



NDIA Fall Forum Information Warfare Research Project Update

26 October 2021

Mari Garcia-Reynante

IWRP Project Lead

NIWC Pacific



▼ Consortium Update

- IWRP Timeline
- Consortium Health
- IWRP Execution FY18-21
- Member Resources

▼ IWRP Program Update

- IWRP Highlights
- Basket Provision
- FY21 IWRP Consortium Engagements/Events
- RPP Updates
- IWRP Schedule
- Meet the IWRP Team

Consortium Update



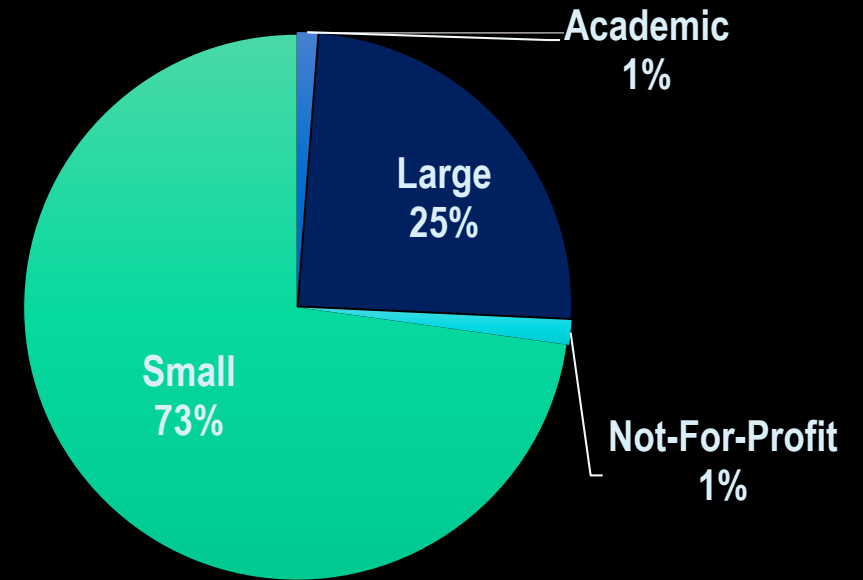
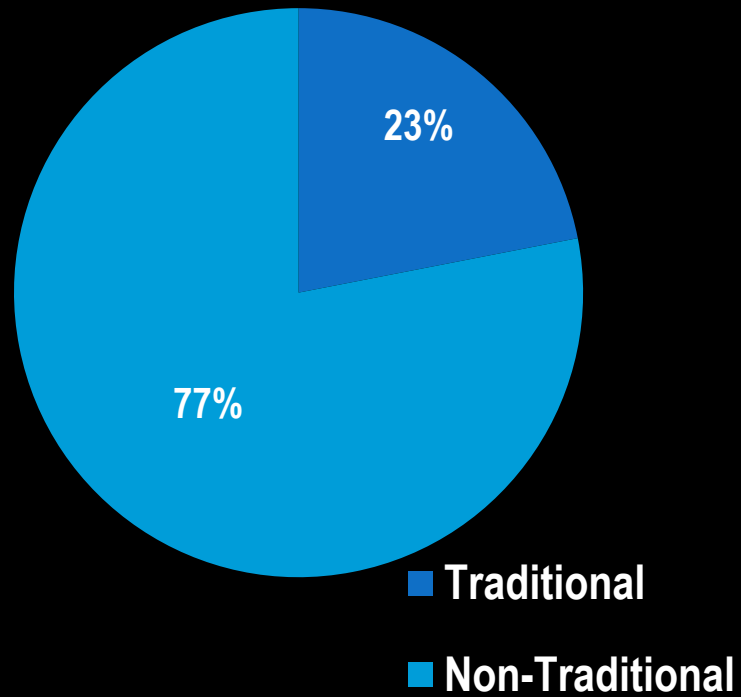
▼ Consortium Timeline

- 26 June 2018: OTA Executed for \$100M
- 11 July 2018: Onboarding Initiated
- 06 September 2018: 100 Members onboard
- 14 January 2019: 1st IWRP Award Executed
- 20 December 2019: 40th IWRP Award Executed
- 16 July 2020: OTA Ceiling Increased to \$500M
- 9 July 2021: 800 Members onboard
- 30 September 2021: 113 IWRP Awards Executed

