F-16 AIRCREW TRAINING DEVELOPMENT PROJECT

Contract No. F02604-79-C-0875

F-16 TASK ANALYSIS
CRITERION-REFERENCED OBJECTIVE
AND OBJECTIVES HIERARCHY REPORT

VOLUME I.

DEVELOPMENT REPORT No. 6
MARCH 1981

Prepared in fulfillment of CDRL no. B012
and partial fulfillment of CDRL nos. B013, B015, and B019

by

S.J./Rolnick
D./Mudrick
A.S./Gibbons
J./Clark
Courseware, Inc.

COURSEWARE, INC.
10075 Carroll Canyon Rd.
San Diego, CA 92131
(714) 578-1700

DISTRIBUTION STATEMENT A
Approved for public release.
Distribution Unlimited
This report was created for the F-16 Aircrew Training Development Project contract no. F02604-79-C8875 for the Tactical Air Command to comply with the requirements of CDRL no. 8012, B013, B015 and B019. The project entailed the design and development of an instructional system for the F16 RTU and instructor pilots. During the course of the project, a series of development reports was issued describing processes and products. A list of those reports follows this page. The user is referred to Report No. 34, A Users Guide to the F-16 Training Development Reports, for an overview and explanation of the series, and Report No. 35, F-16 Final Report, for an overview of the Instructional System Development Project.
F-16 AIRCrew TRAINING
DEVELOPMENT PROJECT REPORTS

Copies of these reports may be obtained by writing the Defense Technical Information Center, Cameron Station, Alexandria, Virginia 22314. All reports were reviewed and updated in March 81.


EXECUTIVE SUMMARY

This report contains the F-16 pilot training task listing, criterion-referenced objectives (CROs), objectives hierarchies and course map. A task listing is the logical breakdown of a task or job into its component subtasks. For instructional purposes, each of these subtasks is then converted into a CRO complete with conditions and standards for successful performance. The interrelationship of the CROs is identified and represented in a hierarchical arrangement.

For example, the major task of "performing the duties of an F-16 pilot" was divided into the following 11 subtasks:

1. Premission planning
2. Pretakeoff procedures
3. Takeoff
4. Departure
5. Enroute procedures
6. Air refueling
7. Combat
8. Recovery
9. Landing
10. Post-flight procedures
11. Mission debriefing

Each of these subtasks were then broken down into smaller performances. For instance, under premission planning such tasks as collect weather data, collect operations data, etc. were identified. These performances form the basis of the CROs. This reduction in task complexity provides the logical rationale for the hierarchical arrangement.

All tasks relevant to the F-16 training program are listed in this report. This provides the foundation for all subsequent instructional design and development activities.
CONTENTS

VOLUME I

Preface ............................................. i
F-16 Aircrew Training Development Project Reports ...... ii
Executive Summary .................................. vi
INTRODUCTION ...................................... 1
TASK LISTING ....................................... 2
CROS AND OBJECTIVES HIERARCHIES ...................... 2
USES OF THIS REPORT ................................ 3
UPDATE OF THIS REPORT ............................... 4
REPORT NOTATIONS ................................... 4

1.1 PREAMISSION PLANNING

TASK LIST
TASKS WITHOUT CRITERION-REFERENCED
OBJECTIVES
CRITERION-REFERENCED OBJECTIVES
OBJECTIVES HIERARCHIES

1.2 PRETAKEOFF PROCEDURES

TASK LIST
TASKS WITHOUT CRITERION-REFERENCED
OBJECTIVES
CRITERION-REFERENCED OBJECTIVES
OBJECTIVES HIERARCHIES

VOLUME II

1.3 TAKEOFF

TASK LIST
TASKS WITHOUT CRITERION-REFERENCED
OBJECTIVES
CRITERION-REFERENCED OBJECTIVES
OBJECTIVES HIERARCHIES
CONTENTS (cont.)

1.4 DEPARTURE

TASK LIST
TASKS WITHOUT CRITERION-REFERENCED OBJECTIVES
CRITERION-REFERENCED OBJECTIVES
OBJECTIVES HIERARCHIES

1.5 ENROUTE PROCEDURES

TASK LIST
TASKS WITHOUT CRITERION-REFERENCED OBJECTIVES
CRITERION-REFERENCED OBJECTIVES
OBJECTIVES HIERARCHIES

1.6 AIR REFUELING

TASK LIST
TASKS WITHOUT CRITERION-REFERENCED OBJECTIVES
CRITERION-REFERENCED OBJECTIVES
OBJECTIVES HIERARCHIES

VOLUME III

1.7 COMBAT

TASK LIST
TASKS WITHOUT CRITERION-REFERENCED OBJECTIVES
CRITERION-REFERENCED OBJECTIVES
OBJECTIVES HIERARCHIES
CONTENTS (cont.)

VOLUME IV

1.8 RECOVERY

TASK LIST
TASKS WITHOUT CRITERION-REFERENCED OBJECTIVES
CRITERION-REFERENCED OBJECTIVES
OBJECTIVES HIERARCHIES

1.9 LANDING

TASK LIST
TASKS WITHOUT CRITERION-REFERENCED OBJECTIVES
CRITERION-REFERENCED OBJECTIVES
OBJECTIVES HIERARCHIES

1.10 POST FLIGHT PROCEDURES

TASK LIST
TASKS WITHOUT CRITERION-REFERENCED OBJECTIVES
CRITERION-REFERENCED OBJECTIVES
OBJECTIVES HIERARCHIES

1.11 MISSION DEBRIEFING

TASK LIST
TASKS WITHOUT CRITERION-REFERENCED OBJECTIVES
CRITERION-REFERENCED OBJECTIVES
OBJECTIVES HIERARCHIES

1.12 COURSE MAP

CONVERSION
INTERCEPT
BFM
ACM
NAV
SA
SAT
INTRODUCTION

This report contains the F-16 pilot training task listing, task hierarchies, criterion-referenced objectives (CROS), and objectives hierarchies as of the end of F-16 Aircrew Training Development Project March 1981. Additionally, the academic objectives which support the tasks actually taught in the F-1600B course are presented. The distinction between these two sources of data and their use will be presented in a latter section.

When using this report, it is important for the reader to keep in mind that the analysis was conducted on an emerging weapons system. Therefore, some of the tasks and objectives presented here are not relevant to today's F-16. The reasons for leaving these obsolete tasks and objectives in this report will be elaborated below.

The report is divided into four volumes for convenience in binding. Detailed information on rationale and methodology for the analysis which produced this document is available in the following F-16 Development Reports:


Derivation, Formatting, and Use of Criterion-referenced Objectives (CROS) and Criterion-referenced Tests (CRTs), F-16 Development Report No. 5, September 1977.


Only a brief introduction to each of these three analyses is presented in the sections which follow.
A task listing for instructional development purposes is the logical breakdown of a performance task or job into its component subtasks, down to the level of individually measurable performance tasks. For F-16 pilot training, the major task, 1.0 "Perform duties of an F-16 pilot", has been divided into the following eleven major subtasks:

1.1 Perform premission planning
1.2 Perform pretakeoff procedures
1.3 Perform takeoff
1.4 Perform departure
1.5 Perform enroute procedures
1.6 Perform air refueling
1.7 Perform combat
1.8 Perform recovery
1.9 Perform landing
1.10 Perform post flight procedures
1.11 Perform mission debriefing

These major subtasks represent the phases of a flight during combat. Each subtask is further broken down until the tasks reached can be effectively observed and evaluated during one performance session. Examples of tasks at this level are 1.1.2.4.15 "Calculate offset aim points" and 1.7.5.2.9.3.4 "Perform missile break turn". There are about 1,000 tasks in the F-16 task listing, of which about 700 are at this lowest level.

