



INNOVATIVE READINESS TRAINING

Manpower & Reserve Affairs | Department of Defense

irt.defense.gov | osd.irt@mail.mil

2020 IRT Summary

This summary was prepared for the Office of Manpower & Reserve Affairs.

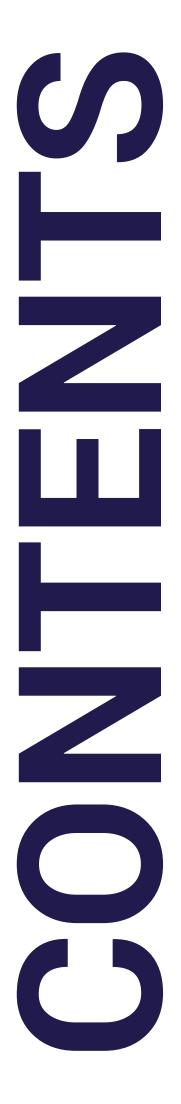
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Cover photo credit:

TINIAN, Northern Mariana Islands (Oct. 20, 2020)

Construction Mechanic 3rd Class Brandon Block,
deployed as the Seabee expeditionary construction
and engineering capability of Task Force 75,
conducts a final inspection on the 120M motor grader
in support of Marpo Heights Road G construction in Tinian.
Photo by Petty Officer 2nd Class Cole Pielop.





ABOUT IRT

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LOOKING FORWARD

18 Impact in 2021



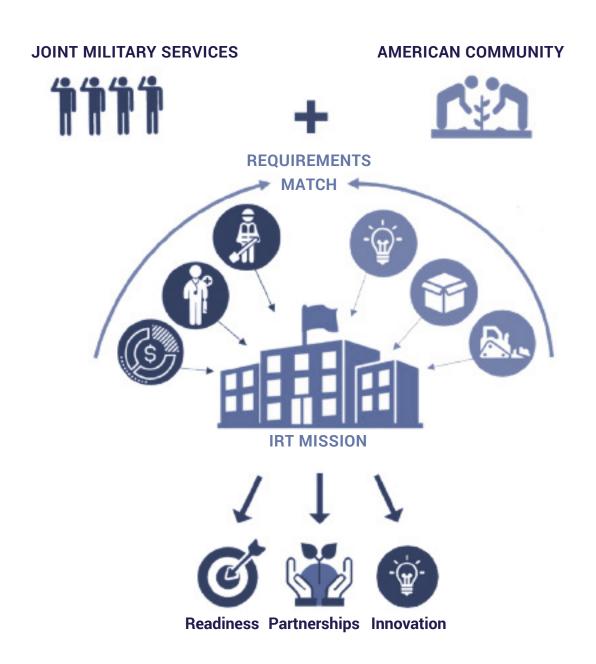


"IF IT WASN'T FOR IRT, THESE PATIENTS COULD HAVE GONE UNDIAGNOSED AND, AT SOME POINT, THE RESULTS COULD HAVE BEEN CATASTROPHIC. IF THOSE WERE THE ONLY TWO PATIENTS WE SAW, IT WOULD HAVE BEEN WORTH IT BUT WE ALSO PROVIDE CARE FOR AN ADDITIONAL 5,000 OTHER FOLKS."

FY20 IRT Champion of the Year

September 2020

IRT Concept and Value



IRT is a collaborative program that leverages military contributions and community resources to multiply value and cost savings for participants. Communities typically provide materials and basic services (e.g., facilities), while military units contribute personnel and training resources. IRT missions produce mission-ready forces, civil-military partnerships, and stronger communities.

MISSION

To produce mission-ready forces through military training opportunities that provide key services for American communities.

VISION

A secure and prosperous America supported by strong civil-military relations.

GOALS

Restored Military Readiness

Provide hands-on, real-world training to improve readiness and survivability in contingency environments.

Strengthened Partnerships

Strengthen and build new partnerships with culturally complex populations, including in remote areas.

Innovative Resource Management

Leverage military contributions and community resources to multiply value and cost savings for participants.