Consortium Health

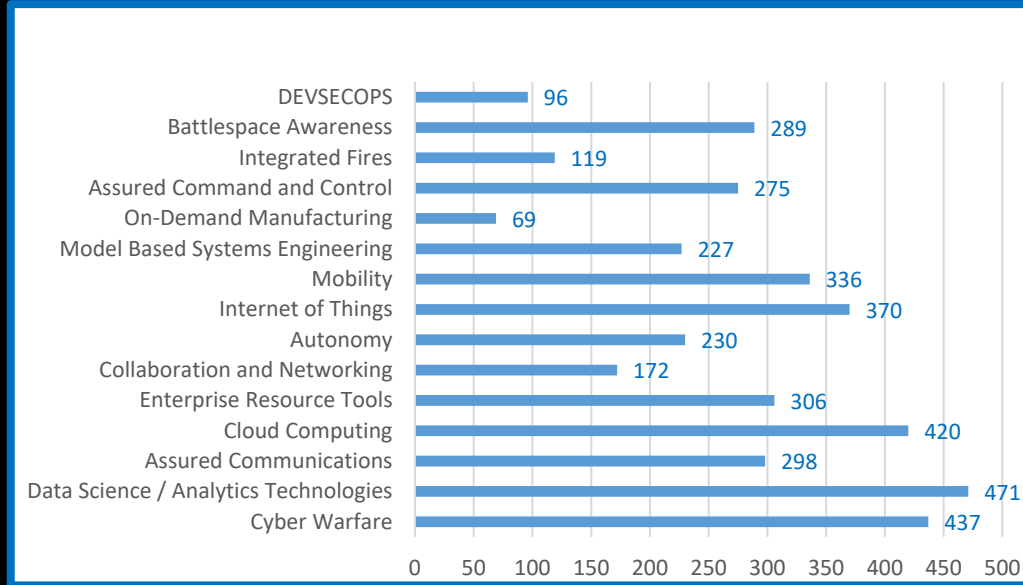


820 Consortium Members



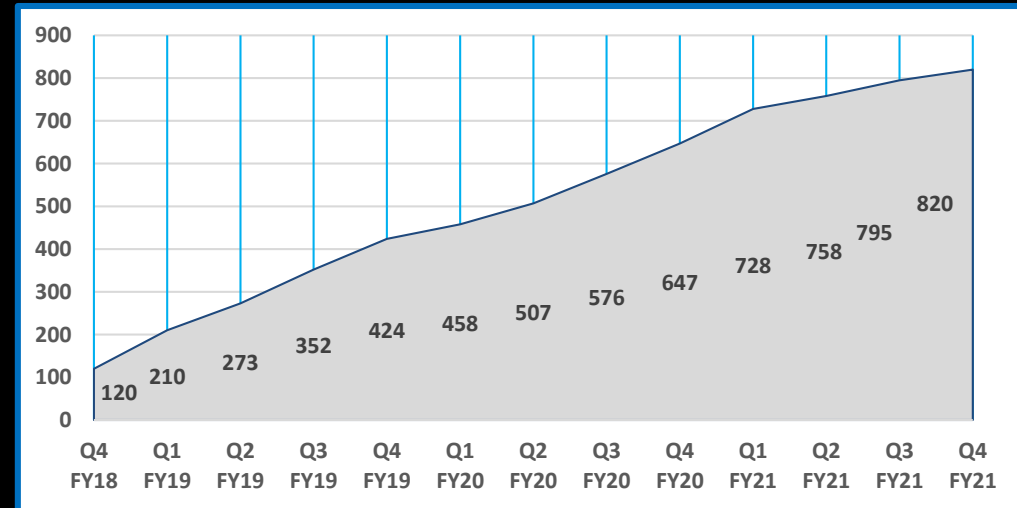
Membership by Company Type

Consortium Health (cont'd)



IWRP Technology Area Coverage

Sustained growth over 3-year period










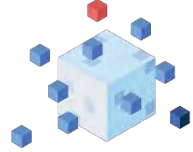


Consortium Health (cont'd)