CROs AND OBJECTIVES HIERARCHIES

Each of the lowest level performance tasks (usually those with at least a four number designator) is converted into a CRO. For each CRO a set of conditions and a standard for performance are defined, along with other related data such as criticality of correct performance and difficulty. In addition the CROs contain an outline of the steps followed during task performance. The CROs also provide a convenient collection point for several items of data used in other instructional development procedures.
Each CRO is further analyzed to determine the set of training objectives necessary to train a student to the level of practice and mastery of the CRO. The objectives occur in the form of hierarchies showing superordinate-subordinate relationships between the CRO supporting the task and the objectives. Objectives can be trained and tested with a variety of presentation media, such as workbooks, pencil and paper tests, or a cockpit familiarization trainer, whereas the CRO is normally performed in a simulated environment or in the aircraft.

USES OF THIS REPORT

To use this report, the user should keep in mind the distinction between a task listing and a course map. As stated earlier, the task listing is the logical breakdown of a task into its component subtasks, whereas the course map indicates only those tasks and supporting objectives that are taught in the course. The first eleven sections of this report are the task listings and the twelfth section contains the course map.

The task listing can be used for both historical and reference purposes. As a historical document, this report consists of all the tasks once though relevant to flying the F-16. However, because of mission or equipment changes, some of the tasks originally identified as important to F-16 training were later deleted. These tasks were left in the report but they are identified as being deleted from the present task listing. Knowing how this task listing evolved may help future developers as they deal with the complexities of maintaining and updating a task listing on an emerging weapons system.

As a reference source, this report could serve as the starting point when future members of the F-16 OTD team are tasked with revising the course materials. For example, at some future date when the Engine System workbook needs revision, this report could help the individual responsible for revising the workbook in the following ways. First, the individual could use the course map to identify those tasks which the objectives in the workbook were designed to support. Next, the objectives hierarchies supporting those tasks could be examined to see if lesson should now be included. If not, then of course the individual would have to consult other sources of data for revision content.

Finally, the task listing and course map could be used when new tasks are incorporated into the course. For example, when the simulator comes on line, the OTD team may identify the need for new tasks to be learned in academics prior to simulator use. The task listing and course map would aid in the identification of prerequisite relationships between the new tasks and tasks already in the course, and this would have implications for the sequencing of the new material into the course.
UPDATE OF THIS REPORT

The task list, CROs, and objectives hierarchies form the foundation of much of the instructional design and development that follow, such as determination of the syllabus, sequencing of objectives, and media selection. As the content of the instructional design changes, (due to changes in the aircraft, its employment, etc.) the task list, CROs, and objectives hierarchies should be updated accordingly. Therefore, these data bases are continually evolving. The results presented in this report are based on what is presently known about the aircraft and its planned use.

At present there are some CROs that have not been written. These CROs are identified by their number designator at the beginning of each section. It is hoped that in the future, as time permits, these CROs will be written.

Updating of the task list and CROs have been greatly aided by the use of a word processing system for storage of task data. This also allows for the quick searching of data and for production of multiple-use reports from the same data base.

REPORT NOTATIONS

Some of the features of the data presentation in this report may need explanation. In the task list sections, task numbers and their accompanying behaviors are presented in two forms: (1) list form and (2) graphic form. The task numbering follows the hierarchical breakdown of tasks into subtasks described above. Tasks marked "(E)" are entry level tasks, that is, tasks which incoming students should already be able to perform. Such tasks have been included in the task list when it was determined that their exclusion would be questioned. Otherwise, the task listing is intended to go to the level of entry but does not include it. Although the task list is the collection of tasks performed during regular use of the aircraft, there are some tasks that are only performed during training, such as range and dart tow procedures. These tasks, though not properly a part of the task list, have been included in it and are labelled by "(T)". There are also tasks in the listing that although not taught as part of the training program, are part of the continuation training. These tasks are designated with the letter "(C)". Finally, those tasks that have been deleted from the task listing are identified by the letter "(D)". Subsequent development work will identify more of these, and they will be added to the task listing as they are identified.

The form of the CROs is explained in detail in F-16 Development Report No. 5 listed above. Some of the CROs, including several in Section 1.7, Combat, have not been defined because data are not yet available or because of the subject-matter expert manpower shortage. For these, placeholders have been provided listing the task behavior but no other data. These will be completed as time and manpower permit.
An objectives hierarchy is provided for each CRO. On the hierarchy diagrams, the CRO is the highest level solid box in the hierarchy. The top, dashed box is the next higher level task in the task listing. The unnumbered boxes below the CRO represent the training objectives for that CRO. These boxes are arranged according to a hierarchy of training knowledge prerequisites. Boxes on the same horizontal level can be learned in any order. Unnumbered hexagonal boxes represent objectives common to several hierarchies. Numbered hexagonal boxes represent CROs that provide information prerequisite to the mastery of the current CRO. (These show up on the CRO page as enabling tasks.) Hierarchies which have not been completed have been labelled "TBD" (to be determined).
1 Perform all F-16 missions [Hands-on]

1.1 Perform mission planning [Hands-on]

1.1.1 Collect mission data from agencies [Hands-on]

1.1.1.1 Collect intelligence data [Hands-on]

1.1.1.1.1 Given a mission, state the elements of intelligence data which must be collected for premission planning without omission. [Academic]

1.1.1.1.2 State the definitions of standard intelligence terms without error [Academic]

1.1.1.2 Collect weather data [Hands-on]

1.1.1.2.1 With no omissions, state the elements of weather data which must be collected for premission planning for non-tactical missions. [Academic]

1.1.1.2.2 State the uses of weather information in planning tactical missions without omission. [Academic]

1.1.1.3 Collect operations data [Hands-on]

1.1.1.3.1 Given a specific mission, state the elements of operations data which must be collected for premission planning without omission. [Academic]

1.1.1.3.2 State the elements of operations data which must be collected prior to a tactical mission for premission planning, without omission. [Academic]

1.1.2 Determine the mission data [Hands-on]

1.1.2.1 Determine pretakeoff data [Hands-on]

1.1.2.1.1 Determine mission-required personal support equipment [Hands-on]

1.1.2.1.2 Determine station time [Hands-on]

1.1.2.1.3 Determine start engine time [Hands-on]

1.1.2.1.4 List the pretakeoff data which must be determined during premission planning. [Hands-on]

1.1.2.2 Determine takeoff data [Hands-on]

1.1.2.2.1 Compute gross weight [Hands-on]

1.1.2.2.1.1 Given aircraft configuration information and the classified supplement to the -1, compute gross weight within +/- 500 pounds. [Academic]

1.1.2.2.2 Compute drag index [Hands-on]

1.1.2.2.2.1 Given aircraft configuration information and the classified supplement to the -1, determine drag index without error. [Academic]

1.1.2.2.3 Compute takeoff factor [Hands-on]

1.1.2.2.3.1 Given environmental data and aircraft configuration, compute takeoff factor within +/- .2 units. [Academic]
1.1.2.2.4 Compute rotation speed and takeoff speed [Hands-on]

1.1.2.2.4.1 Given aircraft configuration information, center of gravity and gross weight, compute rotation speed and takeoff speed within +/- 5 KIAS [Academic]

1.1.2.2.5 Compute takeoff and landing crosswind components [Hands-on]

1.1.2.2.5.1 Given runway heading, wind speed and direction, compute takeoff and landing crosswind components within +/- 2 knots. [Academic]

1.1.2.2.6 Compute takeoff roll (ground run distance) [Hands-on]

1.1.2.2.6.1 Given drag index, takeoff gross weight, corrected and uncorrected takeoff speed, runway slope, wind speed and direction, and takeoff factor, compute takeoff roll (ground run distance) within +/- 200 feet. [Academic]

1.1.2.2.7 Compute acceleration check speed [Hands-on]

1.1.2.2.7.1 Given drag index, takeoff gross weight, corrected and uncorrected takeoff speed, runway slope, wind speed and direction, and takeoff factor, compute acceleration, check speed within +/- 5 KIAS. [Academic]

1.1.2.2.8 Compute maximum abort speed and maximum brake speed for MIL or MAX power takeoffs [Hands-on]

1.1.2.2.8.1 Given takeoff gross weight, runway slope, wind speed and direction, and takeoff factor, compute maximum abort speed and maximum brake speed for MIL or MAX power takeoffs within +/- 5 KIAS. [Academic]

