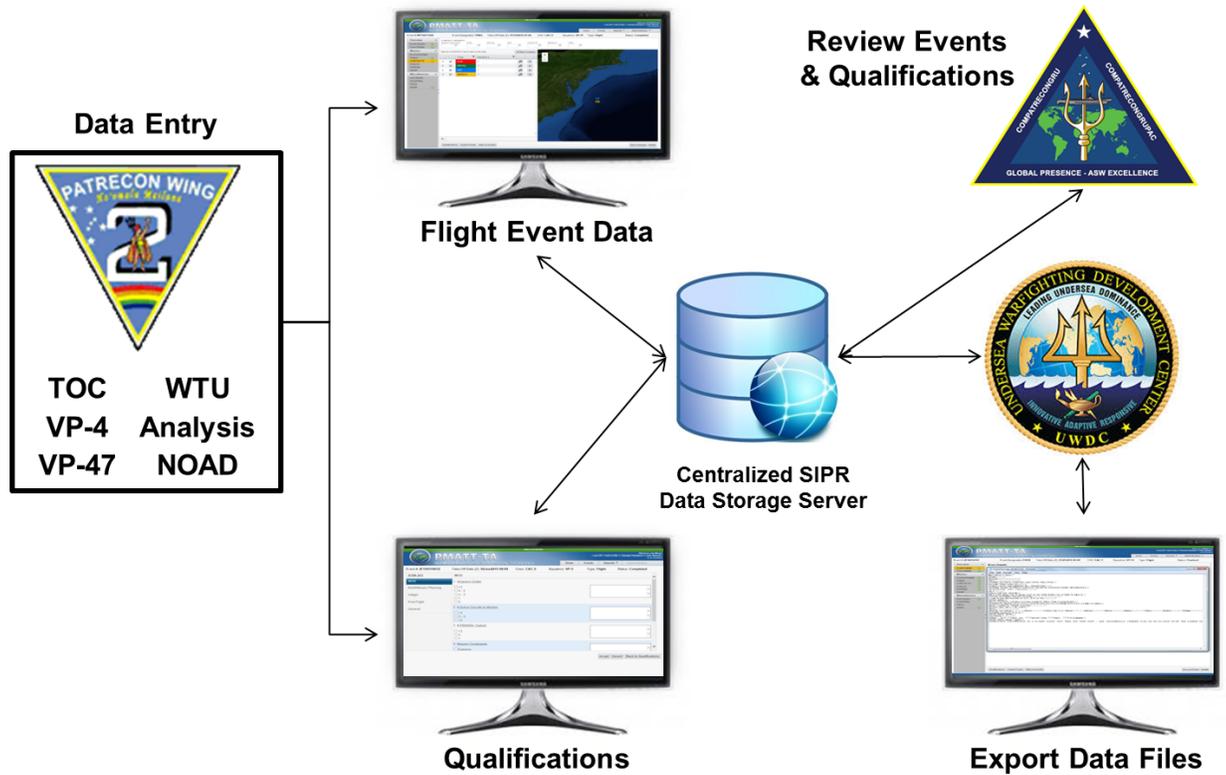


## PMATT-TA CONCEPT OF OPERATIONS (CONOPS)



### SYSTEM OBJECTIVES

PMATT-TA meets multiple objectives for the initial transition community. These objectives are being accomplished through a modular, centrally accessible software solution that provides generalizable capabilities and benefits. The table on the back of this sheet outlines the specific capabilities that allow the objectives to be met.