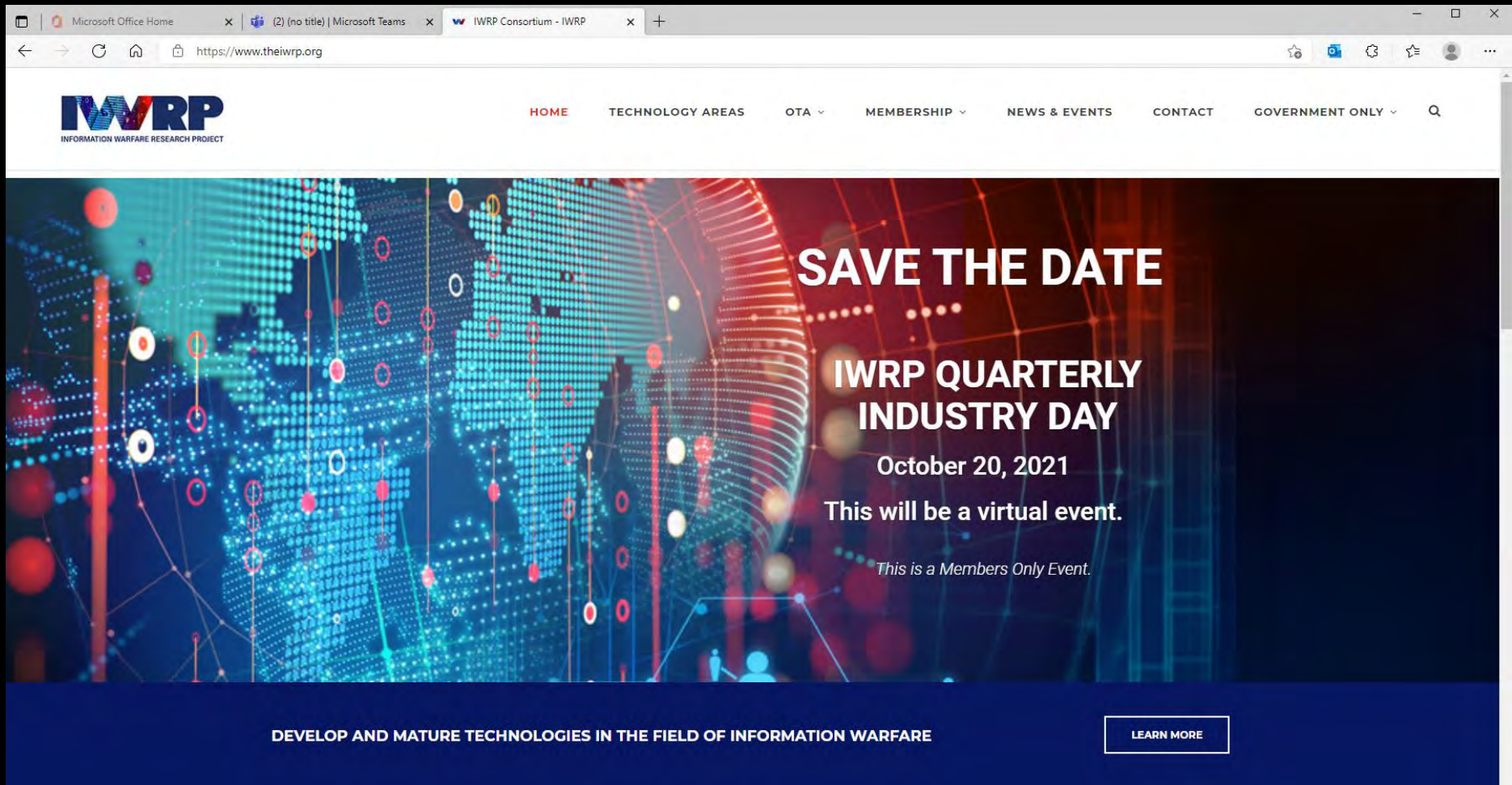
Consortium Membership Spans 42 States



FY18-21 IWRP Execution

 <p>1100+ Structured Collaboration Engagements</p>	 <p>25 Industry Events</p>	 <p>113 Prototype Awards Includes 11 Basket Awards</p>	 <p>158 Government Problems Statements Issued to the Consortium</p>	 <p>1976 Solicitation Responses</p>
 <p>\$323M In awarded prototype ceiling</p>	 <p>\$2.9M Average dollar amount per prototype award</p>	 <p>12 Production Awards \$620M in awarded ceiling</p>	 <p>40 Days for the fastest award</p>	 <p>7550+ Participants in Industry Events 4550+ Participants in Virtual Events since April 2020</p>