1.1.2.2.9 Compute effect of runway condition on maximum abort speed [Hands-on]

1.1.2.2.9.1 Given takeoff gross weight, runway slope, wind speed and direction, and takeoff factor, compute effect of runway condition on maximum abort speed within +/- 10 percent. [Academic]

1.1.2.3 Determine departure data [Hands-on]

1.1.2.3.1 Calculate taxi, takeoff, and climbout fuel, time, and distance for MIL/MAX power thrust [Hands-on]

1.1.2.3.1.1 Given a mission assignment and relevant mission information, calculate taxi, takeoff, and climbout fuel (time and distance) for MIL/MAX power thrust. Time correct within +/- 0.5 minute, fuel within +/- 50 pounds, and distance +/- 2 miles. [Academic]

1.1.2.3.2 Calculate best cruise altitude and combat, cruise, and service ceiling altitudes [Hands-on]

1.1.2.3.2.1 Given a mission assignment and relevant mission information, compute best cruise altitude and combat, cruise, and service ceiling altitudes. Altitude values must be correct within +/- 1,000 feet. [Academic]

1.1.2.3.3 Compute military thrust climb performance data [Hands-on]

1.1.2.3.3.1 Given a mission assignment and relevant mission information, compute military thrust climb performance data. Time values must be correct within +/- 0.5 minute, fuel values within +/- 50 pounds, and distance values within +/- 2 miles. [Academic]

1.1.2.3.4 Compute maximum A/B climb performance data [Hands-on]
1.1.2.3.4.1 Given a mission assignment and relevant mission information, compute maximum A/B climb performance data. Time must be correct within +/- .2 minutes, fuel within +/- 100 pounds, and distance within +/- 2 miles. [Academic]

1.1.2.4 Determine enroute data [Hands-on]

1.1.2.4.1 Compute optimum Mach/constant altitude cruise: Mach number, true airspeed, groundspeed, and time required to cruise a given distance [Hands-on]

1.1.2.4.1.1 Given a mission assignment and relevant mission info, compute optimum Mach/constant alt. cruise: Mach number +/- .01, true airspeed +/- 10 knots, groundspeed +/- 10 knots, and time required to cruise a given distance within +/- 2 1/2 mins. [Hands-on]

1.1.2.4.2 Compute optimum Mach/constant altitude cruise: specific range, fuel flow, and fuel required to cruise a specified time [Hands-on]

1.1.2.4.2.1 Given a mission assignment and relevant mission info, compute optimum Mach/constant alt. cruise: specific range within +/- 0.005 nautical miles/lb., fuel flow within +/- 100 lbs/hr., and fuel required to cruise a specified time within +/- 100 lb. [Academic]

1.1.2.4.3 Compute altitude factor [Hands-on]

1.1.2.4.3.1 Given a mission assignment and relevant mission information, compute altitude factor within +/- 0.2 [Academic]

1.1.2.4.4 Convert altitude factor into altitude. [Hands-on]

1.1.2.4.4.1 Given a mission assignment and relevant mission information, convert altitude factor into altitude within +/- 500 ft. [Academic]

1.1.2.4.5 Compute optimum Mach/optimum altitude cruise data from Subsonic Cruise charts [Hands-on]

1.1.2.4.5.1 Given a mission assignment and relevant mission information, compute optimum mach/optimum altitude cruise data from subsonic cruise charts. [Academic]

1.1.2.4.6 Compute optimum Mach/constant altitude cruise data from Subsonic Cruise charts [Hands-on]

1.1.2.4.6.1 Given a mission assignment and relevant mission information, compute optimum Mach/constant altitude cruise data from Subsonic Cruise charts. [Academic]

1.1.2.4.7 Compute constant Mach/constant altitude cruise data from Subsonic Cruise charts [Hands-on]

1.1.2.4.7.1 Given a mission assignment and relevant mission information, compute constant Mach constant altitude cruise data from Subsonic Cruise charts. [Academic]

1.1.2.4.8 Compute constant Mach/optimum altitude cruise data from Subsonic Cruise charts [Hands-on]

1.1.2.4.8.1 Given a mission assignment and relevant mission information, compute constant Mach/optimum altitude cruise data from Subsonic Cruise charts. [Academic]

1.1.2.4.9 Compute aircraft specific range [Hands-on]

1.1.2.4.9.1 Given a mission assignment and relevant mission information, compute aircraft specific range within +/- .0025 nautical miles/pound. [Academic]

1.1.2.4.10 Compute aircraft fuel flow [Hands-on]
1.1.2.4.10.1 Given a mission assignment and relevant mission information, compute aircraft fuel flow. [Academic]

1.1.2.4.11 Compute aircraft optimum cruise climb performance data from Optimum Cruise Summary chart [Hands-on]

1.1.2.4.11.1 Given a mission assignment and relevant mission information, compute aircraft optimum cruise-climb performance data from Optimum Cruise Summary chart. [Academic]

1.1.2.4.12 Plan an ingress profile for the mission [Hands-on]

1.1.2.4.12.1 Identify potential enemy threats enroute [Hands-on]

1.1.2.4.12.1.1 Given a mission assignment and intel data, identify potential enemy threats which may be encountered with no omissions. [Academic]

1.1.2.4.12.1.1.1 Name the considerations of most importance for identifying potential enemy threats enroute without omissions. [Academic]

1.1.2.4.12.2 Determine best aircraft defense against each potential enemy threat [Hands-on]

1.1.2.4.12.2.1 Given potential enemy threats, state the best aircraft defense against each in accordance with tactical doctrine. [Academic]

1.1.2.4.12.3 Plan passive and active defensive profiles [Hands-on]

1.1.2.4.12.3.1 Given a mission assignment and relevant mission information, plan passive and active defensive profiles in accordance with tactical doctrine. [Academic]

1.1.2.4.12.3.1.1 State the steps and principles in planning active and passive defensive profiles in accordance with current tactical doctrine. [Academic]

1.1.2.4.12.4 Given a mission assignment and relevant mission data, plan an ingress profile. [Academic]

1.1.2.4.12.4.1 Name the considerations of most importance for planning an ingress profile without omission. [Academic]

1.1.2.4.13 Plan altitude and airspeed profiles as well as navigation route [Hands-on]

1.1.2.4.13.1 Given a mission assignment and relevant mission information, plan altitude and airspeed profiles as well as navigational route. [Academic]

1.1.2.4.13.1.1 State the steps and principles in planning altitude and airspeed profiles as well as navigation route in accordance with current doctrine and regulations. [Academic]

1.1.2.4.14 Select initial point [Hands-on]

1.1.2.4.14.1 Given a mission assignment and relevant mission information, select an initial point. [Academic]

1.1.2.4.14.1.1 Name the considerations of most importance for selecting an initial point in accordance with current doctrine and regulations. [Academic]

1.1.2.4.15 Select offset aim points [Hands-on]
1.1.2.4.15.1 Given a mission assignment and relevant mission information, select offset aim points [Academic]

1.1.2.4.15.1.1 State conditions under which an offset aim point is required in accordance with doctrine and regulations [Academic]

1.1.2.4.15.1.2 Name the considerations of most importance for selecting an offset aim point in accordance with current doctrine and regulations [Academic]

1.1.2.4.16 Calculate offset data for offset aim point [Hands-on]

1.1.2.4.16.1 Given target area charts, a divider, and a plotter, calculate the offset data for an offset aim point within +/- the smallest unit on the target area chart [Academic]

1.1.2.4.16.1.1 Describe the procedure for calculating offset for offset data aim point without omission [Academic]

1.1.2.4.17 Select enroute navigation modes [Hands-on]

1.1.2.4.17.1 Given a mission assignment and relevant mission information, select enroute navigation modes [Academic]

1.1.2.4.18 Prepare radar predictions [Hands-on]

1.1.2.4.18.1 Given a route map prepare radar predictions, in accordance with IP judgement [Academic]

1.1.2.4.18.1.1 Given a photograph of an object or terrain feature, describe the radar display accurately [Academic]

1.1.2.4.18.2 Describe the effect of errors present in radar ground mapping operations and state considerations in overcoming those effects [Academic]

