

ARMY, MARINE CORPS, NAVY, AIR FORCE, SPACE FORCE



MTTP CATALOG

MULTI-SERVICE
TACTICS, TECHNIQUES,
AND PROCEDURES
CATALOG

2025



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MULTI-SERVICE TACTICS, TECHNIQUES, AND PROCEDURES

ALSSA CENTER

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AIR LAND SEA SPACE APPLICATION CENTER

114 Andrews St.
Hampton, VA
23665-2700



ALSSA.Center



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ALSSAinfo@army.mil

ALSSA MISSION

Mission Statement

ALSSA provides multi-Service solutions for tactical warfighters by filling gaps in existing tactics, techniques, and procedures (TTP) to improve near-term interoperability and lethality.

Intent

ALSSA succeeds through professional networking, collaborative tools, digital/printed media, and other methods that facilitate engagement with joint warfighters. Adaptability, credibility, and speed are pillars of ALSSA's organizational culture.

Risk

The principal risk to ALSSA's mission is the erosion of the symbiotic relationship with joint warfighters which diminishes the credibility, relevance, and effectiveness of ALSSA solutions to joint interoperability gaps.

End State

ALSSA strives to provide the joint force unencumbered access to TTP solutions that increase interoperability and lethality via timely updates and multiple information pathways.

ABOUT ALSSA

The Air Land Sea Space Application (ALSSA) Center is a multi-Service organization that writes multi-Service tactics, techniques, and procedures (MTTP) for joint warfighters at the tactical level to fill gaps in joint and Service doctrine. ALSSA has a complement of fourteen action officers and twenty-four total personnel managing a library of thirty publications.

ALSSA was originally founded as Air Land Forces Agency (ALFA) in 1975 in response to gaps in integration between the Air Force and Army during Air-Land Battle in the Vietnam War. By 1992, the Navy and Marine Corps had assigned liaison billets to ALFA and the name became the Air Land Sea Application (ALSA) Center. Oversight of ALSA was then transferred to the Service Doctrine Directorates (SDDs) to allow for collaboration and quick coordination at a level below the Joint Staff, while still allowing ALSA to maintain joint duty billets. Finally, in 2022, Space Force was added into ALSA making it the ALSSA Center as it is known today.

This relationship with the SDDs allows ALSSA to rewrite MTTP in a twelve-month cycle, rapidly deploying emerging tactics and procedures to the field. These MTTP are validated and approved by the Commanders and Directors of the Service Doctrine Centers: USAF LeMay Center for Doctrine Development and Education; USA Mission Command Center of Excellence; USN Navy Warfare Development Center; USMC Training and Education Command; and USSF Delta 10.

ALSSA HISTORY

- 1973: CSAF (Gen Brown) and CSA (GEN Abrams) initiated the TAC-TRADOC Dialog to increase joint coordination and interoperability
- 1975: HQ TAC and HQ TRADOC established a joint directorate, Air-Land Forces Application (ALFA), for development of joint concepts, doctrine, and procedures for the conduct of the Air-Land Battle
- 1992: MCCDC and LANTFLT assigned permanent billets to ALFA ... became ALSA
- 1997: ACC and TRADOC transfer organizational oversight responsibilities to respective doctrine centers
- 2006: ALSA developed several new MTTP in support of COIN doctrine
- 2022: Services voted to include Space Force. ALSA became Air Land Sea Space Application (ALSSA)



**Air-Land Forces
Application (ALFA)
Agency 1975**



**Air Land Sea Application
(ALSA) Center 1992**



**Air Land Sea Space
Application (ALSSA)
Center 2022**

MTTP CATALOG

Short Title	MTTP	Air Force	Army	Navy	Marine Corps	Space Force ¹
Advising	Advising Foreign Security Forces	X	X	X	X	
ACC	Air Control Communication	X	X	X	X	
Airfield Opening	Airfield Opening	X	X	X	X	
AC	Airspace Control	X	X	X	X	X
ATSRE	Air-to-Surface Radar Employment	X	X	X	X	
AMD	Air and Missile Defense	X	X	X	X	X
AOMSW	Air Operations in Maritime Surface Warfare	X	X	X	X	
AUO	Aviation Urban Operations	X	X	X	X	
Biometrics	Tactical Employment of Biometrics in Support of Operations	X	X	X	X	
Brevity	Multi-Service Brevity Codes	X	X	X	X	X
CF-SOF	Conventional Forces and Special Operations Forces Integration, Interoperability, and Interdependence ²	X	X	X	X	X
DSCA	Defense Support of Civil Authorities ³	X	X	X	X	
DT	Dynamic Targeting	X	X	X	X	X
EO	Explosive Ordnance	X	X	X	X	
FI	Fighter Integration	X		X	X	

MTTP CATALOG

Short Title	MTTP	Air Force	Army	Navy	Marine Corps	Space Force ¹
Forensics	Expeditionary Forensics ³	X	X	X	X	
ISR-O	Intelligence, Surveillance, and Reconnaissance Optimization	X	X	X	X	X
JFIRE	Joint Application of Firepower	X	X	X	X	X
JSEAD	Joint Suppression of Enemy Air Defenses	X	X	X	X	X
Kill Box	Kill Box Planning and Employment	X	X	X	X	
Military Diving	Military Diving ³	X	X	X	X	
NLW	Employment of Nonlethal Weapons ³	X	X	X	X	
Op Assessment	Operation Assessment	X	X	X	X	X
PR	Personnel Recovery	X	X	X	X	X
SCAR	Strike Coordination and Reconnaissance	X	X	X	X	
Survival	Survival, Evasion, and Recovery	X	X	X	X	X
TCO	Tactical Convoy Operations	X	X	X	X	
Tac Radios	Tactical Radios	X	X	X	X	
TAGS	Theater Air-Ground System	X	X	X	X	

Notes:

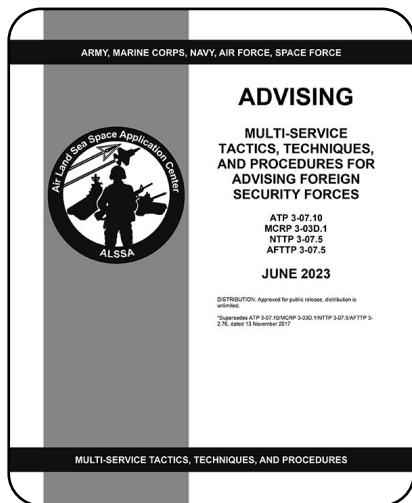
- Space Force was integrated into ALSSA in 2022 and has requested to be a signatory of the above publications.
- CF-SOF is also signed by US Special Operations Command.
- These MTTP are also signed the US Coast Guard.

