most cases

Option 2 Enhanced White Papers:

Supports more urgent requirements.

- Condensed Process
- Costing Information (Rough order of Magnitude) Provided with the White Paper
- Can be awarded in 4th QTR if processed by cut off dates

Option 3 Full Proposal:

Preferred option when NAVWAR has clear requirements in the SOW and wants to limit the period of collaboration

- Post White Paper Processing
- For use with Basket Provision and White Paper Repository
- Supports Urgent Requirements

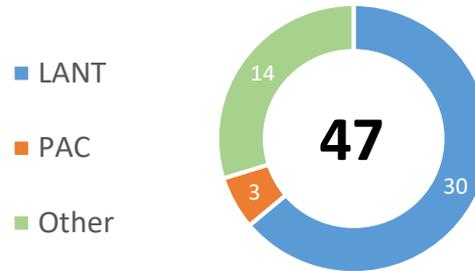
What is a Basket Provision?

- ▼ The basket holds proposals that have already been evaluated and determined to have met all of the requirements of the Statement of Work under an IWRP prototype opportunity.
- ▼ Any proposal in the basket can be “pulled” and awarded. Some minor tweaks and cost updates might be necessary but scope of the effort must remain the same to still be considered as being competed.
- ▼ Proposals remain in the basket for 18 months after evaluations.
- ▼ Proposals in the basket are not limited to the original requestors – they are available to anyone with a need and available funding.

Members



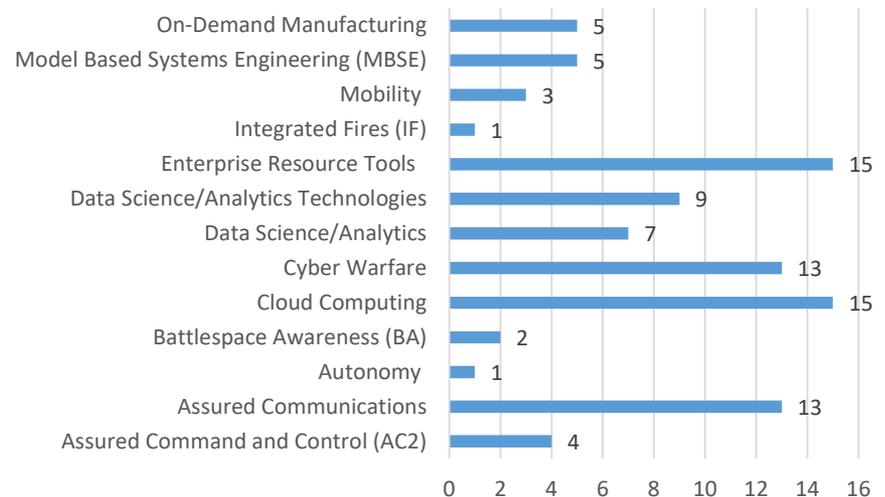
Workflow by Customer



Members by Technology Area



Prototype Requests by Technology Area



FY19 Forecast as briefed August 2018

- ▼ Data indicated approximately \$28M in potential FY19 for Project Prototype Agreements
- ▼ FY19 transaction forecast: 25-30 transactions (this is expected to grow in FY20 and 21)