1.1.2.4.19 Prepare enroute map [Hands-on]

1.1.2.4.19.1 Given a mission assignment and relevant mission information, prepare enroute map in accordance with IP judgement [Academic]

1.1.2.4.19.1.1 Describe the procedure for preparing enroute map and name the considerations of most importance with no omissions [Academic]

1.1.2.4.20 Determine divert route, fuel, time, and distance (E) [Hands-on]

1.1.2.4.20.1 Given a mission assignment and relevant mission information, determine divert route, fuel, time, and distance [Academic]

1.1.2.4.20.1.1 Name the considerations of most importance for determining divert route, fuel, time, and distance with no omissions [Academic]

1.1.2.4.21 Given a mission assignment and relevant mission information, plan the enroute phase of the mission consistent with the overall mission plan in accordance with IP judgement [Academic]

1.1.2.4.22 Describe the procedure for enroute planning and name the considerations of most importance with no omissions. [Academic]

1.1.2.4.23 Name the aids to navigation and identify the situations where each may or should be employed with no omissions. [Academic]
1.1.2.5 Accomplish air-to-air refueling planning [Hands-on]

1.1.2.5.1 Given a mission assignment and relevant mission information, accomplish air-to-air refueling planning [Academic]

1.1.2.5.1.1 Describe the procedure for accomplishing air-to-air refueling planning without omission [Academic]

1.1.2.6 Prepare combat data [Hands-on]

1.1.2.6.1 Prepare air-to-surface combat data [Hands-on]

1.1.2.6.1.1 Plan the delivery profile [Hands-on]

1.1.2.6.1.1.1 Determine primary and alternate delivery modes [Hands-on]

1.1.2.6.1.1.1 Given a mission assignment and relevant mission data determine primary and alternate delivery modes in accordance with IP judgement. [Academic]

1.1.2.6.1.1.1.1 Given the varieties of delivery modes, describe the situations where each may or should be employed in accordance with IP judgement. (Weapons Systems) [Academic]

1.1.2.6.1.1.2 Evaluate target characteristics [Hands-on]

1.1.2.6.1.1.2.1 Given a mission assignment and relevant mission data evaluate target characteristics in accordance with current doctrine and regulations. [Academic]

1.1.2.6.1.1.2.1.1 Name the considerations of most importance for evaluating target characteristics with no omissions [Academic]

1.1.2.6.1.1.2.1.2 State the major sources of target information (JHMS, etc.) with no omissions, and briefly describe the nature of the information without error [Academic]

1.1.2.6.1.1.3 Evaluate threat data in target area [Hands-on]

1.1.2.6.1.1.3.1 Given a mission assignment and relevant mission data, evaluate threat data in target area in accordance with current doctrine and regulations. [Academic]

1.1.2.6.1.1.3.1.1 Name the considerations most important for target area threat evaluations with no omissions. [Academic]

1.1.2.6.1.1.4 Match ordnance characteristics with specific mission requirements [Hands-on]

1.1.2.6.1.1.4.1 Given a mission assignment and relevant mission data, match ordnance characteristics with specific mission requirements in accordance with current doctrine and regulations. [Academic]

1.1.2.6.1.1.4.1.1 Given ordnance types, describe the situations where each may or should be employed. [Academic]

1.1.2.6.1.1.4.1.2 State the major sources of ordnance effects data given targets (JHMS, etc.) with no omissions and briefly describe the nature of the information without error. [Academic]
1.1.2.6.1.1.5 Select ordnance [Hands-on]

1.1.2.6.1.1.5.1 Given a mission assignment and relevant mission data, select ordnance in accordance with current doctrine and regulations. [Academic]

1.1.2.6.1.1.5.1.1 Name the considerations of most importance for selecting ordnance without omission. [Academic]

1.1.2.6.1.1.6 Determine ordnance data [Hands-on]

1.1.2.6.1.1.6.1 Compute minimum safe separation parameters [Hands-on]

1.1.2.6.1.1.6.1.1 Given a mission assignment and relevant mission data, compute minimum safe separation parameters without error. [Academic]

1.1.2.6.1.1.6.2 Compute frag patterns [Hands-on]

1.1.2.6.1.1.6.2.1 Given a mission assignment and relevant mission data, compute frag patterns within +/- 250 feet. [Academic]

1.1.2.6.1.1.6.3 Determine fuse function times required [Hands-on]

1.1.2.6.1.1.6.3.1 Given weapon, release altitude, dive angle and true air speed, determine fuse function times required without error. [Academic]

1.1.2.6.1.1.6.4 Determine fuse arming times required [Hands-on]

1.1.2.6.1.1.6.4.1 Given a mission assignment and relevant mission data, determine fuse arming times required without error. [Academic]

1.1.2.6.1.1.7 Select roll-in altitude profile [Hands-on]

1.1.2.6.1.1.7.1 Given a mission assignment and relevant mission data, select roll-in altitude profile in accordance with current tactical doctrine. [Academic]

1.1.2.6.1.1.7.1.1 Name the considerations of most importance for selecting roll-in profile with no omissions. [Academic]

1.1.2.6.1.1.8 Select target attack heading [Hands-on]

1.1.2.6.1.1.8.1 Given a mission assignment and relevant mission data, select target attack heading in accordance with current tactical doctrine. [Academic]

1.1.2.6.1.1.8.1.1 Name the considerations of most importance for selecting target attack heading with no omissions. [Academic]

1.1.2.6.1.1.9 Select dive angle [Hands-on]

1.1.2.6.1.1.9.1 Given a mission assignment and relevant mission data, select dive angle in accordance with current tactical doctrine and regulations. [Academic]

1.1.2.6.1.1.9.1.1 Name the considerations most important for selecting dive angle with no omissions. [Academic]

1.1.2.6.1.1.10 Select release pressure altitude and convert to indicated altitude. [Hands-on]
1.1.2.6.1.1.10.1 Given a mission assignment and relevant mission data, select release pressure altitude IAW current tactical doctrine and regulations. [Academic]

1.1.2.6.1.1.10.1.1 Name the considerations of most importance for selecting release pressure altitude with no omissions. [Academic]

1.1.2.6.1.1.10.2 Given a pressure altitude, convert it to indicated altitude without error (E) [Academic]

1.1.2.6.1.1.11 Compute altitude loss during recovery [Hands-on]

1.1.2.6.1.1.11.1 Given a planned delivery profile, compute altitude loss during recovery within +/- 50 feet. [Academic]

1.1.2.6.1.1.12 Determine release true airspeed and convert to indicated airspeed [Hands-on]

1.1.2.6.1.1.12.1 Given a planned delivery profile, determine release true airspeed within +/- 10 knots. [Academic]

1.1.2.6.1.1.12.2 Given appropriate Desn 34 charts and requisite data, convert the release true airspeed to indicated airspeed within +/- KIAS (E). [Academic]

1.1.2.6.1.1.13 Select number of passes [Hands-on]

1.1.2.6.1.1.13.1 Given a mission assignment and relevant mission data, select the number of passes IAW current tactical doctrine [Academic]

1.1.2.6.1.1.13.1.1 Name the considerations of most importance for selecting the number of passes with no omissions [Academic]

1.1.2.6.1.1.14 Determine manual delivery data [Hands-on]

1.1.2.6.1.1.14.1 Determine MIL setting and wind correction [Hands-on]

1.1.2.6.1.1.14.1.1 Given a planned delivery profile, determine MIL setting and wind correction within +/- 5 MILs. [Academic]