ADVISING FOREIGN SECURITY FORCES

USA—ATP 3-07.10
USMC—MCRP 3-03D.1
USN—NTTP 3-07.5
USAF—AFTTP 3-2.76

History:

2009—First Published
2014—Revision 1
2017—Revision 2
2023—Revision 3



Advising is one of ALSSA's priority publications and is on an expected 3-year revision cycle.

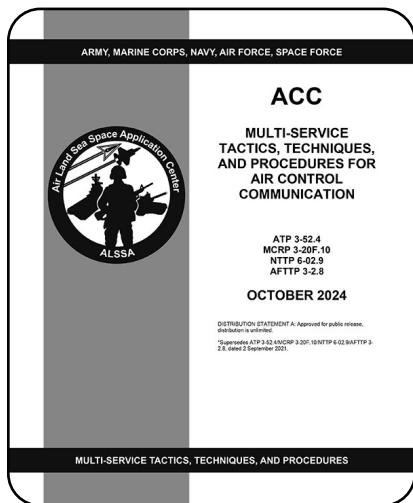
This MTTP assists in advising foreign security forces (FSF). It serves as a reference to ensure coordinated multi-Service operations for planners and operators preparing for and conducting advisor team missions. This MTTP publication provides units and personnel advising FSF with viable TTP so they can successfully plan, train for, and carry out their mission. Material regarding advising is found in joint and Service doctrine regarding treatment of security cooperation, foreign internal defense, counter-insurgency, security force assistance, and unconventional warfare. This MTTP publication provides guidance that enhances the activities of some advisor functions and improves inter-Service coordination for this joint mission.

AIR CONTROL COMMUNICATION

USA—ATP 3-52.4
USMC—MCRP 3-20F.10
USN—NTTP 6-02.9
USAF—AFTTP 3-2.8

History:

2020—First Published
2021—Revision 1
2024—Revision 2



ACC is one of ALSSA's priority publications and is on an accelerated 2-year revision cycle.

This publication establishes communications tactics, techniques, and procedures (TTP) for tactical command and control (TAC C2) to manage air operations and control airspace and aircraft. It establishes TTP for force packaging and direct air support coordination, air-to-air communication, intercept, threat warning, threat surface-to-air warning, and air-to-surface communication.

AIRFIELD OPENING

USA—ATP 3-17.2
USMC—MCRP 3-20B.1
USN—NTTP 3-02.18
USAF—AFTTP 3-2.68

History:

2007—First Published
2015—Revision 1
2018—Revision 2
2024—Revision 3



Airfield Opening is one of ALSSA's priority publications and is on an expected 3-year revision cycle.

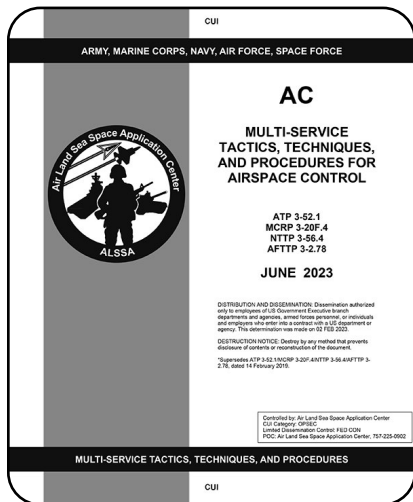
This publication supports operational commanders and staffs by establishing tactics, techniques, and procedures (TTP) for airfield opening. This publication provides guidance for operational commanders and staffs on opening and transferring an airfield. It contains information on Service capabilities, planning considerations, airfield assessment and surveys, opening the airfield, and transitioning the airfield in all operational environments.

AIRSPACE CONTROL

USA—ATP 3-52.1
USMC—MCRP 3-20F.4
USN—NTPP 3-56.4
USAF—AFTTP 3-2.78

History:

2009—First Published
2015—Revision 1
2019—Revision 2
2023—Revision 3



Airspace Control is one of ALSSA's priority publications and is on an expected 3-year revision cycle.

This publication for airspace control is a single source, descriptive reference guide to facilitate multi-Service coordination, integration, and control of airspace during exercises, contingencies, and other operations where Service components must share airspace for operational use.

AIR-TO-SURFACE RADAR EMPLOYMENT

USA—ATP 3-55.6

USMC—MCRP 2-10A.4

USN—NTTP 3-55.13

USAF—AFTTP 3-2.2

History:

1996—First Published
(JSTARS)

2003—Revision 1

2006—Revision 2

2012—Revision 3 (ATCARS)

2015—Revision 4

2023—Revision 5

ATSRE is one of ALSSA's publications under evaluation for MTTP 2025 and has no expected revision timeline as of October 2023.

This publication provides procedures for employing air-to-surface radar systems, in the joint operations area, to detect targets, support intelligence production, and coordinate attack or reconnaissance on those targets. It also covers theater-level, air-to-surface radar systems and discusses system capabilities and limitations when performing airborne command and control; wide-area surveillance for near-real-time targeting and target development; and processing, exploiting, and disseminating collected target data.



AIR AND MISSILE DEFENSE

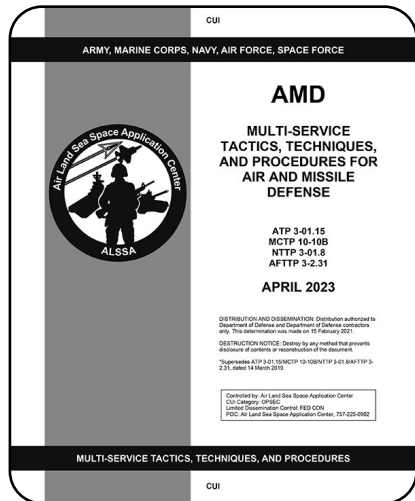
USA—ATP 3-01.15
USMC—MCTP 10-10B
USN—NTTP 3-01.8
USAF—AFTTP 3-2.31

History:

2004—First Published (IADS)
2009—Revision 1
2014—Revision 2 (Ch 1 2015)
2019—Revision 3 (AMD)
2023—Revision 4

AMD is one of ALSSA's priority publications and is on an expected 3-year revision cycle.