Public Website: www.theiwrp.org



The screenshot shows a web browser window with the URL <https://www.theiwrp.org>. The browser tabs include "Microsoft Office Home", "(2) (no title) | Microsoft Teams", and "IWRP Consortium - IWRP". The website header features the IWRP logo and a navigation menu with links: HOME, TECHNOLOGY AREAS, OTA, MEMBERSHIP, NEWS & EVENTS, CONTACT, and GOVERNMENT ONLY. The main content area has a dark blue background with a digital network pattern. It features a large white text overlay that reads "SAVE THE DATE" followed by "IWRP QUARTERLY INDUSTRY DAY" and "October 20, 2021". Below this, it states "This will be a virtual event." and "This is a Members Only Event." in a smaller font. At the bottom of the page, there is a dark blue footer with the text "DEVELOP AND MATURE TECHNOLOGIES IN THE FIELD OF INFORMATION WARFARE" and a "LEARN MORE" button.

IWRP Program Update



IWRP Highlights

- ▼ 26 June 2018: IWRP OTA Executed for \$100M
- ▼ 01 October 2018: IWRP Prototype Project Execution Starts
- ▼ 14 January 2019: 1st IWRP Prototype Project Award Executed
- ▼ 16 July 2020: Ceiling Inc to \$500M; PoP ext for 2 yrs (2018-23)
- ▼ September 2020: First Production OTs (Sole Source Follow-Ons)
- ▼ 5 May 2021: 85th IWRP Prototype Award Executed
- ▼ 12 May 2021: 1st Tranche 1 OUSD 5G Prototype Award Executed
- ▼ 15 Sep 2021: 1st Tranche 2 OUSD 5G Prototype Award Executed
- ▼ 30 September 2021: 113th IWRP Prototype Project Award Executed

Naval Users

- NAVWAR
- NIWC Atlantic
- NIWC Pacific
- NAVSEA 04I
- PEO DES
- PEO C4I and Space Systems
- PEO IWS
- MARCORSYSCOM
- Naval Analytics Office
- Office of Naval Research
- Office of Navy Intelligence
- ASN RDA

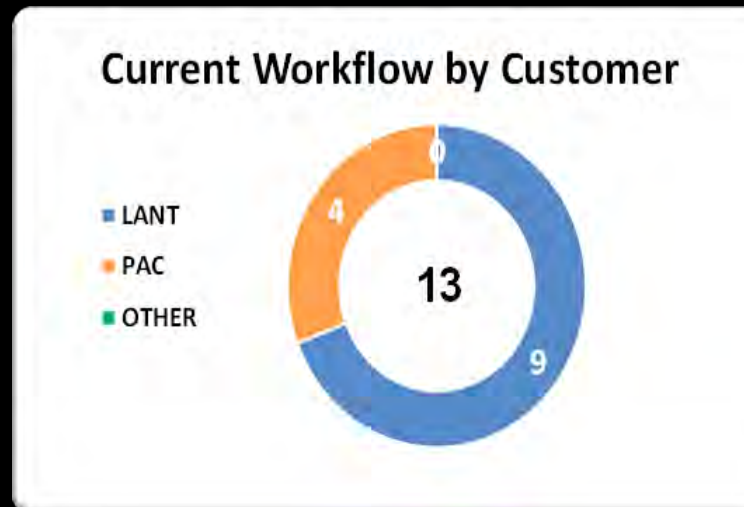
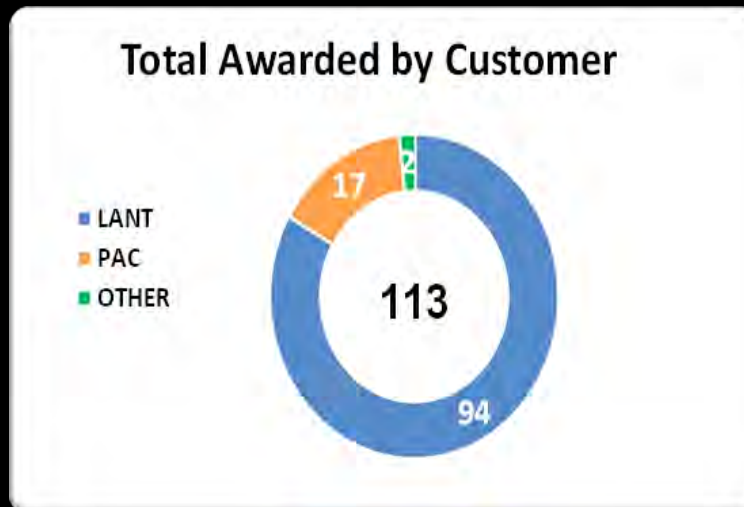
Non-Naval Users