1.1.2.6.1.1.14.2 Determine release range [Hands-on]

1.1.2.6.1.1.14.2.1 Given a planned delivery profile, determine release range within +/- 50 feet [Academic]

1.1.2.6.1.1.14.3 Determine aim off distance [Hands-on]

1.1.2.6.1.1.14.3.1 Given a planned delivery profile, determine aim off distance within +/- 100 feet [Academic]

1.1.2.6.1.1.14.4 Compute impact interval in milliseconds for given stick length [Hands-on]

1.1.2.6.1.1.14.4.1 Given a planned delivery profile, compute impact interval in milliseconds for given stick length within +/- 10 milliseconds. [Academic]

1.1.2.6.1.1.14.5 Calculate crosswind correction [Hands-on]

1.1.2.6.1.1.14.5.1 Given a planned delivery profile, windspeed, and wind direction, calculate crosswind correction within +/- 1 foot/knot. [Academic]
1.1.2.6.1.14.6 Calculate initial pipper placement (IPP) [Hands-on]

1.1.2.6.1.14.6.1 Given a planned delivery profile, calculate initial pipper placement (IPP) within +/- 5 KILS. [Academic]

1.1.2.6.1.14.7 Calculate RAP [Hands-on]

1.1.2.6.1.14.7.1 Given a planned delivery profile, calculate RAP within +/- 10 feet. [Academic]

1.1.2.6.1.14.8 Describe the function of each type of data to be derived during manual delivery planning without error [Academic]

1.1.2.6.1.14.15 Given a mission assignment and relevant mission data, plan the delivery profile in accordance with current doctrine and regulations. [Academic]

1.1.2.6.1.14.15.1 Given a mission assignment and relevant mission data, plan the delivery profile in accordance with current doctrine and regulations. [Academic]

1.1.2.6.1.2 Plan egress profile (altitude, airspeed, and heading) from the immediate target area [Hands-on]

1.1.2.6.1.2.1 Given a mission assignment and relevant mission data, plan an appropriate egress profile (altitude, airspeed, and heading) from the immediate target area in accordance with IP judgement [Academic]

1.1.2.6.1.2.2 Name the considerations most important for planning an egress profile from the immediate target area with no omissions. [Academic]

1.1.2.6.1.3 Accomplish premission planning for specific A-S missions [Hands-on]

1.1.2.6.1.3.1 Plan for SCAR missions as strike aircraft (C) [Hands-on]

1.1.2.6.1.3.1.1 Given a mission assignment and relevant mission data, plan for a SCAR mission as strike aircraft in accordance with current tactical doctrine [Academic]

1.1.2.6.1.3.1.1.1 State the tactical considerations for planning a SCAR mission with no omissions [Academic]

1.1.2.6.1.3.2 Plan for close air support missions (C) [Hands-on]

1.1.2.6.1.3.2.1 Given a mission assignment and relevant mission data, plan for a close air support mission in accordance with current tactical doctrine [Academic]

1.1.2.6.1.3.2.1.1 State the tactical considerations for planning a close air support mission with no omissions [Academic]

1.1.2.6.1.3.3 Plan for hunter-killer missions (C) [Hands-on]

1.1.2.6.1.3.3.1 Given a mission assignment and relevant mission data, plan for a hunter-killer mission IAW current tactical doctrine [Academic]

1.1.2.6.1.3.3.1.1 State the tactical considerations for planning a hunter-killer mission with no omissions. [Academic]

1.1.2.6.1.3.4 Plan for air-to-surface escort missions (C) [Hands-on]
1.1.2.6.1.3.4.1 Given a mission assignment and relevant mission data, plan for an air-to-surface escort mission IAW current tactical doctrine. [Academic]

1.1.2.6.1.3.4.1.1 State the tactical considerations for planning air-to-surface escort mission with no omissions. [Academic]

1.1.2.6.1.3.5 Plan for day interdiction missions [Hands-on]

1.1.2.6.1.3.5.1 Given a mission assignment and relevant mission data, plan for a day interdiction mission IAW current tactical doctrine. [Academic]

1.1.2.6.1.3.5.1.1 State the tactical considerations for planning a day interdiction mission with no omissions. [Academic]

1.1.2.6.1.3.6 Plan for armed recce missions [Hands-on]

1.1.2.6.1.3.6.1 Given a mission assignment and relevant mission data, plan for an armed recce mission IAW current tactical doctrine. [Academic]

1.1.2.6.1.3.6.1.1 State the tactical considerations for planning armed recce mission with no omissions. [Academic]

1.1.2.6.1.3.7 Plan for night air-to-surface missions [Hands-on]

1.1.2.6.1.3.7.1 Given a mission assignment and relevant mission data, plan for a night air-to-surface mission IAW current tactical doctrine. [Academic]

1.1.2.6.1.3.7.1.1 State the tactical considerations for planning a night air-to-surface mission with no omissions. [Academic]

1.1.2.6.1.3.8 Plan for conventional or tactical range mission (T) [Hands-on]

1.1.2.6.1.3.8.1 Given a mission assignment and relevant mission data, plan for a conventional or tactical range mission IAW current tactical doctrine and training restrictions [Academic]

1.1.2.6.1.3.8.1.1 State the tactical considerations for planning a conventional or tactical range mission with no omissions. [Academic]

1.1.2.6.1.3.8.2 Given a mission assignment and relevant mission data, plan for a conventional range mission IAW current training restrictions. [Academic]

1.1.2.6.1.3.9 Plan for nuclear strike mission. [Hands-on]

1.1.2.6.1.3.10 Given the varieties of A-S missions, describe the situations where each may be or should be employed in accordance with current tactical doctrine with no omissions. [Academic]

1.1.2.6.2 Plan for air-to-air combat missions. [Hands-on]

1.1.2.6.2 Plan for intercept missions [Hands-on]

1.1.2.6.2.1 Given a mission assignment and relevant mission data, plan for an intercept mission IAW current doctrine and regulations. [Academic]

1.1.2.6.2.1.1 State the primary principles in planning an intercept mission IAW the Phase Manual with no omissions. [Academic]
1.1.2.6.2.2 Plan for air-to-air escort missions (C) [Hands-on]

1.1.2.6.2.2.1 Given a mission assignment and relevant mission data plan for an air-to-air escort mission. [Academic]

1.1.2.6.2.2.1.1 State the primary principles in planning an air-to-air escort mission with no omissions. [Academic]

1.1.2.6.2.3 Plan for CAP missions (C) [Hands-on]

1.1.2.6.2.3.1 Given a mission assignment and relevant mission data, plan for a CAP mission. [Academic]

1.1.2.6.2.3.1.1 State the primary principles in planning a CAP mission with no omissions. [Academic]

1.1.2.6.2.4 Plan for DART (T) [Hands-on]

1.1.2.6.2.4.1 Given a mission assignment and relevant mission data plan for a DART mission IAW current doctrine and regulations. [Academic]

1.1.2.6.2.4.1.1 State the primary principles in planning a DART (T) mission with no omissions. [Academic]

1.1.2.6.2.4.1.2 Correctly state the rules-of-engagement for the DART mission IAW current regulations and directives without error or omission. [Academic]

1.1.2.6.2.5 Plan for ACBT (T) [Hands-on]

1.1.2.6.2.5.1 Given a mission assignment and relevant mission data, plan for an ACBT mission IAW current doctrine and regulations. [Academic]

1.1.2.6.2.5.1.1 State the primary principles in planning an ACBT (T) mission with no omissions. [Academic]

1.1.2.6.2.5.1.2 Correctly state the rules-of-engagement for ACBT missions IAW current regulations and directives without errors or omissions [Academic]

1.1.2.6.2.6 Name the varieties of air-to-air missions without omission, and identify the situation where each may or should be employed without error. [Academic]

1.1.2.6.2.7 Correctly state the rules-of-engagement IAW current regulations and directives. [Academic]

1.1.2.6.3 Determine nuclear strike data [Hands-on]

1.1.2.6.3.1 State the unique considerations in planning a nuclear mission to include reattack and alternate targets. [Academic]