PMATT-TA SYSTEM	
CAPABILITY	BENEFITS
Administrative Controls	<ul style="list-style-type: none"> <li>Adaptability</li> <li>Information dissemination</li> <li>Easy assignment of authority/autonomy</li> </ul>
Permission Structure	<ul style="list-style-type: none"> <li>Restriction of information access</li> <li>Oversight on qualifications</li> <li>Read-only access to outside parties</li> <li>Single data entry</li> </ul>
Web-based Events Access	<ul style="list-style-type: none"> <li>Time reduces for post mission reporting</li> <li>Improve integration operations centers</li> <li>Better distribution of tactically relevant information</li> </ul>
Automated Performance Measures	<ul style="list-style-type: none"> <li>Diagnostic aircrew performance feedback</li> <li>Standardization</li> <li>Workload reduction</li> </ul>
Qualifications	<ul style="list-style-type: none"> <li>Cross-validation between system and observer</li> <li>Direct link with event data</li> <li>Allows for automation of performance and difficulty measures</li> </ul>
Centralized Database	<ul style="list-style-type: none"> <li>Convenient input and extraction of data</li> <li>Accessibility of stakeholders</li> <li>Real-time analysis</li> </ul>
Reporting	<ul style="list-style-type: none"> <li>Better understanding of readiness gains and losses</li> <li>Multi-level analysis and feedback</li> <li>Easy to interpret output</li> </ul>

## POST MISSION ASSESSMENT FOR TACTICAL TRAINING AND TREND ANALYSIS (PMATT-TA)

Providing a standardized and centralized database of missions and data.

Motivated by statements from the Chief of Naval Operations (CNO), the Commander, Patrol and Reconnaissance Group (CPRG) issued a statement of urgent need, highlighting the desire for Navy products to support tactical and technical proficiency, tracking through substantial knowledge of force-wide trends in training. Further, they called for centralized performance data that includes objective and outcome-based assessments. Grounded in this guidance, the Naval Air Warfare Center Training Systems Division (NAWCTSD) and PMA-205 implemented an incremental approach to development of a web-based, centralized database. The initial technology provides a standardized and centralized database of missions, data and allows key personnel to review and analyze various performance metrics.

**An incremental approach to development of a web-based, centralized database.**



While this technological solution requires manual input by aircrews/training personnel, later iterations will deliver enhancements to include development of automated performance measures linked to the P-8A Wing Training Manual qualification structure.

## PMATT-TA SYSTEM

CAPABILITY	BENEFITS
Administrative Controls	<ul style="list-style-type: none"> <li>• Adaptability</li> <li>• Information dissemination</li> <li>• Easy assignment of authority/autonomy</li> </ul>
Permission Structure	<ul style="list-style-type: none"> <li>• Restriction of information access</li> <li>• Oversight on qualifications</li> <li>• Read-only access to outside parties</li> <li>• Single data entry</li> </ul>
Web-based Events Access	<ul style="list-style-type: none"> <li>• Time reduces for post mission reporting</li> <li>• Improve integration operations centers</li> <li>• Better distribution of tactically relevant information</li> </ul>
Automated Performance Measures	<ul style="list-style-type: none"> <li>• Diagnostic aircrew performance feedback</li> <li>• Standardization</li> <li>• Workload reduction</li> </ul>
Qualifications	<ul style="list-style-type: none"> <li>• Cross-validation between system and observer</li> <li>• Direct link with event data</li> <li>• Allows for automation of performance and difficulty measures</li> </ul>
Centralized Database	<ul style="list-style-type: none"> <li>• Convenient input and extraction of data</li> <li>• Accessibility of stakeholders</li> <li>• Real-time analysis</li> </ul>
Reporting	<ul style="list-style-type: none"> <li>• Better understanding of readiness gains and losses</li> <li>• Multi-level analysis and feedback</li> <li>• Easy to interpret output</li> </ul>

## STATUS UPDATE

The technology was deployed to the Maritime Patrol Community personnel in Kaneohe Bay, HI (CPRW-2, JUN2015 & SEP2015), Whidbey Island, WA (CPRW-10, JAN2016), and Jacksonville, FL (CPRW-11, MAY2016); deployed squadrons are assessing a transition plan for a full community transition in FY17.

## PARTNERS

This is a collaborative effort involving:

- Naval Air Systems Command (NAVAIR) Program Management Office (PMA-205 AWTG)
- Naval Air Warfare Center Training Systems Division (NAWCTSD)
- Commander, Patrol Reconnaissance Group (CPRG)/CPRW/VP/TOCs/MTOCs
- NAVAIR Small Business Innovative Research (SBIR) Program
- NAVAIR CTO-Section 219 NISE
- PMA-290
- ONR RIF Program

The work discussed involves a collaborative team of researchers in the government, military, and industry.