- OSD

IWRP Program Update



IWRP Prototype Execution FY 19-21



\$500M
Ceiling

\$335.8M
Awarded Prototypes to Date

113
Prototype Awards Made to Date

12
Production Awards Made to Date

\$623M
Awarded Production Awards Made to Date

58%
Awards to Non-Traditionals
(58 of 88 Awards)

\$2.9 M
Average Prototype Award

IWRP Program Update



▼ TOP 5 Prototype Awards by Technology Areas

- Enterprise Resource Tools 22%
- Data Science/ Analytics Technologies 15%
- Cloud Computing 14%
- Assured Communication 12%
- Assured Command and Control 10%

▼ Top 5 Membership by Technology Focus Area

- Data Science/Analytics Technologies
- Cyber Warfare
- Cloud Computing
- Internet of Things (IoT) Embedded Systems
- Mobility, Assured Communications

Percent	Prototype Technology Area
2%	Cyber Warfare
15%	Data Science/Analytics
12%	Assured Communications
14%	Cloud Computing
22%	Enterprise Resource Tools
0%	Collaboration and Social Networking
0%	Autonomy
0%	Internet of Things (IoT) Embedded Systems
1%	Mobility, Assured Communications
5%	Model Based Systems Engineering
7%	On-Demand Manufacturing
10%	Assured Command and Control
0%	Integrated Fires
8%	Battlespace Awareness
0%	DEVSECOPS
4%	Other

Consortium Members by IWRP Technology Area	
Data Science/Analytics	471
Cyber Warfare	437
Cloud Computing	420
Internet of Things (IoT) Embedded Systems	370
Mobility, Assured Communications	336
Enterprise Resource Tools	306
Assured Communications	298
Battlespace Awareness	289
Assured Command and Control	275
Autonomy	230
Model Based Systems Engineering	227
Collaboration and Social Networking	172
Integrated Fires	119
DEVSECOPS	96
On-Demand Manufacturing	69

Basket Provision

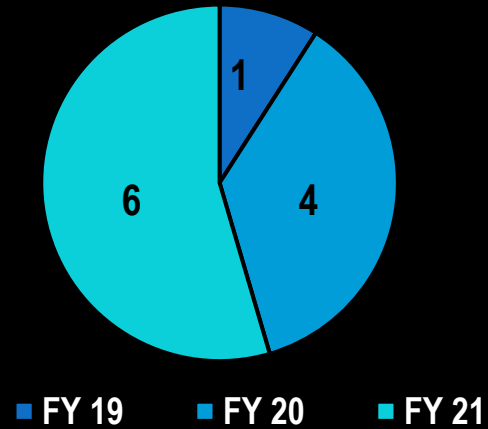
- Proposals evaluated favorably but not awarded held in an electronic basket
- Valid for 36 months
- Allows for subsequent award by a different sponsor or funding availability
- Reduced timeline for an award
- Basket is accessible at Government Only IWRP site



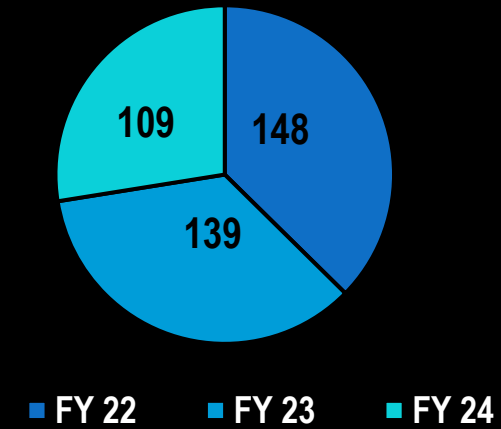
Basket Provision



Basket Proposals that have been Awarded
each Fiscal Year



Basket Proposals Expiring each
Fiscal Year



Proposals Placed in Basket



FY21 Consortium Events



7

Industry Days



35

Topics Presented



2500+

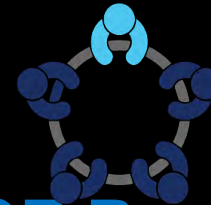
Participants



202

One-on-One Sessions

between Gov't and Consortium Members



8

TCE Roundtable Topic

with 106 Consortium Members attending

IWRP Consortium Events FY21

▼ 13/15 October Industry Day Stats

- 13 Topics presented during QID
- 776 Participants
- 50 One-on-One sessions between Gov't and Consortium Members