1.1.2.6.3.2 Calculate all required parameters and settings for nuclear deliveries [Academic]

1.1.2.7 Plan recovery [Hands-on]

1.1.2.7.1 Plan descent [Hands-on]

1.1.2.7.1.1 Determine enroute pass or STAR descent point [E] [Hands-on]
1.1.2.7.1.1 Given a mission assignment and relevant mission information, determine enroute radar or STAR descent point (E) [Academic]

1.1.2.7.1.2 Determine visual descent point (E) [Hands-on]

1.1.2.7.1.3 Determine penetration descent point (E) [Hands-on]

1.1.2.7.1.3.1 Given a mission assignment and relevant mission information, determine penetration point (E) without error [Academic]

1.1.2.7.1.4 Calculate minimum fuel/maximum range descent point [Hands-on]

1.1.2.7.1.4.1 Given a mission assignment and relevant mission information, calculate the minimum fuel/maximum range descent point within +/- 10 percent. [Academic]

1.1.2.7.1.4.1.1 Describe the procedure for calculating the minimum fuel/maximum range descent point with no omissions. [Academic]

1.1.2.7.2 Calculate the descent fuel requirement [Hands-on]

1.1.2.7.2.1 Given a mission assignment and relevant mission information, calculate the descent fuel requirement within +/- 10 percent. [Academic]

1.1.2.7.2.1.1 Describe the procedure for calculating descent fuel with no omissions. [Academic]

1.1.2.7.3 Plan approach [Hands-on]

1.1.2.7.3.1 Compute minimum safe altitude (using FLIP) (E) [Hands-on]

1.1.2.7.3.1.1 Given a mission assignment and relevant mission information, compute minimum safe altitude (using FLIP) (E) without error. [Academic]

1.1.2.7.3.2 Select type of approach [Hands-on]

1.1.2.7.3.3 Determine IFR minimums (E) [Hands-on]

1.1.2.7.3.3.1 Given an approach plate, IFR supplement, and aircraft category code, determine IFR minimums (E) for each type approach without error. [Academic]

1.1.2.8 Compute landing data for primary and alternate airfields [Hands-on]

1.1.2.8.1 Given a mission assignment and relevant mission information, compute landing data for primary and alternate airfields. [Academic]

1.1.2.8.1.1 Describe the procedure for computing landing data with no omissions. [Academic]

1.1.3 Record data on mission data card [Hands-on]

1.1.3.1 List the items of information required on the mission data card for each type of mission with no omissions. [Academic]

1.1.4 Attend mission briefing [Academic]

1.1.5 Perform mission briefing (flight lead) [Hands-on]
1.1.5.1 Given a mission assignment and relevant mission information, brief the mission (IP judgement).

1.1.5.1.1 Describe the procedure for planning a mission briefing and name the considerations of most importance, with no omissions. [Academic]
1.1 PREMISSION PLANNING CRITERION-REFERENCED OBJECTIVES

The following list of numbers corresponds to number designators for tasks that have not had CROs prepared. As time and manpower permit, future members of the F-16 OTD team may want to complete or update the CROs. This list along with the sample form used to prepare the CROs are provided to facilitate this latter effort. Tasks needing CROs will be identified at the beginning of each section.

1.1.2.1
1.1.2.2
1.1.2.3
1.1.2.4
1.1.2.4.12
1.1.2.4.18
1.1.2.6
1.1.2.6.1
1.1.2.6.1.1.14
1.1.2.6.1.1.14.6
1.1.2.6.1.3
1.1.2.6.1.3.3 to 1.1.2.6.1.3.5
1.1.2.6.3.7
1.1.2.6.3.8
1.1.2.6.3.9
1.1.2.6.3.9.1
1.1.2.6.2
1.1.2.6.3
1.1.2.6.2.4 to 1.1.2.7.2
1.1.2.7.3
1.1.7.3.1
1.1.7.3.3
TASK NO.: 1.1.1.1

BEHAVIOR: Collect intelligence data

------------------------------------------------------------------------------------------------------------------

CONDITION:

Agency: Intel
   Information source for: Friendly and enemy disposition, strengths, and capabilities affecting the mission; target description

Manuals and pubs: Daily intelligence summaries (DISUM)
   Information source for: Applicable intelligence information

Activity: Collect mission data from agencies

External environment: N/A

Aids:

Product of previous task: None

Initiation cues: None
   Systems presenting cues: N/A

------------------------------------------------------------------------------------------------------------------

STANDARD:

Authority: None

Performance precision: Collect completely, to the satisfaction of the instructor

Computational accuracy: N/A
TASK NO.: 1.1.1.2

BEHAVIOR: Collect weather data

CONDITION:

Agency: Wx
Information source for: AF standard briefing, including required base, enroute and target winds, cloud cover, visibility, D-value

Manuals and pubs: None
Information source for: N/A

Activity: Collect mission data from agencies

External environment: N/A

Aids:

Product of previous task: None

Initiation cues: None
Systems presenting cues: N/A

STANDARD:

Authority: AFR 60-1

Performance precision: N/A

Computational accuracy: N/A
TASK NO.: 1.1.1.3

BEHAVIOR: Collect operations data

CONDITION:

Agency: Ops
Information source for: Aircraft #, weapon status, takeoff time, active runway, special mission restrictions, target

Manuals and pubs: Fragmentary order
Information source for: Operating instruction/restrictions, target/TOT/support aircraft, agencies

Activity: Collect mission data from agencies

External environment: N/A

Aids: None

Product of previous task:

Initiation cues: Mission tasking order
Systems presenting cues: N/A

STANDARD:

Authority:

Performance precision:

Computational accuracy:
**TASK NO.:** 1.1.2.1

**BEHAVIOR:** Determine pretakeoff data

**CONDITION:**

* Agency:
  * Information source for:

* Manuals and pubs:
  * Information source for:

* Activity:

* External environment:

* Aids:

* Product of previous task:

* Initiation cues:
  * Systems presenting cues:

**STANDARD:**

* Authority:

* Performance precision:

* Computational accuracy:
TASK NO.: 1.1.2.2.1

BEHAVIOR: Compute gross weight

CONDITION:

Agency: Ops
Information source for: Aircraft configuration

Manuals and pubs: -1
Information source for: Appropriate weights

Activity: Determine takeoff data

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: None
Systems presenting cues: N/A

STANDARD:

Authority: None

Performance precision: N/A

Computational accuracy: +/- 300 LBS
TASK NO.: 1.1.2.2.2

BEHAVIOR: Compute drag index

CONDITION:

Agency: Ops
Information source for: Aircraft configuration

Manuals and pubs: -1
Information source for: Drag indexes

Activity: Determine takeoff data

External environment: N/A

Aids: None

Product of previous task: None
Initiation cues: None
Systems presenting cues: N/A

STANDARD:

Authority: None
Performance precision:
Computational accuracy: +/- 5 units
TASK NO.: 1.1.2.2.3

BEHAVIOR: Compute takeoff factor

---------------------------------------------

CONDITION:

Agency: Wx
  Information source for: Runway temp and pressure altitude

Manusals and pubs: -1
  Information source for: Appropriate chart

Activity: Determine takeoff data

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: None
  Systems presenting cues: N/A

---------------------------------------------

STANDARD:

Authority: None

Performance precision: None

Computational accuracy: +/- .2
TASK NO.: 1.1.2.2.4

BEHAVIOR: Compute rotation speed and takeoff speed

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -1
Information source for: Takeoff Speed chart

Activity: Determine takeoff data

External environment: N/A

Aids: None

Product of previous task: Compute gross weight

Initiation cues: None
Systems presenting cues: N/A

STANDARD:

Authority: -1 Takeoff Speed chart

Performance precision:

Computational accuracy: +/- 5 knots
TASK NO.: 1.1.2.2.5

BEHAVIOR: Compute takeoff and landing crosswind components

CONDITION:

Agency: Wx
   Information source for: Winds at takeoff time

Manuals and pubs: -1
   Information source for: Takeoff and Landing Crosswing Limits chart, and actual crosswind limit value