This publication provides TTP for planning and executing air and missile defense operations. Additionally, it provides warfighters and planners with a single-source reference for Service-specific air and missile defense capabilities and limitations. It also includes considerations for planning, coordinating, integrating, and employing air and missile defense systems for the joint force commander and those subordinate commanders providing assets in support of theater operations. It serves as a reference for Service-specific defense capabilities and limitations and equips the warfighter with an understanding of each Service's systems.

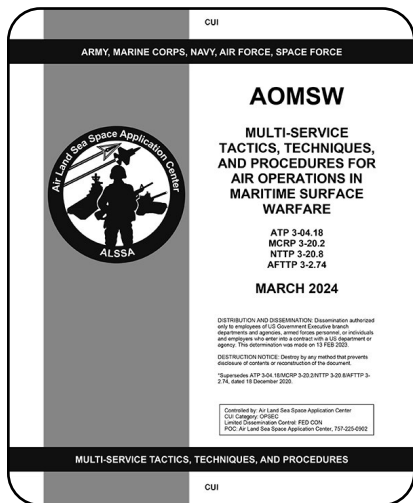


AIR OPERATIONS IN MARITIME SURFACE WARFARE

USA—ATP 3-04.18
USMC—MCRP 3-20.2
USN—NTTP 3-20.8
USAF—AFTTP 3-2.74

History:

2008—First Published
2014—Revision 1
2016—Revision 2
2020—Revision 3
2024—Revision 4



AOMSW is one of ALSSA's routine publications and is on an expected 5-year revision cycle.

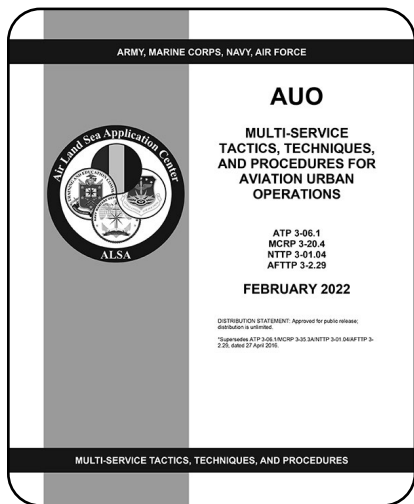
This publication consolidates the Services' best tactics, techniques, and procedures for missions involving air assets conducting maritime surface warfare (SUW). The objective is to enable seamless integration of joint air assets conducting maritime SUW. This publication lays the foundation for integrating forces in either preplanned or dynamic scenarios and strives to simplify interoperability. It emphasizes checklists, check-in formats, aircraft capabilities, and weaponizing guidance to engage maritime surface vessels.

AVIATION URBAN OPERATIONS

USA—ATP 3-06.1
USMC—MCRP 3-20.4
USN—NTTP 3-01.04
USAF—AFTTP 3-2.29

History:

2008—First Published
2014—Revision 1
2016—Revision 2
2022—Revision 3



AUO is one of ALSSA's routine publications and is on an expected 5-year revision cycle.

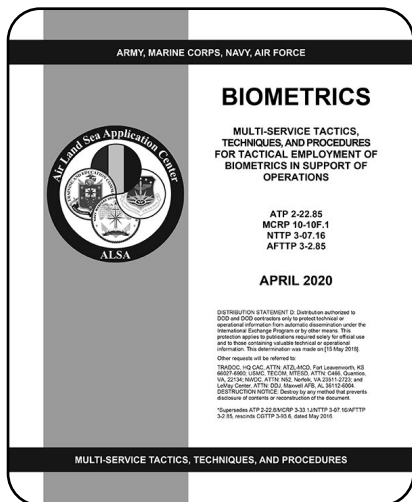
This manual is a tactical-level document for planning and conducting aviation operations in an urban environment. This publication complements established doctrine and provides a single-source reference to assist aviation and ground personnel in planning and executing tactical aviation support to urban operations. It promotes an understanding of the complexities of urban terrain, incorporating lessons learned.

TACTICAL EMPLOYMENT OF BIOMETRICS IN SUPPORT OF OPERATIONS

USA—ATP 2-22.85
USMC—MCRP 10-10F.1
USN—NTPP 3-07.16
USAF—AFTTP 3-2.85

History:

2014—First Published
2016—Revision 1
2020—Revision 2



Biometrics is one of ALSSA's publications under evaluation and the last revision is planned to finish in 2025.

This publication provides fundamental TTP for planning, integrating, and employing biometrics capabilities at the tactical level in support of operations. It provides TTP for collecting biometric, biographic, and contextual data. It also provides TTP on the integration and employment of this data in operations at the tactical level for targeting, force protection, and supporting operations throughout the intelligence cycle.

MULTI-SERVICE BREVITY CODES

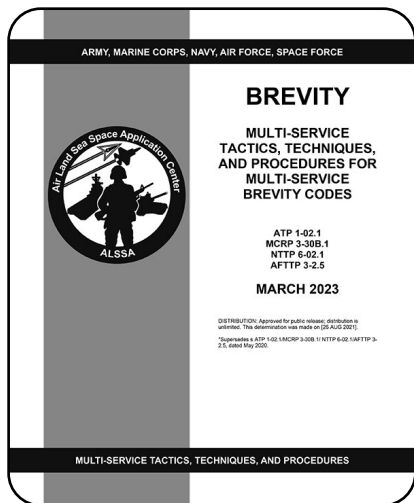
USA—ATP 1-02.1
USMC—MCRP 3-30B.1
USN—NTTP 6-02.1
USAF—AFTTP 3-2.5

History:

1997—First Published
2002—Revision 1
2005—Revision 2
2007—Revision 3
2010—Revision 4
2014—Revision 5
2016—Revision 6
2018—Revision 7
2020—Revision 8 (Ch 1 2021)
2023—Revision 9

Brevity is one of ALSSA's priority publications and is on an accelerated 2-year revision cycle.

This publication standardizes air-to-air, air-to-surface, surface-to-air, surface-to-surface, maritime air, and maritime-to-maritime brevity codes regardless of communication medium, and brevity codes specific for use in tactical chat. The scope is limited to brevity codes used in multi-Service operations. All Services agree to these brevity code meanings. These brevity codes have been forwarded to NATO for inclusion or modification of the NATO Allied Procedural Publication (APP)-7, Joint Brevity Words and other allied communications publications.