2D LT ERIC ARNOLD, AIR NATIONAL GUARD 172D CIVIL ENGINEER SQUADRON IRT CAMP KAMASSA

"LT ARNOLD DISPLAYED OUTSTANDING LEADERSHIP DURING THE CAMP KAMASSA IRT MISSION. HE LED CRITICAL TRAINING FOR A JOINT FORCE OF 99 SERVICE MEMBERS THROUGH TIMELY COMPLETION OF CONSTRUCTION ACTIVITY DURING THE MISSION. LT ARNOLD ALSO LED A LARGE EFFORT TO REPURPOSE 6,000 N95 FACE MASKS TO MEDICAL FACILITIES ACROSS THE COMMUNITY DURING THE COVID-19 PANDEMIC. LT ARNOLD'S UNRIVALED LEADERSHIP LED TO OVER \$150,000 IN COST SAVINGS TO THE COMMUNITY PARTNER."

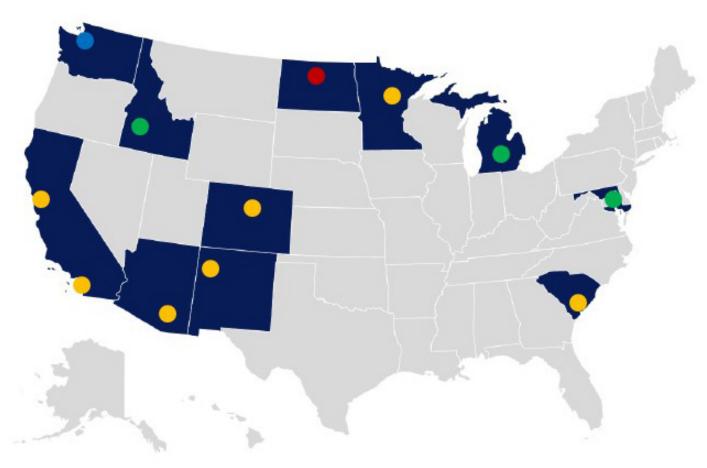
FY20 IRT Leader of the Year

September 2020

Looking Back

IMPACT IN 2020

The Services led **12** IRT missions in communities across the United States. This included **6** OSD-funded missions and **6** non-OSD-funded missions.



AERIAL SPRAY MISSION



1

CONSTRUCTION MISSIONS



CYBERSECURITY MISSIONS



3

DIVE MISSION



Looking Back

IRT IN THE AGE OF COVID

We all know that last year has been different in so many ways because of the coronavirus. Amidst the challenges of a global health pandemic in FY 2020, IRT and its participants reflect on the value of training and partnerships forged during this time.

IRT and its community partners faced tough decisions in the interest of safety measures driven by mandatory social distancing and restrictions on travel and gatherings. Some missions were

cut short, delayed, or canceled—a reality unlike any other in IRT's nearly 28-year history. Yet, several missions endured when safety measures were possible and practical. The pages that follow highlight successful outcomes that IRT achieved despite the challenges brought on by the COVID-19 pandemic. Service Members across all Guard, Reserve, and Active duty components of the departments of the Army, Navy, and Air Force gained invaluable training through planning meetings, site surveys, mission execution, and lessons-learned activities.



Photo | MSG Janice Johnson

Another highlight of FY 2020 was IRT's ability to help prevent the spread of the virus. The IRT Medical Consumables Site based out of Joint Base McGuire-Dix-Lakehurst in New Jersey stepped up to the plate by repurposing more than 4 tons of medical supplies to help address the nation's critical shortfall. "This has been the

Summary of Class VIII Supplies Contributed	
Contents	
330,500 17,500 7,770 900 550 244 192	patient protective gloves procedural masks isolation gowns latex gloves bottles of hand sanitizer bottles of disinfectant wipes cans of hospital-grade disinfectant
Totals	
8,765 19	lbs. of medical supplies pallets worth of delivery

most profoundly rewarding assignment in my 31-year career," said Master Sgt. Janice Johnson, Senior Medical NCO. As IRT steps into the months ahead with a renewed sense of optimism, IRT continues to exercise caution and require adherence to established health guidelines for the safety and success of all mission participants and partners.