Activity: Determine takeoff data

External environment: N/A

Aids: None

Product of previous task: Collect operations data (active runway)

Initiation cues: None
   Systems presenting cues: N/A

STANDARD:

Authority: None

Performance precision:

Computational accuracy: +/- 2 knots
TASK NO.: 1.1.2.2.6

BEHAVIOR: Compute takeoff roll (ground run distance)

CONDITION:

Agency: Ops
Information source for: Runway slope

Manuals and pubs: -
Information source for: Chart

Activity: Determine takeoff data

External environment: N/A

Aids: None

Product of previous task: Compute gross weight; compute drag index; compute takeoff and landing crosswind components; compute takeoff factor

Initiation cues: None
Systems presenting cues: N/A

STANDARD:

Authority: Takeoff Ground Run Distance chart

Performance precision:

Computational accuracy: +/- 200 FT
TASK NO.: 1.1.2.2.7

BEHAVIOR: Compute acceleration check speed

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -1
Information source for: Acceleration Check Speed chart

Activity: Determine takeoff data

External environment: N/A

Aids: None

Product of previous task: Compute gross weight; compute drag index; compute takeoff factor; compute takeoff and landing crosswind components; collect Ops data (runway slope)

Initiation cues: None
Systems presenting cues: N/A

STANDARD:

Authority: -1 Acceleration Check Speed chart

Performance precision:

Computational accuracy: +/- 5 knots
TASK NO.: 1.1.2.2.8

BEHAVIOR: Compute maximum abort speed and maximum brake speed for MIL or MAX power takeoffs

CONDITION:

Agency: Ops
  Information source for: Runway length, runway slope

Manuals and pubs: -1
  Information source for: Maximum Abort Speed (Military Thrust Takeoff) and (Maximum A/B Thrust Takeoff) charts

Activity: Determine takeoff data

External environment: N/A

Aids: None

Product of previous task: Compute gross weight; compute takeoff factor; compute takeoff and landing crosswind components; compute drag index

Initiation cues: None
  Systems presenting cues: N/A

STANDARD:

Authority: Maximum Abort Speed charts

Performance precision:

Computational accuracy: +/- 5 knots
TASK NO.: 1.1.2.2.9

BEHAVIOR: Compute effect of runway condition on maximum abort speed

CONDITION:

Agency: Wx
  Information source for: RCR

Manuals and pubs: -1
  Information source for: Chart

Activity: Determine takeoff data

External environment: N/A

Aids: None

Product of previous task: Compute maximum abort speed

Initiation cues: None
  Systems presenting cues: N/A

STANDARD:

Authority: -1

Performance precision: TBD

Computational accuracy:
TASK NO.: 1.1.2.3.1

BEHAVIOR: Calculate taxi, takeoff, and climbout fuel, time, and distance for MIL/MAX power thrust

CONDITION:

Agency: Wx, Ops
   Information source for: Takeoff temperature, taxi distance, runway elevation

Manuals and pubs: -1
   Information source for: Climbout Fuel, Time, Distance charts

Activity: Departure data

External environment: N/A

Aids: None

Product of previous task: Compute gross weight; compute drag index

Initiation cues: None
   Systems presenting cues: N/A

STANDARD:

Authority: -1 Climbout Fuel, Time, Distance charts

Performance precision:

Computational accuracy: +/- 50 LBS; +/- 1 MIN; +/- 5 NM
TASK NO.: 1.1.2.3.2

BEHAVIOR: Calculate best cruise altitude and combat, cruise, and service ceiling altitudes

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -1
Information source for: Appropriate chart

Activity: Determine departure data

External environment: N/A

Aids: None

Product of previous task: Collect weather data

Initiation cues: None
Systems presenting cues: N/A

STANDARD:

Authority: -1

Performance precision: N/A

Computational accuracy: TBD
TASK NO.: 1.1.2.3.3

BEHAVIOR: Compute military thrust climb performance data

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -1
Information source for: Appropriate chart

Activity: Determine departure data

External environment: N/A

Aids: None

Product of previous task: Compute drag index

Initiation cues: None
Systems presenting cues: N/A

STANDARD:

Authority: -1

Performance precision: N/A

Computational accuracy: TBD
TASK NO.: 1.1.2.3.4

BEHAVIOR: Compute maximum A/B climb performance data

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -1
Information source for: Appropriate chart

Activity: Determine departure data

External environment: N/A

Aids: None

Product of previous task: Drag index

Initiation cues: None
Systems presenting cues: N/A

STANDARD:

Authority: -1

Performance precision: N/A

Computational accuracy: TBD
TASK NO.: 1.1.2.4.9

BEHAVIOR: Compute aircraft specific range

----------------------------------------------------------

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: -1

Information source for: Appropriate chart

Activity: Determine enroute data

External environment: N/A

Aids: None

Product of previous task: Compute gross weight

Initiation cues: None

Systems presenting cues: N/A

----------------------------------------------------------

STANDARD:

Authority: -1

Performance precision: N/A

Computational accuracy: TBD
TASK NO.: 1.1.2.4.10

BEHAVIOR: Compute aircraft fuel flow

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -1
Information source for: Appropriate charts

Activity: Determine enroute data

External environment: N/A

Aids: None

Product of previous task:

Initiation cues: None
Systems presenting cues: N/A

STANDARD:

Authority: -1

Performance precision: N/A

Computational accuracy: TBD
TASK NO.: 1.1.2.4.11

BEHAVIOR: Compute aircraft optimum cruise-climb performance data from Optimum Cruise Summary chart

CONDITION:

Agency: None
  Information source for: N/A

Manuals and pubs: -1
  Information source for: Appropriate chart

Activity: Determine enroute data

External environment: N/A

Aids: None

Product of previous task: Compute gross weight; compute drag index

Initiation cues: None
  Systems presenting cues: N/A

STANDARD:

Authority: -1

Performance precision: N/A

Computational accuracy: TBD
TASK NO.: 1.1.2.4.12

BEHAVIOR: Plan an ingress profile for the mission

CONDITION:

Agency:
  Information source for:

Manuals and pubs:
  Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:
  Systems presenting cues:

STANDARD:

Authority:

Performance precision:

Computational accuracy:
TASK NO.: 1.1.2.4.12.1

BEHAVIOR: Identify potential enemy threats enroute

CONDITION:

Agency: Intel
  Information source for: Photos, descriptions, predicted locations

Manuals and pubs:
  Information source for:

Activity: Determine ingress profile

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues:
  Systems presenting cues:

STANDARD:

Authority: None

Performance precision: 100%

Computational accuracy: N/A
TASK NO.: 1.1.2.4.12.2

BEHAVIOR: Determine best aircraft defense against each potential enemy threat

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -1, -34, 3-1, FWS texts
Information source for: Aircraft flight characteristics and weapon capability; tactics

Activity: Determine ingress profile

External environment: N/A

Aids: None

Product of previous task: 

Initiation cues: None
Systems presenting cues: N/A

STANDARD:

Authority: None

Performance precision: 100%

Computational accuracy: N/A
TASK NO.: 1.1.2.4.12.3

BEHAVIOR: Plan passive and active defensive profiles

CONDITION:

Agency: Intel

Information source for: Description of enemy capabilities/posture:

Manuals and pubs: 3-1, FWS texts, -34, -1

Information source for: Tactics against selected threats

Activity: Determine ingress profile

External environment: N/A

Aids: None

Product of previous task: Determine potential enemy threats enroute; determine aircraft defensive capabilities against selected threats

Initiation cues: None

Systems presenting cues: N/A

STANDARD:

Authority: None

Performance precision:

Computational accuracy: N/A
TASK NO.: 1.1.2.4.13

BEHAVIOR: Plan altitude and airspeed profile as well as navigation route

CONDITION:

Agency: None
   Information source for: N/A

Manuals and pubs: None
   Information source for: N/A

Activity: Determine enroute data

External environment: N/A

Aids: Dividers, planning key, appropriate maps and charts

Product of previous task: Collect intelligence data (enemy order of battle, safe areas, target attack restrictions); collect weather data (winds, cloud cover, visibility); collect operations data (special operating instructions/restrictions, target location), compute taxi, takeoff and climbout, fuel, time and distance