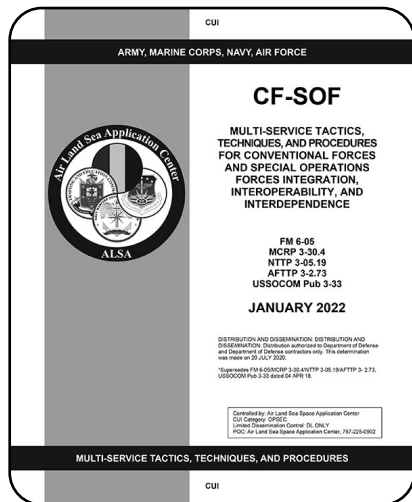


CONVENTIONAL FORCES AND SPECIAL OPERATIONS FORCES INTEGRATION, INTEROPERABILITY, AND INTERDEPENDENCE

USA—FM 6-05
USMC—MCRP 3-30.4
USN—NTTP 3-05.19
USAF—AFTTP 3-2.73
SOCOM—Pub 3-33

History:

2010—First Published
2014—Revision 1
2018—Revision 2
2022—Revision 3



CF-SOF is one of ALSSA's routine publications and is on an expected 5-year revision cycle.

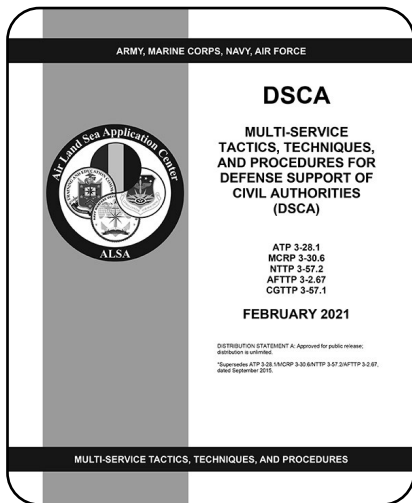
This publication serves as a guide to assist in planning and executing operations requiring integration and interoperability between conventional forces (CF) and special operations forces (SOF) while building a capacity for interdependence to synchronize effects. It also provides joint force operational and tactical commanders and staffs with planning guidance concerning missions, requirements, and capabilities of CF and SOF and TTP to effectively integrate operations across the competition continuum.

DEFENSE SUPPORT OF CIVIL AUTHORITIES

USA—ATP 3-28.1
USMC—MCRP 3-30.6
USN—NTTP 3-57.2
USAF—AFTTP 3-2.67
USCG—CGTTP 3-57.1

History:

2007—First Published
(Civil Support)
2012—Revision 1 (DSCA)
2015—Revision 2
2021—Revision 3



The Joint Actions Steering Committee has voted to rescind DSCA effective 11 September 2025.

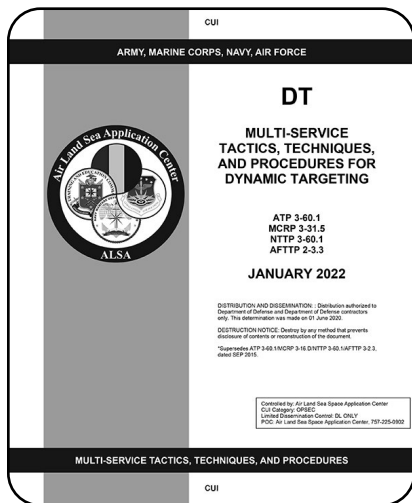
This publication is a reference guide for tactical-level units. It assists military planners, commanders, and individual Department of Defense components employing military resources and integrating with National Guard forces while responding to domestic emergencies, in accordance with United States law.

DYNAMIC TARGETING

USA—ATP 3-60.1
USMC—MCRP 3-31.5
USN—NTTP 3-60.1
USAF—AFTTP 3-2.3

History:

1997—First Published
2004—Revision 1
2007—Revision 2
2012—Revision 3
2015—Revision 4
2022—Revision 5
2023—Revision 6 began



DT is one of ALSSA's routine publications and is on an expected 3-year revision cycle.

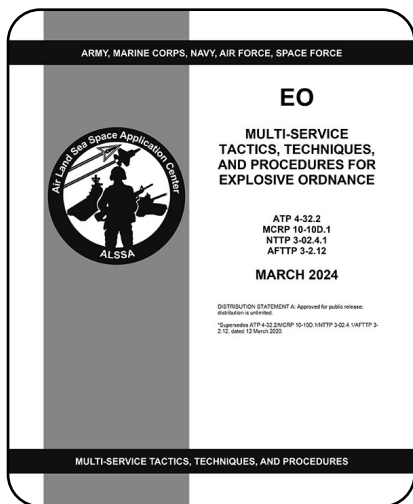
This publication highlights TTP common to DT for land and sea targets. DT processes the JFC's critical targets, component-critical targets, targets of opportunity, and changes to planned targets or objectives. It describes commanders' objectives and guidance; multi-Service command and control, execution procedures; and planning, coordinating, organizing; and training for DT.

EXPLOSIVE ORDNANCE

USA—ATP 4-32.2
USMC—MCRP 10-10D.1
USN—NTTP 3-02.4.1
USAF—AFTTP 3-2.12

History:

2006—First Published as UXO
2011—Revision 1
2015—Published as EO
2020—Revision 3
2024—Revision 4



EO is one of ALSSA's routine publications and is on an expected 3-year revision cycle.

This publication provides commanders and their units guidelines and strategies for planning and operating in an explosive ordnance environment while minimizing the impact of explosive ordnance on friendly operations. This MTTTP also familiarizes users with recognition and appropriate reaction and reporting procedures for explosive ordnance.

FIGHTER INTEGRATION

SIPR ONLY

USMC—MCRP 3-20.7

USN—NTTP 3-22.6

USAF—AFTTP 3-2.89

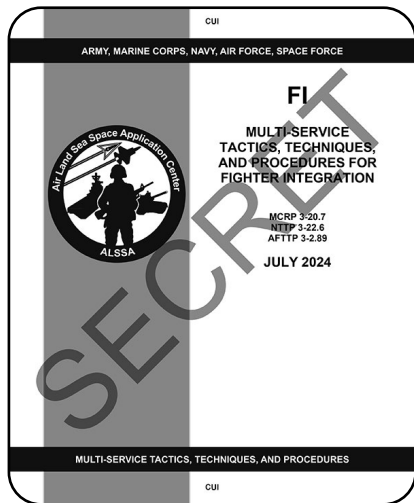
History:

2017—First Published

2020—Revision 1

2023—Revision 2

2024—Revision 3



FI is one of ALSSA's priority publications and is on an accelerated annual revision cycle in conjunction with the CAF WEPTAC at Nellis AFB.