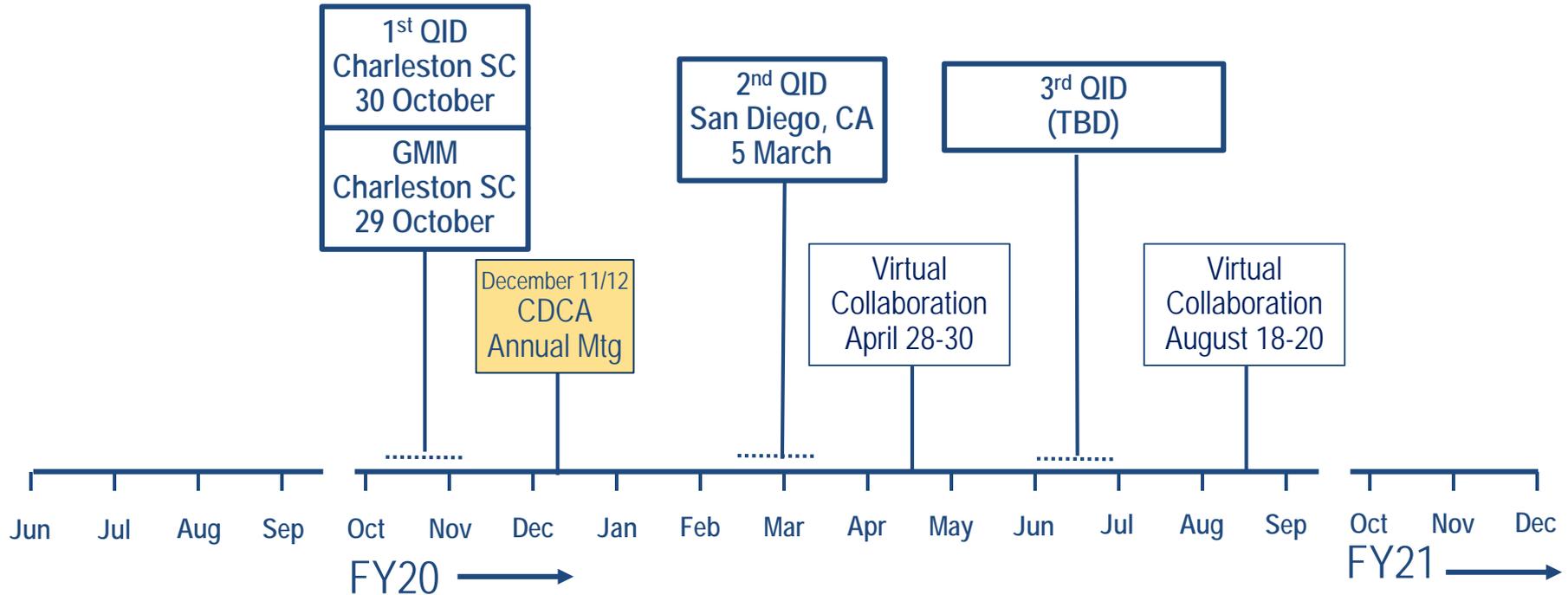
FY19 IWRP Execution

- 64** Total FY19 Prototypes opportunities offered
- 8** Number of Non-NAVWAR Navy organizations using IWRP
- 3** Awards made
- 6** Awards currently in progress
- 56** Proposals placed in the Basket *(2 awards from the basket in FY19)*
- \$35 M** In awarded prototype ceiling
- \$1.1 M** Average dollar amount per prototype award
- 157** Average number of days for a prototype award from inception
- 42** Days for the fastest award

FY20 Forecasting

- ▼ Forecasting a 100% increase in workflow over FY19
- ▼ Forecasting \$50-60M in prototype awards
- ▼ Forecasting 1-2 successful prototypes from FY19 moving to production

FY20 Schedule



***Note: Align FY21 1st QID with SBIOL in October**

Points of Contact

To become a member of the IWRP consortium go to <https://www.theiwrp.org>

NIWC Atlantic

- Don Sallee – Program Manager
• donald.sallee@navy.mil
- Lisa Rosenbaum – Agreement Officer
• lisa.rosenbaum@navy.mil

NIWC Pacific

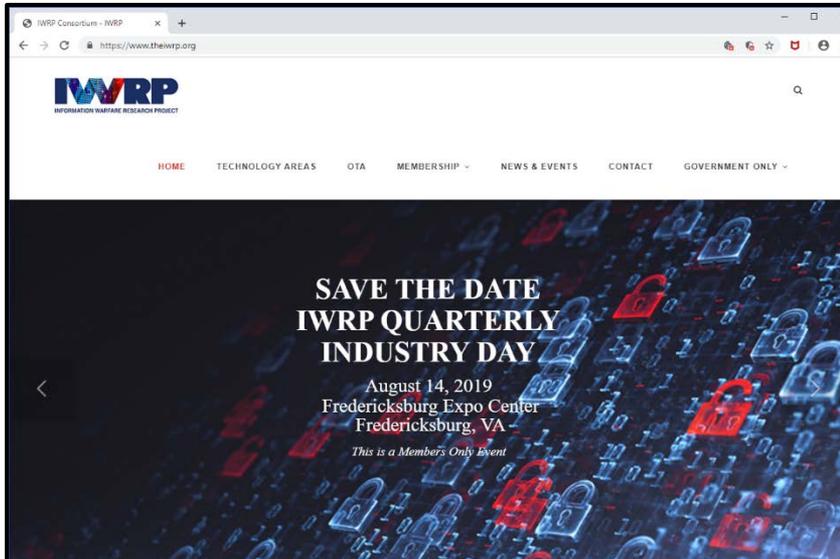
- Vince Squitieri – IWRP IPT Lead
• vincent.squitieri@navy.mil
- Sharon Pritchard – Agreement Officer
• sharon.pritchard@navy.mil