▼ 9 December Industry Day Stats

- 7 Topics presented during VID
- 395 Participants
- 34 One-on-One sessions between Gov't and Consortium Members

▼ 3 February Industry Day Stats

- 4 Topics presented during QID
- 347 Participants
- 25 One-on-One sessions between Gov't and Consortium Members

▼ 17 March Industry Day Stats

- 2 Topics presented during out of cycle VID
- 191 Participants
- 14 One-on-One sessions between Gov't and Consortium Members

▼ 14 April Industry Day Stats

- 6 Topics presented during QID
- 246 Participants
- 34 One-on-One sessions between Gov't and Consortium Members
- 1 TCE Roundtable Topic with 19 Consortium Members attending

▼ 23 June Industry Day Stats

- 2 Topics presented during QID
- 309 Participants
- 13 One-on-One sessions between Gov't and Consortium Members facilitated
- 4 TCE Roundtable Topics with 87 Consortium Members attending

▼ 18 August Industry Day Stats

- 241 Participants
- 3 TCE Roundtable Topics with 46 Consortium Members attending

RPPs Awarded Since (8/18/2021)



- 19-LANT-0036 Model Based Systems Engineering (MBSE) Combat Operations Center (CoC) Division
- [20-PAC-0081](#) [Agile Metrics for Program / Project Development](#)
- 20-LANT-0133 Supply Chain Health Assessment
- 20-LANT-0145 Legal and Law Enforcement System
- 21-LANT-0159 Interactive Synthetic Environment (ISE) for Warfighting Development
- 21-LANT-0165 Naval Station Norfolk 5G Architecture Ashore and Afloat
- [21-PAC-0169](#) [JBPHH 5G Initiative Network Test bed](#)
- [21-PAC-0176](#) [AIT Solution for OM&S Inventory](#)
- 21-LANT-0177 Electronic Maneuver Warfare Mobile Module
- 21-LANT-0180 Littoral Combat Ship (LCS) Plan to Perform (P2P)
- 21-LANT-0202 NADIA Root Cause Analysis
- 21-LANT-0203 NADIA Network Management Smart Display
- 21-LANT-0205 Resilient All-domain Testbed Composable Hybrid Environment & Toolset (RATCHET)
- 21-LANT-0207 DON Records Management System

RPPs In Process of Being Awarded Since 08/18/2021



- 18-LANT-004 USMC Multi-Cloud
- 19-LANT-0036 Model Based Systems Engineering (MBSE) Combat Operations Center (CoC) Division
- 20-LANT-0134 AIS on Unmanned Surface Vessels (USV)
- 21-PAC-0163 OUSD 5G Camp Pendleton Infrastructure
- 21-PAC-0164 OUSD 5G Camp Pendleton Applications
- 21-LANT-0165 Naval Station Norfolk 5G Architecture Ashore and Afloat
- 21-LANT-0170 DON Law Enforcement/Investigations Pilot (LE/INVP)
- 21-LANT-0171 Request for Shipboard Testing Solution for Integrated Test Procedures
- 21-PAC-0173 JBPHH 5G Initiative Aircraft Mission Readiness Application
- 21-PAC-0206 Automated Parts Screening and Selection of Additive Manufacturing Candidates

Prototypes in process of being awarded

defined as post evaluation and going through negotiations, costs analysis, or agreement ratification imminent