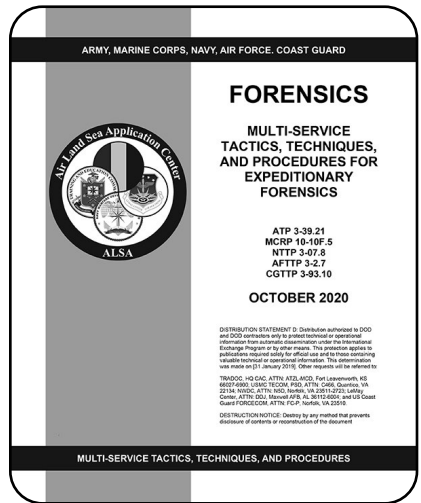
This SECRET publication establishes communications and tactics, techniques, and procedures (TTP) standards for 4th and 5th generation fighter aircraft integration, and establishes 5th generation integration standards between all F-35 variants and the F-22. This publication also identifies significant threat types and opposing ranges at which all applicable aircraft will perform certain maneuvers.

EXPEDITIONARY FORENSICS

USA—ATP 3-39.21
USMC—MCRP 10-10F.5
USN—NTPP 3-07.8
USAF—AFTTP 3-2.7
USCG—CGTTP 3-93.10

History:

2017—First Published
2020—Revision 1
2023—Revision 2 began



Forensics is one of ALSSA's publications under evaluation and has no revision timeline once the current revision is complete.

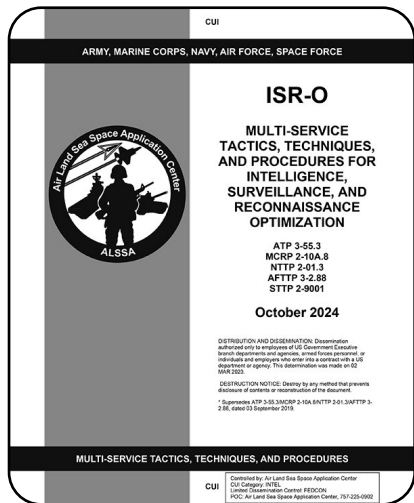
This publication ensures successful planning, integration, and employment of expeditionary forensic capabilities at the tactical level in support of operations. It also details the six forensic functions of recognize, preserve, collect, analyze, store, and share in support of operations and exploitation activities across the force. It is designed for tactical level commanders, staffs, small unit leaders, and collectors so that they may execute the forensic functions successfully.

INTELLIGENCE, SURVEILLANCE, AND RECONNAISSANCE, OPTIMIZATION

USA—ATP 3-09.32
USMC—MCRP 2-10A.8
USN—NTPP 2-01.3
USAF—AFTTP 3-2.88

History:

2015—First Published
2019—Revision 1
2024—Revision 2



ISR-O is one of ALSSA’s routine publications and is on an expected 5-year revision cycle.

This publications highlights key information to optimize ISR during the planning, execution, assessment phases and the processing, exploitation, and dissemination (PED) process. This publication supports planners and warfighters by establishing TTP for coordination and oversight of surveillance, reconnaissance, and PED operations. This publication discusses opportunities for intelligence, surveillance, and reconnaissance optimization during the operations process.

JOINT APPLICATION OF FIREPOWER

USA—ATP 3-09.32
USMC— MCRP 3-31.6
USN—NTTP 3-09.2
USAF—AFTTP 3-2.6

History:

1989—First Published
1994—Revision 1
1997—Revision 2
2002—Revision 3
2004—Revision 4
2012—Revision 5
2016—Revision 6
2019—Revision 7
2023—Revision 8

JFIRE is one of ALSSA's priority publications and is on an expected 3-year revision cycle.

This publication is a pocket-sized, quick reference guide for requesting fire support in accordance with approved joint TTP. JFIRE contains calls for fire, a format for joint air strike requests, close air support coordination and planning procedures, communications architecture, weapons data, and medical or casualty evacuation procedures.

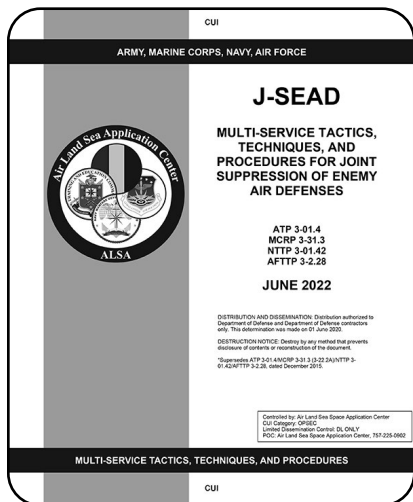


JOINT SUPPRESSION OF ENEMY AIR DEFENSES

USA—ATP 3-01.4
USMC—MCRP 3-31.3
USN—NTTP 3-01.42
USAF—AFTTP 3-2.28

History:

1982—First Published
1990—Revision 2
2000—Revision 3
2004—Revision 4
2015—Revision 5
2022—Revision 6
2024—Revision 7 began



J-SEAD is one of ALSSA's priority publications and is on an expected 3-year revision cycle.

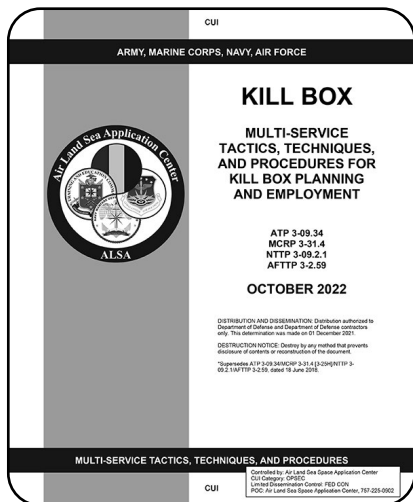
This publication provides tactical-level commanders and their staffs a single, consolidated reference to conduct J-SEAD operations. It also enables rapid integration of joint all-domain (air, land, maritime, space, and cyberspace) assets conducting suppression of enemy air defenses operations in a contested environment.

KILL BOX PLANNING AND EMPLOYMENT

USA—ATP 3-09.34
USMC—MCRP 3-31.4
USN—NTTP 3-09.2.1
USAF—AFTTP 3-2.59

History:

2005—First Published
2009—Revision 1
2014—Revision 2
2018—Revision 3
2022—Revision 4



Kill Box is one of ALSSA's routine publications and is on an expected 5-year revision cycle.