Where to Get Additional Information

Internal NAVWAR Enterprise Wiki Page
(govt. access only)
https://wiki.spawar.navy.mil/confluence/x/7-N_Dw



Public Facing IWRP Website
<https://theiwrp.org>



Dashboard / ... / Command Initiatives Library

Information Warfare Research Project (IWRP)

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Advancing Naval Information Warfare Through Rapid Prototyping on a Global Scale

The IWRP is a consortium of non-traditional industry and academic partners formed to prototype innovative technologies for SPAWAR's customers.

A Virtual Industry Day will be held on 25 - 27 June. The cut-off date for new problem statements is 05 Jun 2019.

Contact Information/POCs:

IWRP Program Manager (NIWC Atlantic): Don Sallee donald.sallee@navy.mil 843-218-4345	IWRP IPT Lead (NIWC Pacific): Vince Squitieri vincent.squitieri@navy.mil 619-553-3800
IWRP Agreements Officer (NIWC Atlantic): Lisa Rosenbaum lisa.rosenbaum@navy.mil 843-218-5982	IWRP Agreements Officer (NIWC Pacific): Sharon Pritchard sharon.pritchard@navy.mil 619-553-3200

Upcoming Events:

Description	Location	Date
Proposal Evaluation Process Guidance / Q&A Email: IWRP.fct@navy.mil for invitation & teleconference dial-in	Teleconference	Tuesdays 1200-1300
Cut Off Date for Problem Statements for June Virtual QID		05 Jun 2019
Virtual Quarterly Industry Day	Webcast	25 - 27 June 2019
Cut Off Date for Problem Statements FY19Q4		17 Jul 2019
Quarterly Industry Day (QID) FY19Q4	Stafford, VA	14 Aug 2019

IWRP Dashboard:

- IWRP Dashboard 05 June 2019.pptx

Forms and Job Aids:

- Problem Statement Intake Form_Section1_Rev21_20190411
- Problem Statement Intake Form_Section2_Rev20_20190502019.docx
- Prototype Project Quad Chart.Example & Template **Updated!**
- SOW Template 20190513 - REV A.docx
- Government Furnish Property_N65236-18-9-0001.pdf
- IWRP Rules of Engagement for Collaboration_20190219.pptx
- IWRP Ordering Guide_DRAFT_rev28_20190528.pptx
- IWRP RACI Chart_DRAFT_Feb 2019
- Non Severability Statement Job Aide 4-10-2019.docx
- AOR Nomination Letter 5-5-2019 REV A.doc
- FISCAL LAW POLICY FOR APPROPRIATIONS.docx

Quarterly Industry Day 14 May 2019 Registration Link

BIDS Information:

- BIDS Quick Card
- BIDS Prototype Review and Evaluation Brief
- Link to BIDS

Recent Briefs:

- IWRP SBICL.pptx
- IWRP_QID_14May2019_Final.pptx
- IWRP OTA Department Briefing Jan 2019 - Final.pptx
- IWRP External Brief 13 May 2019.pptx



*Advancing Naval Information Warfare Through
Rapid Prototyping on a Global Scale*

Naval Information
Warfare Center



ATLANTIC

Serve our Nation by delivering information warfare solutions that protect national security. WIN THE INFORMATION WAR.



NIWC Atlantic is part of the Naval Research & Development Establishment (NR&DE)

Web: <https://www.public.navy.mil/navwar/Atlantic> Facebook: <https://www.facebook.com/NavalInformationWarfareSystemsCommand>

Twitter: <https://twitter.com/navwarHQ> Instagram: <https://www.instagram.com/spawarhq/> LinkedIn: <https://www.linkedin.com/company/spawar/>

Glassdoor: https://www.glassdoor.com/Overview/Working-at-SPAWAR-Systems-Center-Atlantic-EI_IE638508.11_41.htm

Employment opportunities: <https://www.usajobs.gov/> NIWC Atlantic Small Business: <https://www.public.navy.mil/navwar/Atlantic/Pages/ForIndustry.aspx>

NAVWAR Contract Directorate Office: <https://e-commerce.sscno.nmci.navy.mil>