New and recurring civil-military partnerships in FY 2021 will build upon IRT's 2020 successes. (see FY 2021 mission map on page 18). These opportunities will continue to create lasting value, remaining true to IRT's commitment: to supply mission-ready forces through military training to deliver key services within American communities.

Looking Back SNAPSHOT OF THE SERVICES



Department of the Army

OSD INVESTMENT: \$2.7 MILLION





U.S. ARMY NATIONAL GUARD

- Program Manager: CPT Jason Schwartz
- Funds Invested by Army National Guard: None
- Missions Fully Completed: 0
- Missions Partially Completed due to COVID-19: 8



U.S. ARMY RESERVE

- Program Manager: CPT Jessica Campbell
- Funds Invested by Army Reserve: \$289,000
- Missions Fully Completed: 1
- Missions Partially Completed due to COVID-19: 7



U.S. ARMY

- Program Manager: CPT Jessica Campbell
- Funds Invested by U.S. Army: None
- Missions Fully Completed: 1
- Missions Partially Completed due to COVID-19: 0

Looking Back

SNAPSHOT OF THE SERVICES



Department of the Navy

OSD INVESTMENT: \$5.8 MILLION





U.S. MARINE CORPS FORCES RESERVE

- Program Manager: Maj Andrew Chrestman
- Funds Invested by Marine Corps Reserve: \$293,683
- Missions Fully Completed: 2
- Missions Partially Completed due to COVID-19: 4



U.S. MARINE CORPS

- Program Manager: Maj Andrew Chrestman
- Funds Invested by U.S. Marine Corps: \$209,267
- Missions Fully Completed: 2
- Missions Partially Completed due to COVID-19: 0



U.S. NAVY RESERVE

- Program Manager: CDR Kent Bubel
- Funds Invested by Navy Reserve: None
- Missions Fully Completed: 1
- Missions Partially Completed due to COVID-19: 4



U.S. NAVY

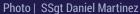
- Program Manager: CDR Kent Bubel
- Funds Invested by Navy Reserve: \$1,792,074
- Missions Fully Completed: 0
- Missions Partially Completed due to COVID-19: 6

Looking Back



Department of the Air Force

OSD INVESTMENT: \$10.7 MILLION





U.S. AIR NATIONAL GUARD

- Program Manager: Lt Col Andrew Adamich
- Funds Invested by Air National Guard: \$75,516
- Missions Fully Completed: 4
- Missions Partially Completed due to COVID-19: 8



U.S. AIR FORCE RESERVE

- Program Manager: Lt Col Joshua Furby
- Funds Invested by Air Force Reserve: \$506,068
- Missions Fully Completed: 2
- Missions Partially Completed due to COVID-19: 9



U.S. AIR FORCE

- Program Manager: Lt Col Andrew Adamich
- Funds Invested by U.S. Air Force: None
- Missions Fully Completed: 0
- Missions Partially Completed due to COVID-19: 4

STAFF SERGEANT MATTHEW HAWKINS,

MARINE CORPS RESERVE 6TH ENGINEER SUPPORT BATTALION IRT CAMP KAMASSA

"I FIRST GOT INVOLVED WITH INNOVATIVE READINESS TRAINING (IRT) MISSIONS AT CAMP HINDS IN 2016 SUPPORTING THE CONSTRUCTION OF A BOY SCOUT CAMP IN MAINE. I HAVE SINCE TRIED TO SEIZE THE OPPORTUNITY TO BE A PART OF EVERY IRT MISSION THAT IS PRESENTED TO THE MARINE CORPS. I BELIEVE THAT THE IRT PROGRAM IS AN INVALUABLE ASSET AND TOOL TO **BUILD RELATIONS AND PROVIDE** RESOURCES TO THE COMMUNITY WHILE PROVIDING VALUABLE TRAINING WITH A PURPOSE TO THE MARINES."