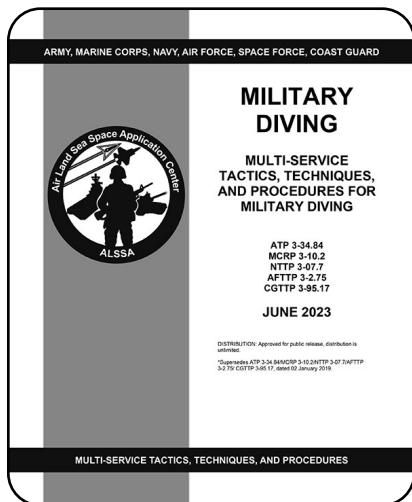
This publication is a single source for planning and employing kill boxes. It is a descriptive reference guide to enable planners and warfighters to establish and control operations within kill boxes at the operational and tactical levels.

MILITARY DIVING

USA—ATP 3-34.84
USMC—MCRP 3-10.2
USN—NTTP 3-07.7
USAF—AFTTP 3-2.75
USCG—CGTTP 3-95.17

History:

2011—First Published
2015—Revision 1
2019—Revision 2
2023—Revision 3



Diving is one of ALSSA's routine publications and is on an expected 5-year revision cycle.

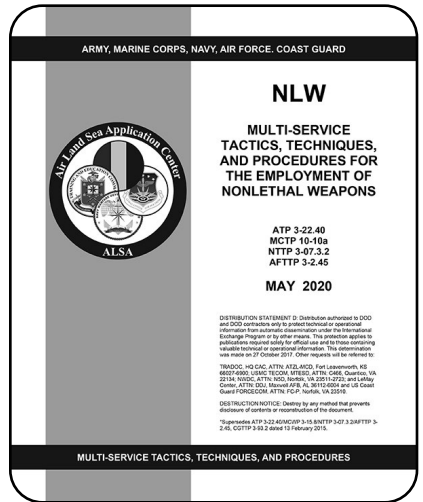
A reference guide for commanders and staff at all levels to ensure effective planning and integration for military diving operations. Describes United States military dive mission areas, force structure, equipment, and primary missions each Service could provide in support of joint operations.

THE EMPLOYMENT OF NONLETHAL WEAPONS

USA—ATP 3-22.40
USMC—MCTP 10-10A
USN—NTPP 3-07.3.2
USAF—AFTTP 3-2.45
USCG—CGTTP 3-93.2

History:

1998—First Published
2003—Revision 1
2007—Revision 2
2015—Revision 3
2020—Revision 4
2022—Revision 5 began



NLW is one of ALSSA's publications under evaluation and has no expected revision timeline after the current revision is complete.

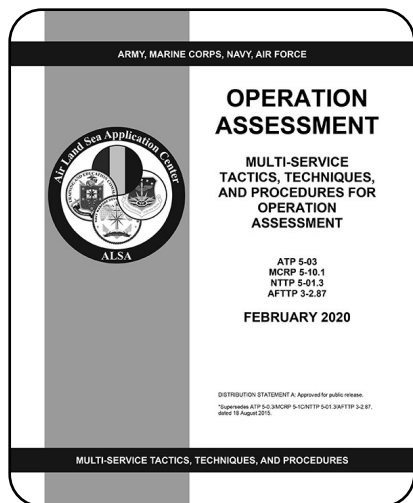
This publication discusses the policy and parameters governing nonlethal weapons (NLW). This publication increases commander and subordinate awareness for nonlethal weapons planning, capabilities, and employment.

OPERATION ASSESSMENT

USA—ATP 5-0.3
USMC—MCRP 5-10.1
USN—NTTP 5-01.3
USAF—AFTTP 3-2.87

History:

2015—First Published
2020—Revision 1
2024—Revision 2 began



Op Assessment is one of ALSSA's routine publications and is on an expected 5-year revision cycle.

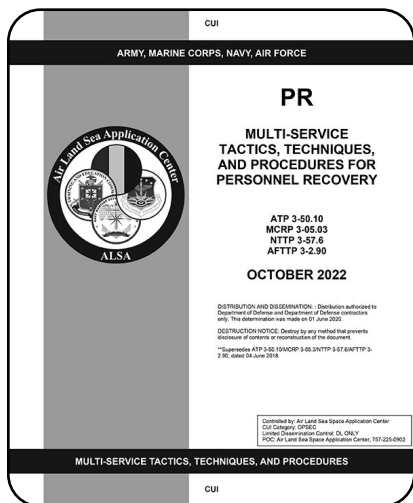
This publication serves as a commander and staff guide for integrating assessments into the planning and operations processes for operations conducted at any point along the range of military operations. It provides operation assessment how-to techniques and procedures which complement current joint and Service doctrine.

PERSONNEL RECOVERY

USA—ATP 3-50.10
USMC—MCRP 3-05.3
USN—NTTP 3-57.6
USAF—AFTTP 3-2.90

History:

2016—First Published
2018—Revision 1
2022—Revision 2



PR is one of ALSSA's priority publications and is on an expected 3-year revision cycle.

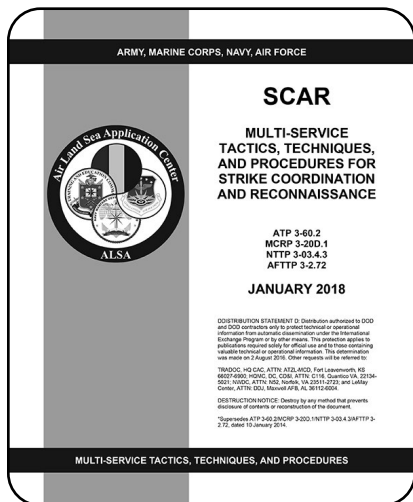
This publication details the military option for recovering isolated personnel using conventional joint capabilities. It also focuses on integrating conventional, tactical PR elements. This publication outlines PR planning and execution TTP common to all Services, identifies Service commonalities and differences, identifies PR forces' capabilities and limitations, details TTP specific to PR methods, outlines individuals' roles and responsibilities, and provides checklists designed for quick reference.

STRIKE COORDINATION AND RECONNAISSANCE

USA—ATP 3-60.2
USMC—MCRP 3-20D.1
USN—NTPP 3-03.4.4
USAF—AFTTP 3-2.72

History:

2008—First Published
2014—Revision 1
2018—Revision 2
2023—Revision 3 began



SCAR is one of ALSSA's routine publications and is on an expected 5-year revision cycle.