RPPs Currently in Evaluation



▼ Active Full Proposals in Evaluation

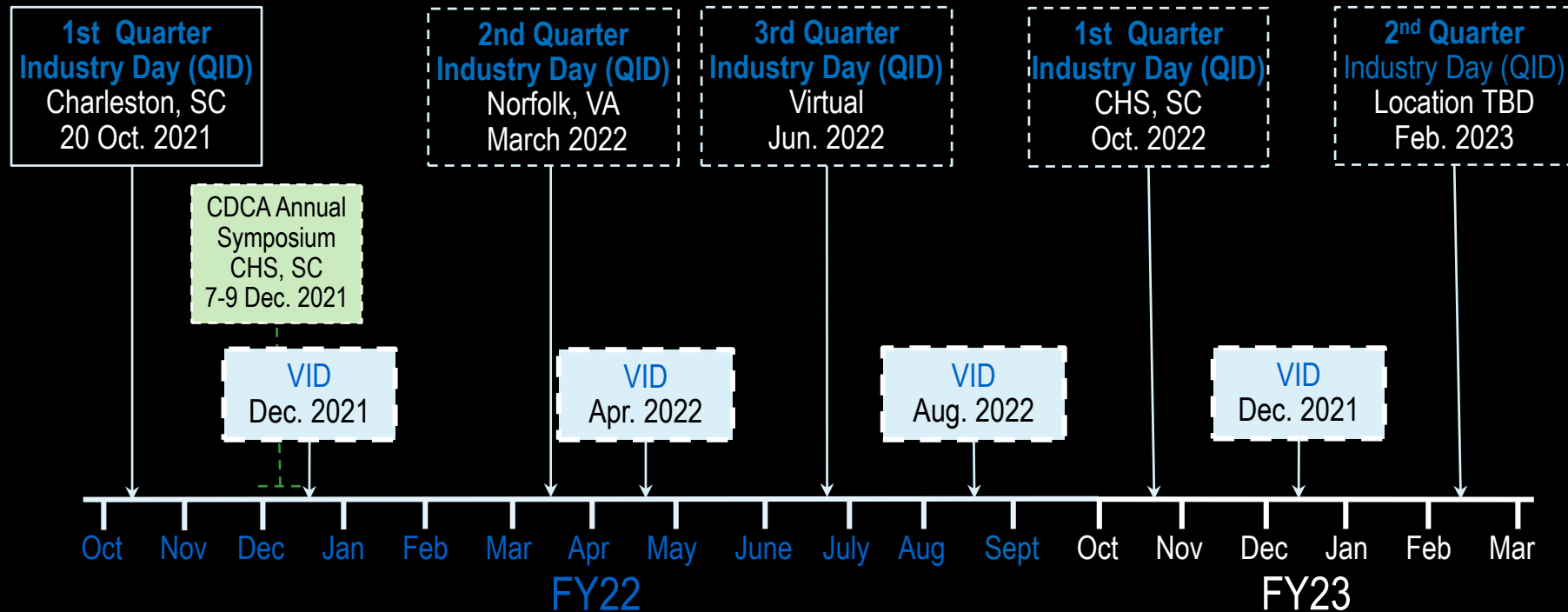
- 21-LANT-0178 Dynamic Interoperability in the Battlespace
- 21-LANT-0179 Maritime Imaging Sensor Text Recognizer Tool (MISTR-T)
- 21-LANT-0209 Project Otterjaws Weather System OTA

▼ Pending Full Proposal Submissions

- 21-LANT-0181 Human Machine Teaming for Tactical Decision Making
- 22-LANT-0212 WRAPPER - Wide Resilient Analytics Performance Platform
Exchange in Real time

FY22 – FY23 Schedule

KEY: Tentative ----- Official —————



Points of Contact

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

NIWC Atlantic

Jee Youn Fickling – Program Manager
lila.fickling@navy.mil

Lisa Rosenbaum – Agreements Officer
lisa.rosenbaum@navy.mil

NIWC Pacific

Mari Garcia-Reynante – IWRP IPT Lead
garcia-reynante@navy.mil

Sharon Pritchard – Agreements Officer
sharon.pritchard@navy.mil

NIWC PACIFIC

- ▼ Mari Garcia-Reynante IWRP IPT Lead
- ▼ Lauryn Hiser IWRP Deputy IPT Lead
- ▼ Sharon Pritchard IWRP Agreements Officer
- ▼ Ryan Daniels Agreements Specialist
- ▼ Brendan Ward Legal Counsel

NIWC ATLANTIC

- ▼ Jee Youn Fickling IWRP Program Manager
- ▼ Max Dillon IWRP Sr. Project Manager
- ▼ Chakila Tillie IWRP Sr. Project Manager
- ▼ Lisa Rosenbaum IWRP Agreements Officer
- ▼ Catharine Teeple IWRP Agreements Specialist
- ▼ David White Legal Counsel



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

the
future
of C4ISR
starts
here

***Naval Information
Warfare Center***



PACIFIC