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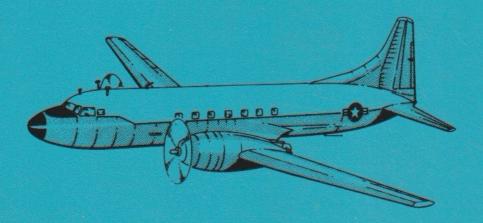


# NATOPS FLIGHT MANUAL

NAVY MODEL

C-131
AIRCRAFT

THIS MANUAL SUPERSEDES NAVAER 01-5MRB-501 DATED
15 DECEMBER 1957 AND C-131 NATOPS MANUAL



ISSUED BY AUTHORITY OF THE CHIEF OF NAVAL OPERATIONS
AND UNDER THE DIRECTION OF THE COMMANDER,
NAVAL AIR SYSTEMS COMMAND

AIRCRAFT 1

INDOCT

NORMAL 3

FLIGHT

EMER Procd

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ALL-WTHR OPERATION

COMM PROCD

WEAPON SYSTEMS

FLT CREW COORD

NATOPS 10

PERFORM DATA

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### BASIC AND ALL CHANGED PAGES HAVE BEEN COLLATED TO MAKE THIS A COMPLETE PUBLICATION

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NAVAIR 01-5MRB-1

CNATRA 2

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1 SEPTEMBER 1967 Changed 15 September 1975



# OFFICE OF THE CHIEF OF NAVAL OPERATIONS WASHINGTON, D.C. -20350

1 September 1967

#### LETTER OF PROMULGATION

- 1. The Naval Air Training and Operating Procedures Standardization Program (NATOPS) is a positive approach towards improving combat readiness and achieving a substantial reduction in the aircraft accident rate. Standardization, based on professional knowledge and experience, provides the basis for development of an efficient and sound operational procedure. The standardization program is not planned to stifle individual initiative but rather, to aid the Commanding Officer in increasing his unit's combat potential without reducing his command prestige or responsibility.
- This manual standardizes ground and flight procedures but does not include tactical doctrine. Compliance with the stipulated manual procedure is mandatory except as authorized herein. In order to remain effective, NATOPS must be dynamic and stimulate rather than suppress individual thinking. Since aviation is a continuing progressive profession, it is both desirable and necessary that new ideas and new techniques be expeditiously evaluated and incorporated if proven to be sound. To this end Type/Fleet/Air Group/Air Wing/Squadron Commanders and subordinates are obligated, authorized and directed to modify procedures contained herein, in accordance with OPNAV Instruction 3510.9 series and applicable directives, for the purpose of assessing new ideas, in a practical way, prior to initiating recommendations for permanent changes. This manual is prepared and kept current by the users in order to achieve maximum readiness and safety in the most efficient and economical manner. Should conflict exist between the training and operating procedures found in this manual and those found in other publications, this manual will govern.
- 3. Checklists and other pertinent extracts from this publication necessary to normal operations and training should be made and may be carried in Naval Aircraft for use therein. It is forbidden to make copies of this entire publication or major portions thereof without specific authority of the Chief of Naval Operations.

Vice Admiral, USN Deputy Chief of Naval Operations (Air)

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### **FOREWORD**

#### SCOPE

The NATOPS Flight Manual is issued by the authority of the Chief of Naval Operations and under the direction of Commander, Naval Air Systems Command in conjunction with the Naval Air Training and Operating Procedures Standardization (NATOPS) Program. This manual contains information on all aircraft systems, performance data, and operating procedures required for safe and effective operations. However, it is not a substitute for sound judgement. Compound emergencies, available facilities, adverse weather or terrain, or considerations affecting the lives and property of others may require modification of the procedures contained herein. Read this manual from cover to cover. It's your responsibility to have a complete knowledge of its contents.

#### APPLICABLE PUBLICATIONS

The following applicable publications complement this manual:

NAVAIR 01-5MRB-1-6 (Functional Checkflight Checklist) NAVAIR 01-5MRB-1S (Scroll Checklist)

#### HOW TO GET COPIES

#### AUTOMATIC DISTRIBUTION

To receive future changes and revisions to this manual or any other NAVAIR aeronautical publication automatically, a unit must be established on an automatic distribution list maintained by the Naval Air Technical Services Facility (NATSF). To become established on the list or to change existing NAVAIR publication requirements, a unit must submit a Mailing List Request For Aeronautic Technical Publications (NAVAIR Form 5605/3, Part II), to NATSF, 700 Robbins Avc., Philadelphia, Pa. 19111, listing requirements or changes thereto in accordance with the instructions contained on the request form. For additional information, refer to NAVAIRINST 5605.4 series and NAVSUP Publication 2002, Section VIII, Part C.

#### ADDITIONAL COPIES

Additional copies of this manual and changes thereto may be procured by submitting DD Form 1348 to Naval Publications and Forms Center, Philadelphia in accordance with NAVSUP Publication 2002, Section VIII, Part C.

#### UPDATING THE MANUAL

To ensure that the manual contains the latest procedures and information, NATOPS review conferences are held in accordance with OPNAVINST 3510.11 series.

#### **CHANGE RECOMMENDATIONS**

Recommended changes to this manual or other NATOPS publications may be submitted by anyone in accordance with OPNAVINST 3510.9 series.

Routine change recommendations are submitted directly to the Model Manager on OPNAV Form 3500-22 shown on the next page. The address of the Model Manager of this aircraft is:

> Commanding Officer VR-1, Naval Air Station Norfolk, Virginia

Change recommendations of an URGENT nature (safety of flight, etc.,) should be submitted directly to the NATOPS Advisory Group Member in the chain of command by priority message.

#### YOUR RESPONSIBILITY

NATOPS Flight Manuals are kept current through an active manual change program. Any corrections, additions, or constructive suggestions for improvement of its content should be submitted by routine or urgent change recommendation, as appropriate, at once.

# NATOPS FLIGHT MANUAL INTERIM CHANGES

Flight Manual Interim Changes are changes or corrections to the NATOPS Flight Manuals promulgated by CNO or NAVAIRSYSCOM. Interim Changes are issued either as printed pages, or as a naval message. The Interim Change Summary page is provided as a record of all interim changes. Upon receipt of a change or revision, the custodian of the manual should check the updated Interim Change Summary to ascertain that all outstanding interim changes have been either incorporated or canceled; those not incorporated shall be recorded as outstanding in the section provided.

#### CHANGE SYMBOLS

Revised text is indicated by a black vertical line in either margin of the page, adjacent to the affected text, like the one printed next to this paragraph. The change symbol identifies the addition of either new information, a changed procedure, the correction of an error, or a rephrasing of the previous material.

# WARNINGS, CAUTIONS, AND NOTES

The following definitions apply to "WARNINGS", "CAUTIONS", and "NOTES" found through the manual.

WARNING

An operating procedure, practice, or condition, etc., which may result in injury or death, if not carefully observed or followed.

### CAUTION

An operating procedure, practice, or condition, etc., which may result in damage to equipment, if not carefully observed or followed.

#### Note

An operating procedure, practice, or condition, etc., which is essential to emphasize.

#### WORDING

The concept of word usage and intended meaning which has been adhered to in preparing this Manual is as follows:

"Shall" has been used only when application of a procedure is mandatory.

"Should" has been used only when application of a procedure is recommended.

"May" and "need not" have been used only when application of a procedure is optional.

"Will" has been used only to indicate futurity, never to indicate any degree of requirement for application of a procedure.