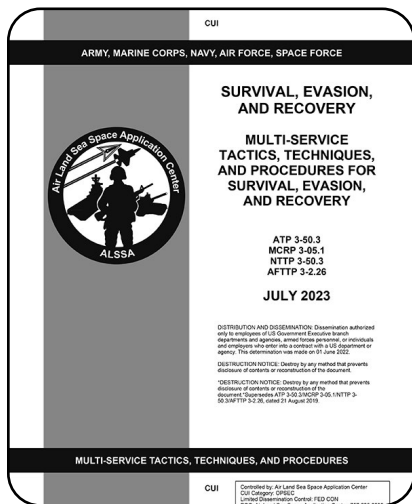
This publication describes TTP for tactical level planning and execution of the SCAR mission, and addresses operational considerations for effective application. SCAR interdiction assets include fixed-wing, rotary-wing, and surface-to-surface fires. This publication is not applicable for targets in close proximity to friendly forces, where detailed integration with fire and maneuver is required.

SURVIVAL, EVASION, AND RECOVERY

USA—ATP 3-50.3
USMC—MCRP 3-05.1
USN—NTPP 3-50.3
USAF—AFTTP 3-2.26

History:

1999—First Published
2003—Revision 1
2007—Revision 2
2012—Revision 3
2015—Revision 4
2019—Revision 5
2023—Revision 6



Survival is one of ALSSA's routine publications and is on an expected 5-year revision cycle.

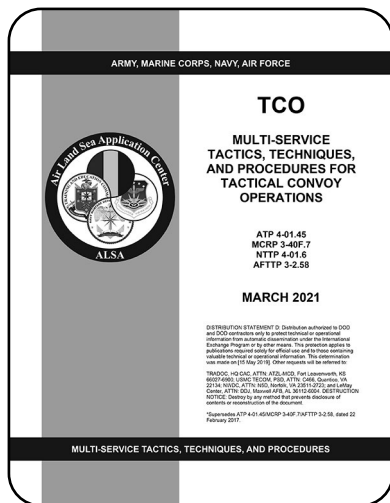
This is a weather-proof, pocket-sized, quick reference guide of basic information to assist Service members in a survival situation regardless of geographic location..

TACTICAL CONVOY OPERATIONS

USA—ATP 4-01.45
USMC—MCRP 4-11.3H
USN—NTPP 4-01.6
USAF—AFTTP 3-2.58

History:

2009—First Published
2014—Revision 1
2017—Revision 2
2021—Revision 3
2023—Revision 4 began



TCO is one of ALSSA's routine publications and is on an expected 5-year revision cycle.

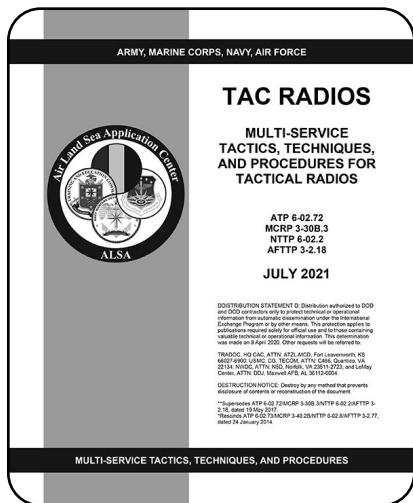
This publication is a quick-reference guide for convoy commanders operating in support of units tasked with sustainment operations. It addresses troop leading procedures; checklists; terminology; security vehicle employment; improvised explosive devices information; battle drills; convoy training exercises; and live-fire programs of instruction. It incorporates lessons learned from combat operations and training, and bridges gaps in Service convoy doctrine and TTP.

TACTICAL RADIOS

USA—ATP 6-02.72
USMC—MCRP 3-30B.3
USN—NTPP 6-02.2
USAF—AFTTP 3-2.18

History:

2002—First Published
2013—Revision 1
2017—Revision 2
2021—Revision 3
2023—Revision 4 began



Tac Radios is one of ALSSA's priority publications and is on an expected 3-year revision cycle.

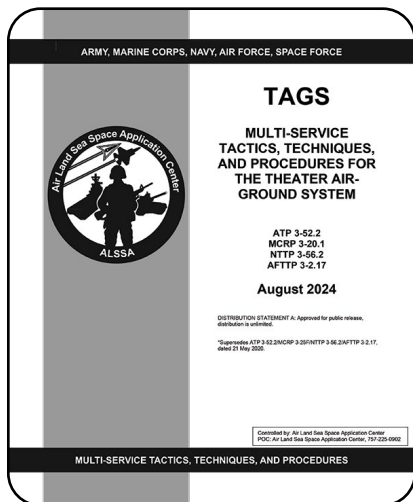
This publication for Tactical Radios is a single source, descriptive reference guide to ensure tactical-level operators and planners have a comprehensive resource for planning, employing, creating, and operating radio networks in a joint Service environment. It supports planners and warfighters by establishing TTP for training and operations across the range of military operations.

THEATER AIR-GROUND SYSTEM

USA—ATP 3-52.2
USMC—MCRP 3-20.1
USN—NTTP 3-56.1
USAF—AFTTP 3-2.17

History:

1994—First Published
1998—Revision 1
2014—Revision 2
2020—Revision 3
2024—Revision 4



TAGS is one of ALSSA's priority publications and is on an expected 3-year revision cycle.

The TAGS is a conglomeration of systems. For the purpose of this publication, TAGS refers to organizations, personnel, equipment, and procedures that participate in planning and executing all air-ground operations. Understanding the chain of command and systems comprising TAGS allows it to be maximized, providing the ability to create quick and decisive combat results. The objective of this publication is to describe how each of the Service component's systems operate within the TAGS.

HISTORIC MTTP (NOT ALL INCLUSIVE)

TACP/FIST Close Air Support	Transferred to J7, now JP 3-09.3
Tactical Chat	Incorporated into Tactical Radios MTTP
Anti-Radiation Missile–Joint	Incorporated into JSEAD MTTP
Technical Intelligence	Incorporated into ISR-O
Time Sensitive Targets	Incorporated into DT MTTP
Unmanned Aircraft Systems (UAS)	Incorporated into AMD MTTP/ Joint C-sUAS Office has started a new Joint C-sUAS pub
Radar Beacon	Rescinded
Joint Theater Missile Target Development (JTMTD)	Incorporated into DT MTTP
Electronic Warfare Officer–Joint	Incorporated into JSEAD MTTP
Integrated Combat Airspace C2	Incorporated into Airspace Control MTTP
Rear Security Operations	Incorporated into Army FM 3-0
Base Defense	Incorporated into JP 3-0
Joint Laser Designation	Incorporated into JFIRE MTTP
Joint Air Attack Team	Incorporated into JAAT aircraft operating manuals (A-10, AH-64, AH-1)
Tactical Digital Information Link–J (TADIL–J)	Incorporated into Tactical Radios MTTP
Have Quick	Incorporated into Tactical Radios MTTP