FY20 IRT Champion of the Year

September 2020



IRT Mission: Cleveland National Forest

Spring 2020 | California



Photo | Sgt. Maximiliano Rosas

Active duty marines from the 7th Engineer Support Battalion from Camp Pendleton, California, participated in the Cleveland National Forest IRT mission on June 1-5. This mission partnered with the U.S. Forest Service (USFS) to demolish 11 man-made dams. With leadership from First Lieutenant Sean Cooper, the 25 Service Members form a specialized detachment as a crisis response task force under the Special Purpose Marine Air-Ground Task Force. The austere conditions and unknown environment of this mission simulated real operations, contributing to their certification for deployment across the globe. These conditions presented a unique opportunity to train in an unfamiliar location, without the benefit of known range design and layout, while doubling the number of demolition certifications held by the participating unit. Oher bolstered skill sets included engineer reconnaissance, area clearing operations, and lane creation through obstacles. Through this training, the marines gained an accurate assessment of their abilities, unit confidence was bolstered. and deployment readiness increased while the USFS saved an estimated \$200,000 in demolition expenses. The long-term positive effect of this training activity is the restoration of natural hydrological patterns to the region, resulting in a more natural migration pattern for the southern steelhead trout.

HIGHLIGHTS

Lead Service: Active Duty Marine Corps

Community Partner: U.S. Forest Service

200+ training hours accomplished by 25 Service Members demolishing 11 dams in 5 days

Julie Donnell Fish Biologist U.S. Forest Service

"It's been an honor to partner with these incredibly skilled and talented men and women on a project that has such a

meaningful impact to the forest and downstream ecosystems."



Photo | Julie Donnell



IRT Mission: Mare Island Cemetery

Fall 2020 | California



Photo | Sgt. Kenneth Burkhart

Soldiers from the 801st Engineer Construction Company Vallejo, California, and the 322nd Engineer Vertical Construction Company, Sloan, Nevada, and senior leaders from the 416th Theater Engineer Command staff in Darien, Illinois, partnered with the City of Vallejo for an IRT mission to restore the Mare Island Naval Cemetery after nearly 30 years of disrepair.

The challenging restoration of this 2.5 acre cemetery enabled varied civil engineering training for the Soldiers, including cutting down trees and overgrowth, restoring and cleaning of headstones, repairing the drainage system, and fixing the perimeter retaining wall. These efforts enabled restoration of hallowed grounds not otherwise eligible for such repair due to local budgetary constraints.

This historic cemetery is the final resting place for three Medal of Honor recipients and the daughter of Francis Scott Key, lyricist of the Star-Spangled Banner. The cemetery may be designated a National Historic Landmark, with members of both the House and Senate introduced to turn the cemetery over to the National Cemetery Administration, part of the Department of Veterans Affairs, for perpetual care and maintenance.

HIGHLIGHTS

Lead Service: Army Reserve

Community Partner: City of Vallejo

3,020 training days
accomplished by 153
Service Members
restoring 2.5 acres of
overgrown and heavily
eroded cemetery grounds





"Where it is today is a definite change and a respectful change for those who have been buried here."

Photo | Source: Vallejo Times-Herald Online, Accessed March 2021



IRT Mission: Deep Water Derelict Net Removal

Summer 2020 | Washington



Photo | 86th Engineer Dive Detachment

On July 6-24, Puget Sound hosted 18 divers from the U.S. Army's 86th Engineer Detachment to continue the great work of the 569th Engineer Detachment from the previous year's IRT mission. This recurring partnership with the Washington State Department of Natural Resources made the success of this second iteration of the Deep Water Derelict Net Removal IRT mission possible despite the ongoing COVID-19 pandemic. The temperate, current patterns, water depth, and rocky geography simulated the essential condition types for the progression of individual divers, supervisors, master divers, and diving officers. This training is difficult to replicate elsewhere. This single mission was equivalent to dive detachment rotations required for deployment and operational conduct to meet multiple mission essential tasks. The 195 deep water derelict fishing net remnants throughout Puget Sound date to as far back as the 1950s. Across 53 target sites, the divers from the 86th Engineer Detachment braved the 50-degree water, plunging to depths of more than 100 feet to recover netting from the aquatic moonscape of the seafloor. They successfully recovered four gill nets totaling 3,562 square feet of rocky habitat and two lines measuring 1,543 feet.

