



DEPARTMENT OF THE NAVY
OFFICE OF THE CHIEF OF NAVAL OPERATIONS
2000 NAVY PENTAGON
WASHINGTON, D.C. 20350-2000

IN REPLY REFER TO
OPNAVINST 3510.15A
N88

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OPNAV INSTRUCTION 3510.15A

From: Chief of Naval Operations

Subj: AVIATION-SERIES NAVAL TACTICS, TECHNIQUES AND PROCEDURES
MANUALS AND NAVAL AVIATION TECHNICAL INFORMATION PRODUCT
PROGRAM

Ref: (a) AIR NTTP Program Management Guide (NOTAL)
(b) NATIP Program Management Guide (NOTAL)
(c) OPNAVINST 3710.7T
(d) Memorandum of Understanding between NSAWC/MAWTS-
1/USAFWC dtd May 2005 (NOTAL)
(e) The Naval Warfare Library (NTTP 1-01), April 2005
(NOTAL)
(f) NAVAIRINST 13034.1C

Encl: (1) Navy and Marine Corps AIR NTTP/NATIP/NWDC Relational
Diagram

1. Purpose. To provide for the management of Navy Aviation
Tactics, Techniques and Procedures (AIR NTTP), and Naval
Aviation Technical Information Products (NATIPs) in conjunction
with references (a) and (b), which provide guidance for the
management, review, production and distribution of all AIR NTTP
and NATIPs.

2. Cancellation. OPNAVINST 3510.15.

3. Discussion

a. The AIR NTTP series, NATIPs and Naval Air Training and
Operations Procedures Standardization (NATOPS) (reference (c))
shall be the primary operational references for naval aviation.
The Chief of Naval Operations (CNO) shall oversee the execution
of the AIR NTTP and NATIP programs.

b. The AIR NTTP program is managed by Naval Strike and Air
Warfare Center (NSAWC), and is a series of comprehensive

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tactical force employment manuals comprising lessons learned, operational evaluations, training exercises, tactics development programs and threat analysis.

(1) The AIR NTTP program is located at the 561st Joint Tactics Squadron (JTS), Nellis Air Force Base (AFB), Nevada. The 561st JTS is integrated with the U.S. Air Force Warfare Center (USAFWC), as detailed in reference (d). AIR NTTP volumes will be maintained by the 561st JTS and available electronically. The Navy Warfare Development Command (NWDC), in accordance with reference (e), will link to the applicable AIR NTTP.

(2) Numbering System. To distinguish between classified and unclassified manuals, and tactical pocket guides, the AIR NTTP series shall be numbered as follows:

- (a) NTTP 3-22.1-Type/Model/Series (T/M/S) CLASSIFIED
Tactical Employment Manual
- (b) NTTP 3-22.3-T/M/S UNCLASSIFIED Tactical
Employment Manual
- (c) NTTP 3-22.5-T/M/S Tactical Pocket Guide
- (d) NTTP 3-22.7-T/M/S CLASSIFIED NON-RELEASABLE
Tactical Employment Manual

Note: Platforms may not require all products.

(3) The intent of the AIR NTTP program is to review each AIR NTTP volume on a 24-month cycle. The review cycle has four phases: pre-conference, conference, production and distribution. The conference delegates (subject matter experts from fleet squadrons) determine the content of the volume. Goals and procedures for each of the four phases are detailed in reference (a).

c. The NATIP program is managed by Commander, Naval Air Systems Command, Airworthiness Office (NAVAIRSYSCOM, AIR-4.OP), and is a series of permanent flight clearance products which comprise critical technical data and limitations required for safe and effective employment of aircraft weapon and mission systems. NATIPs take the form of Naval Tactical Reference Publications (NTRP) which are the primary technical references

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upon which AIR NTTP is developed. NATIPs also include products (e.g., executable programs, mission/weaponeering planning software) that derive their limits from NTRP, interim flight clearances, NATOPS, flight restrictions, employment and safety-of-flight envelopes. Any product that is intended for fleet use in lieu of an NTRP or other flight clearance shall be approved by AIR-4.0P.

(1) NATIPs are developed and published by NAVAIRSYSCOM and are available electronically. NWDC, in accordance with reference (e), will link to the applicable NTRP.

(2) Numbering System. To distinguish between classified and unclassified manuals, the NATIP NTRP series shall be numbered as follows:

- | | |
|-----------------------|--------------------|
| (a) NTRP 3-22.2-T/M/S | CLASSIFIED NATIP |
| (b) NTRP 3-22.4-T/M/S | UNCLASSIFIED NATIP |

Note: Platforms may not require all products.

(3) The intent of the NATIP program is to update the NTRP on a continual as needed basis. There is no requirement for an update schedule or conference review process. Instead, as acquisition programs, airframe and weapon changes, and other events occur, the NATIP will be updated and electronically republished. NAVAIRSYSCOM will participate in the AIR NTTP review pre-conference and conference activities to solicit operator inputs for NATIP updates. Goals and procedures for NATIP updates are detailed in references (b) and (f).

d. The goal is to transition all AIR NTTP and NATIP NTRP publications to digital media primarily accessed on unclassified but sensitive Internet protocol router network/secret Internet protocol router network with limited compact disk-read only memory distribution. Paper distribution will be phased out with exception of tactical pocket guides (NTTP 3-22.5- (T/M/S)). Exceptions will require a waiver approved by the applicable program manager.

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4. Responsibilities

a. Office of the Chief of Naval Operations, Director, Aviation Warfare (OPNAV (N88))

(1) OPNAV (N88) is responsible for the overall AIR NTTP and NATIP programs. OPNAV Aviation Manpower/Training Branch (N882) is designated as program administrator.

(2) Provide funding for development and sustainment of the AIR NTTP and NATIP programs.