DOCTRINE CENTERS

Army

Combined Arms Doctrine Directorate (CADD)

<https://usacac.army.mil/core-functions/doctrine>

Marine Corps

Training and Education Command (TECOM)

<https://www.tecom.marines.mil/>

Navy

Navy Warfare Development Center (NWDC)

<https://nwdc.navy.mil/default.aspx>

Air Force

LeMay Center for Doctrine Development and Education

<https://www.doctrine.af.mil/>

Space Force

Space Delta 10

<https://www.starcom.spaceforce.mil/About-Us/STARCOM-Deltas/Space-Delta-10-Doctrine-Wargaming/>

Coast Guard

Force Readiness Command

<https://www.forcecom.uscg.mil/Our-Organization/FORCECOM-DIVISIONS/>

Joint Staff J-7

Joint Electronic Library (JEL+)

<https://jdeis.js.mil/jdeis/index.jsp?>

USSOCOM

SOCOM J7 Doctrine Branch

<https://socom.sharepoint-mil.us/sites/ussocom-J5>

JOINT ACTIONS STEERING COMMITTEE

Service Voting Members



**Mission Command
Center of
Excellence (MCCoE)
Director**



**LeMay
Doctrine
Center
Commander**



**Navy Warfare
Development
Center (NWDC)
Director**



**Training and
Education
Command
(TECOM)
Deputy Policy
and Standards**



**Space Delta 10
Commander**

Service Non-Voting Members

**Joint Staff J7/
DD JED
Joint Education and
Doctrine**



**USCG
FORCECOM**



**USSOCOM
SOCCOM J7
Doctrine Branch**



JOINT AND MULTI-SERVICE DOCTRINE

Joint Doctrine

- Authoritative Joint doctrine
- Must have consensus
- Proposed by JDPC
- Approved by CJCS/DJ7
- Signed by the CJCS
- Revised on a priority basis
- **Operational Level Doctrine**

Multi-Service Doctrine

- Adopted as Service doctrine
- Service agreement not required
- Proposed/written by Warfighters
- Approved by JASC
- Signed by Service doctrine chiefs
- Revised every 1-5 years
- **Tactical Level Solutions**



ALSSA's Contribution to Service Publications

Army and Navy:

28 ALSSA publications included in ATP and NTTP libraries.

Air Force and Marine Corps:

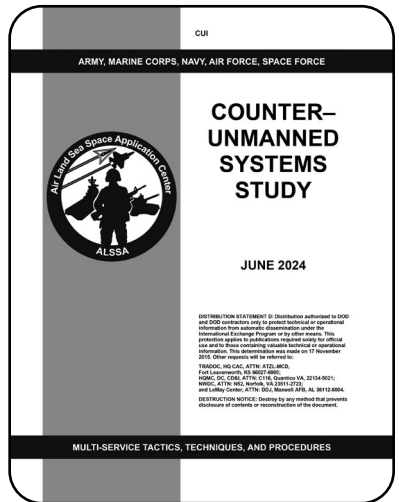
29 ALSSA publications included in AFTTP and MCRP libraries.

ALSSA RESEARCH TOPICS

ALSSA is capable of doing internal research topics to identify if emerging concepts or topics warrant the publication of a new MTTP. If you have an idea and supporting information for an emerging TTP please submit your suggestions to:

ALSSAinfo@army.mil

- Studies are written to determine the existence or nature of interoperability problems.
- They are accomplished at the direction of the JASC or the O-6 Council, in response to a query from the field, or by internal tasking.
- Studies include requests to write proposals for future publications or review and comment on joint and Service publications.
- Occasionally, studies are not approved for MTTP publication production due to a limited or no interoperability gap or other circumstance.

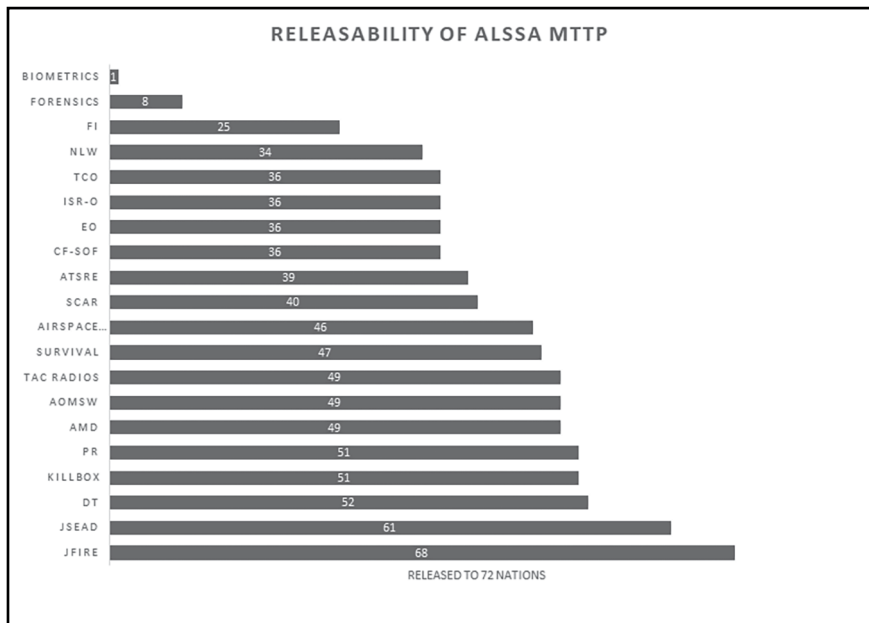


Recent ALSSA Studies

- Degraded Space Operation
- Defensive Cyber Operations
- Air Control Communication
- Joint Air Attack Teams
- Counter Unmanned Systems
- Personnel Recovery
- 4th/5th Gen Fighter Integration
- Air and Missile Defense

ALSSA FOREIGN DISCLOSURE

Not including MTTP for public release, ALSSA MTTP publications are distributed to 72 countries, with 27 of the 30 MTTP in the catalog being released to FVEY and/or NATO.



ALSSA FOREIGN DISCLOSURE

Used by all six Services and shared with allies and partners from 73 countries.



For Foreign Disclosure queries, please contact:

ALSSAinfo@army.mil

Air Land Sea Space Application Center



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