HIGHLIGHTS

Lead Service: Active U.S. Army

Community Partner: Washington State Department of Natural Resources

2,592 training hours accomplished by 17 Service Members removing derelict fishing net from Puget Sound in 18 days

Sergeant First Class Brandon Laspe 86th Engineer Dive Detachment

"Our peacetime and wartime mission is essentially the same. Every mission we execute benefits local populations, military populations, or the environment; this provides a level of dedication and fulfillment you aren't likely to find anywhere else."



IRT Mission: Operational Resilience

Summer 2020 | Michigan



Photo | Heide Couch

Last summer, 21 Michigan Air National Guard airmen from the 272nd Cyber Operations Squadron (COS) partnered with the State of Michigan Department of Technology, Management & Budget (DTMB) to perform intelligence-driven hunt operations on the critical host and network devices that run the Advanced Traffic Management System (ATMS) throughout Michigan. The ATMS supplies real-time video traffic information for major roadways, controls, and highways, enabling rapid response in the case of emergencies for 9.8 million Michigan travelers on their daily commutes.

The 13 cyber threat hunts assessed the advanced persistent threats of industry-defined tactics, techniques, and procedures. Operators discovered eight medium-to-high risk vulnerabilities and recommended mitigation for each. Operation Resilience resulted in the creation of numerous new processes, procedures, and an official memorandum of understanding between the 272nd COS and DTMB. The partnership with and services of the 21 airmen resulted in an estimated \$420,000 benefit to the State of Michigan.

HIGHLIGHTS

Lead Service: Air National Guard

Community Partner: State of Michigan

249 annual training requirements accomplished by 21 Service Members conducting cybersecurity operations on critical network infrastructure

Capt Rick Frantz Officer in Charge 272 Cyber Operations Squadron

"Operation Resilience proved to be a high-value IRT engagement with State of Michigan partners that set the foundation for future training engagements."