(3) OPNAV (N88) will resolve conflicts between this instruction and established NWDC/Marine Corps Combat Development Command (MCCDC) doctrine development procedures.

b. NSAWC

(1) NSAWC is designated as AIR NTTP program manager and is responsible to OPNAV (N88) to:

(a) Assign Primary Review Authority (PRA) responsibilities to applicable organizations.

(b) Manage the AIR NTTP process for all Navy and Marine Corps aviation communities to ensure that AIR NTTP publications are pertinent, accurate, current, and support existing Navy and U.S. Marine Corps joint and allied doctrine. Establish volume and publication size limits based on AIR NTTP production capacity.

(c) Administer the review and revision process for each PRA to ensure timely distribution of AIR NTTP products.

(d) Provide oversight for AIR NTTP that may be developed as a result of collaborative efforts across communities.

(e) In accordance with reference (d), manage consolidated facilities and manpower at 561st JTS, Nellis AFB, in the production of AIR NTTP publications.

(f) Manage the obligation and expenditure of AIR NTTP funds.

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(g) Appoint an AIR NTTP coordinator to the 561st JTS staff at Nellis AFB to be responsible to the AIR NTTP program manager for conference budget and scheduling.

(h) Coordinate with the NATIP program manager to avoid redundancy and duplication of content in AIR NTTP and ensure proper division of tactical and technical information.

(i) Liaise with NWDC/MCCDC to ensure AIR NTTP comply with Navy, Marine Corps, joint and allied doctrine.

(2) Act as PRA for AIR NTTP assigned in reference (a).

c. NAVAIRSYSCOM

(1) AIR-4.0P is designated as NATIP program manager and is responsible to OPNAV (N88) to:

(a) Manage the NATIP program for all Navy and Marine Corps aviation communities to ensure that NATIPs are accurate, current, and relevant.

(b) Apply the airworthiness process in accordance with reference (f) to ensure timely approval and release of NATIP.

(c) Manage the obligation and expenditure of NATIP funds.

(d) Coordinate with the AIR NTTP program manager to avoid redundancy and duplication of content in NTRP and ensure proper division of tactical and technical information.

(e) Ensure mission planning and weaponeering products that present flight clearance content are technically accurate when compared to the governing NAVAIRSYSCOM flight clearance source, and are safe for fleet use.

(2) Act as PRA for all NATIPs.

(3) Engineering competencies are responsible for the accuracy and completeness of NATIPs for their specific engineering discipline. Engineering competencies shall:

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(a) Conduct analysis to provide safety-of-flight data for NATIPs for each T/M/S aircraft. The following safety-of-flight-related information, when applicable, are mandatory:

1. Authorized store/weapon configurations.
2. Authorized aircraft store loadings.
3. Aircraft store limitations (e.g., safe separation, carriage, etc.).
4. Authorized weapon fuze arm times and maximum authorized stick lengths.
5. Minimum safe release altitudes for fragment, terrain, and ricochet avoidance.
6. Weapon and mission systems limitations and descriptions.

(b) Conduct analyses to provide weapon systems employment data for each T/M/S NATIP.

(c) Ensure all content provided for incorporation into NATIPs is properly identified and marked with classification portion markings.

(4) Ensure that engineering software developed in support of the NATIP permanent flight clearance system is compliant with current Department of Defense/Department of the Navy (DON) software authority.

(5) Liase with NWDC/MCCDC to ensure all NATIPs comply with Navy, Marine Corps, joint and allied doctrine.

d. Program Executive Office, Program Manager Aircraft. Coordinate initial product requirements with the AIR NTTP and NATIP program managers. In general, AIR NTTP and NATIPs shall use research, development, test and evaluation, original equipment manufacturer and Operational Tactics Guide (OTG) source material as documentation upon which to expand.

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e. Commander, Operational Test and Evaluation Force

(1) Act as the PRA for publications assigned in reference (a).

(2) Ensure OTGs are developed and produced in a standardized format consistent with AIR NTTP and NATIPs.

f. Marine Aviation Weapons and Tactics Squadron One (MAWTS-1)

(1) Act as PRA for AIR NTTP assigned in reference (a).

(2) Provide one Marine naval aviator/naval flight officer (O-3/4) AIR NTTP Marine Corps volume manager. Personnel will be assigned to MAWTS-1, AIR NTTP Detachment Nellis AFB, and function under the supervision of the AIR NTTP coordinator.

g. NWDC/ MCCDC Doctrine Division

(1) Provide guidance to the PRA per reference (d) to ensure that AIR NTTP and NTRP volumes comply with Navy, Marine Corps, Joint and Allied doctrine.

(2) Maintain a library of current AIR NTTP and NTRP volumes.

h. AIR NTTP PRA

(1) The command that is responsible for the content of a specific AIR NTTP volume.

(2) Oversee assigned publications and comply with references (a) and (f).

(3) Designate a Model Manager (MM) who will act as the primary point of contact for all matters relating to the specific aircraft/subject. The PRA may assume the role of MM or delegate the responsibilities to a subordinate command/unit.

(4) Provide prioritized AIR NTTP review requirements to the AIR NTTP coordinator.

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5. Proposed Changes. Proposed changes to this instruction will be submitted to OPNAV (N88).

6. Action. Compliance with this instruction and enclosure (1) is mandatory for all DON personnel concerned with naval aviation.

7. Records Management. Records created as a result of this instruction, regardless of media and format, shall be managed in accordance with Secretary of the Navy Manual 5210.1.



K. E. FLOYD

Director, Air Warfare

Distribution:

Electronic only, via Department of the Navy Issuances Web site
<http://doni.daps.dla.mil/>

NAVY AND MARINE CORPS AIR NTTP / NATIP /NWDC RELATIONAL DIAGRAM