CITY OF UNALASKA, QAWALANGIN TRIBE & 351ST CIVIL AFFAIRS COMMAND, FUNCTIONAL SPECIALTY TEAM

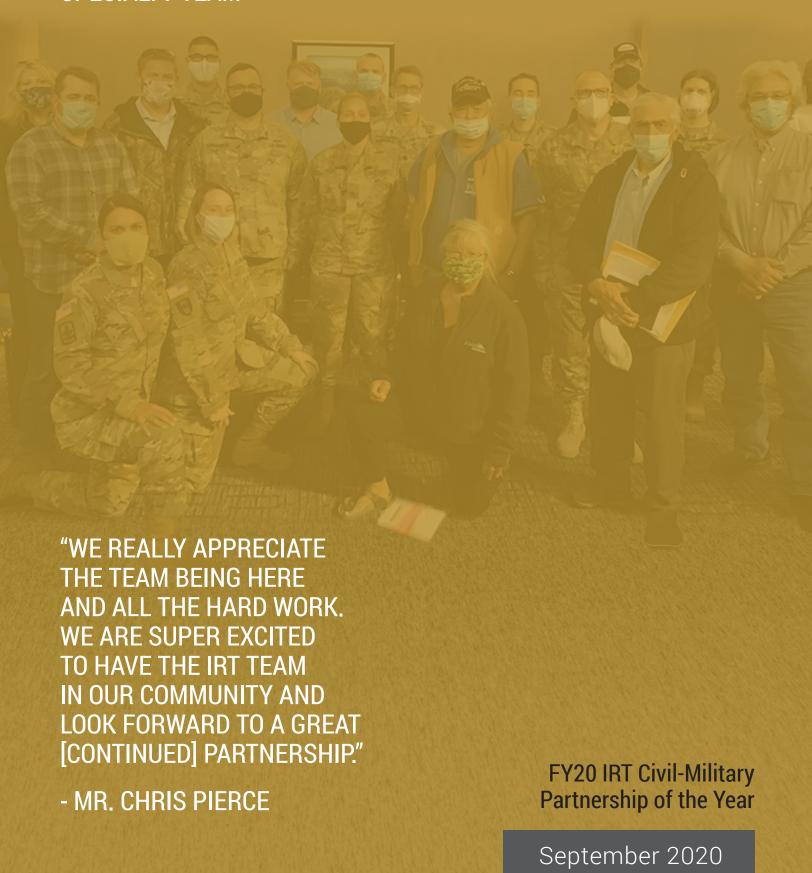


Photo | Courtesy Photo

2020 JOINT WORKSHOP FOR OPERATIONAL MISSION PLANNERS



This past September IRT brought together 110 mission planners and key personnel from 75 units across all Services and the community for the fifth annual Joint Workshop for Operational Mission Planners. Individuals from 27 states and territories attended the first 100% virtual workshop, which offered training to FY 2021 mission participants and planners. Attendees met with their program managers, networked across service components, and

gained invaluable knowledge as they built their teams in preparation for upcoming missions throughout the United States and its territories. During the 3-day workshop, participants celebrated a successful FY 2020 mission year despite the COVID-19 pandemic while learning about tools and resources to further operational excellence in FY 2021. Training activities comprised 19.5



Snapshot of IRT virtual workshop participants

hours distributed across more than 35 unique sessions, which included breakout sessions, lessons-learned panels, planning briefings, and team-building exercises.

Final: What was your overall impression of the workshop?

future fantasticday improved (such zoom pulling done second coordination professionally possibly involved breakouts) pull level work care discussion normally educational serve am goodprogram going fun outstanding serve am serve am goodprogram going fun outstanding thankhard individual put to serve am serve am serve am goodprogram going fun outstanding smaller addition of times organized of times organized of times organized of the formattogether of the first amazing absolutely keeps efficient moderate of the first amazing amazin

Overall feedback from the 110 Workshop participants

2020 Highlights





17 Service Members trained

17 training requirements accomplished

493 training days

\$876,000 total Continuing Education (CE) value



153 Service Members trained

5 training requirements acomplished

3,020 training days

1M+ total square feet of grounds restoration



73 Service Members trained

6 training requirements accomplished

2,285 training days

\$270,000 total CE value



U.S. MARINE CORPS RESERVE

9 Service Members trained

8 training requirements accomplished

63 training days

\$50,000 total CE value



95 Service Members trained

5 training requirements accomplished

1,593 training days

\$370,000 total CE value



37 Service Members trained

434 training requirements accomplished

307 training days

\$420,000 total cybersecurity value



34 Service Members trained

246 training requirements accomplished

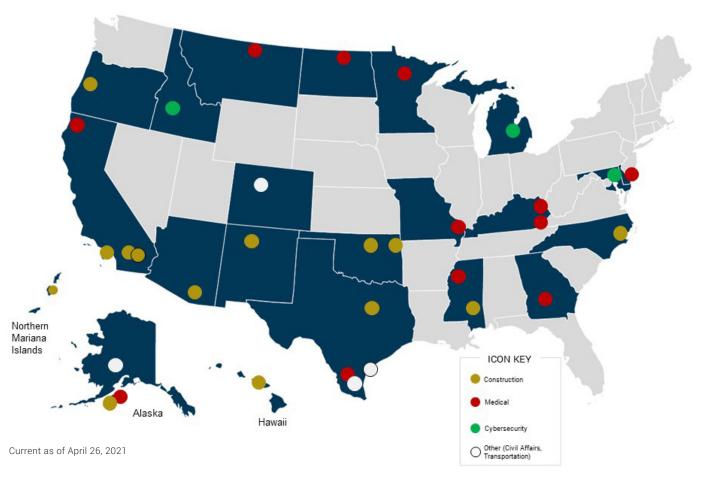
265 training days

\$135,000 total CE value

Looking Forward

IMPACT IN 2021

The Services are leading **33** IRT missions in communities across the United States.













Get Social with IRT

Connect with IRT on social media to follow our FY2021 journey and learn more about amazing military training taking place across the country. We hope you will join us in future years!



https://irt.defense.gov/











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IRTs Win

@irtswin

Coming in 2021:



Photo | 1st Lt Andrew Layton



Photo | Staff Sgt. Bethany Rizor



Photo | Sgt. Maximiliano Rosas



Photo | Mass Communications Specialist 1st Class David Crawford







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