Initiation cues: None
   Systems presenting cues: N/A

STANDARD:

Authority: 60-2; AFR 60-16; AFM 3-1

Performance precision: N/A

Computational accuracy: N/A
TASK NO.: 1.1.2.4.14

BEHAVIOR: Select initial point

CONDITION:

Agency:
  Information source for:

Manuals and pubs:
  Information source for:

Activity: Determine enroute data

External environment: N/A

Aids:

Product of previous task:

Initiation cues:
  Systems presenting cues:

STANDARD:

Authority:

Performance precision:

Computational accuracy:
TASK NO.: 1.1.2.4.15

BEHAVIOR: Select offset aim points

CONDITION:

Agency:
  Information source for:

Manuals and pubs:
  Information source for:

Activity: Determine enroute data

External environment: N/A

Aids:

Product of previous task:

Initiation cues:
  Systems presenting cues:

STANDARD:

Authority:

Performance precision:

Computational accuracy:
TASK NO.: 1.1.2.4

BEHAVIOR: Determine enroute data

CONDITION:

Agency:
  Information source for:

Manuals and pubs:
  Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:
  Systems presenting cues:

STANDARD:

Authority:

Performance precision:

Computational accuracy:
TASK NO.: 1.1.2.4.1

BEHAVIOR: Compute optimum Mach/constant altitude cruise: Mach number, true airspeed, groundspeed, and time required to cruise a given distance

CONDITION:

Agency: Wx
Information source for: Winds and temperature enroute

Manuale and pubs: -1
Information source for: Constant Altitude Cruise - Mach, Speed, Time chart

Activity: Determine enroute data

External environment: N/A

Aids: None

Product of previous task: Compute gross weight; compute drag index; determine navigation route (total distance)/altitude profile

Initiation cues: None
Systems presenting cues: N/A

STANDARD:

Authority: -1 Constant Altitude Cruise - Mach, Speed, Time chart (Sheet 1)

Performance precision:

Computational accuracy: +/- 20 knots and +/- 5 MIN, .01 INW
TASK NO.: 1.1.2.4.2

BEHAVIOR: Compute optimum Mach/constant altitude cruise: specific range, fuel flow, and fuel required to cruise a specified time

CONDITION:

Agency: Ops
Information source for: Desired cruise altitude, range

Manuals and pubs:
Information source for:

Activity: Determine enroute data

External environment:

Aids:

Product of previous task: Compute gross weight; compute drag index; determine optimum Mach/constant altitude airspeed and time

Initiation cues:
Systems presenting cues:

STANDARD:

Authority: -1 Constant Altitude Cruise - Mach, Speed and Time chart, Sheet 2 (classified)

Performance precision:

Computational accuracy:
TASK NO.: 1.1.2.4.3
BEHAVIOR: Compute altitude factor

CONDITION:
Agency: None
  Information source for: N/A
Manuals and pubs: -1
  Information source for: Appropriate chart
Activity: Determine enroute data
External environment: N/A
Aids: None
Product of previous task: Compute gross weight
Initiation cues: None
  Systems presenting cues: N/A

STANDARD:
Authority: -1
Performance precision: None
Computational accuracy: +/- .2
TASK NO.: 1.1.2.4.4

BEHAVIOR: Convert altitude factor into altitude

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -1
Information source for: Appropriate chart

Activity: Determine enroute data

External environment: N/A

Aids: None

Product of previous task: Compute gross weight

Initiation cues: None
Systems presenting cues: N/A

STANDARD:

Authority: -1

Performance precision: N/A

Computational accuracy: +/- 1,000 FT
TASK NO.: 1.1.2.4.5

BEHAVIOR: Compute optimum Mach/optimum altitude cruise data from Subsonic Cruise charts

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -1
Information source for: Appropriate chart

Activity: Determine enroute data

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: None
Systems presenting cues: N/A

STANDARD:

Authority: -1

Performance precision: N/A

Computational accuracy: TBD
TASK NO.: 1.1.2.4.6

BEHAVIOR: Compute optimum Mach/constant altitude cruise data from Subsonic Cruise charts

-------------------------------------------------------------

CONDITION:

Agency: None
  Information source for: N/A

Manuals and pubs: -1
  Information source for: Appropriate chart

Activity: Determine enroute data

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: None
  Systems presenting cues: N/A

-------------------------------------------------------------

STANDARD:

Authority: -1

Performance precision: TBD

Computational accuracy: TBD
TASK NO.: 1.1.2.4.7

BEHAVIOR: Compute constant Mach/constant altitude cruise data from Subsonic Cruise charts

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -1
Information source for: Appropriate chart

Activity: Determine enroute data

External environment: N/A

Aids: None

Product of previous task: Compute drag index; compute altitude factor

Initiation cues: None
Systems presenting cues: N/A

STANDARD:

Authority: -1

Performance precision: N/A

Computational accuracy: TBD
**TASK NO.:** 1.1.2.4.8

**BEHAVIOR:** Compute constant Mach/optimum altitude cruise data from Subsonic Cruise charts

**CONDITION:**

- Agency: None
  - Information source for: N/A
- Manuals and pubs: -1
  - Information source for: Appropriate chart
- Activity: Determine enroute data
- External environment: N/A
- Aids: None
- Product of previous task: Compute drag index
- Initiation cues: None
  - Systems presenting cues: N/A

**STANDARD:**

- Authority: -1
- Performance precision: N/A
- Computational accuracy: TBD
Task No.: 1.1.2.4.16

Behavior: Calculate offset data for offset aim point

Condition:
- Agency:
  - Information source for:
- Manuals and pubs:
  - Information source for:
- Activity:
- External environment:
- Aids:
- Product of previous task:
- Initiation cues:
  - Systems presenting cues:

Standard:
- Authority:
- Performance precision:
- Computational accuracy:
TASK NO.: 1.1.2.4.17

BEHAVIOR: Select enroute navigation modes

----------------------------------------

CONDITION:

Agency: None
  Information source for: N/A

Manuals and pubs: FWS texts, F-16 Phase Manual, 3-1
  Information source for: Optimum profile

Activity: Determine enroute data

External environment: N/A

Aids: Appropriate maps

Product of previous task: Determine navigation route (available navigation aids)

Initiation cues: None
  Systems presenting cues: N/A

----------------------------------------

STANDARD:

Authority: TBD

Performance precision: N/A

Computational accuracy: TBD
TASK NO.: 1.1.2.4.18

BEHAVIOR: Prepare radar predictions

CONDITION:

Agency:
Information source for:

Manuals and pubs:
Information source for:

Activity: Determine enroute data

External environment: N/A

Aids:

Product of previous task:

Initiation cues:
Systems presenting cues:

STANDARD:

Authority:

Performance precision:

Computational accuracy:
TASK NO.: 1.1.2.4.19

BEHAVIOR: Prepare enroute map

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: AFR 55-25, Vol. I
Information source for: Approved route map annotations

Activity: Determine enroute data

External environment: N/A

Aids: Plotters, straight edge, distance measuring device, appropriate maps

Product of previous task: Determine navigation route; calculate offset aim points; select navigation modes to be used; prepare radar predictions

Initiation cues:

    Systems presenting cues:

STANDARD:

Authority: AFR 55-25, Vol. I

Performance precision: N/A

Computational accuracy: N/A
TASK NO.: 1.1.2.4.20

BEHAVIOR: Determine divert route, fuel, time, and distance (E)

CONDITION:

Agency: Ops, Wx
Information source for: Alternate airfields/status/wx; planned fuel at home base

Manuals and pubs: -1
Information source for: Appropriate chart

Activity: Determine enroute data

External environment: N/A

Aids: None

Product of previous task: Compute drag index (drag indices of retained stores)

Initiation cues: None
Systems presenting cues: N/A

STANDARD:

Authority: -1

Performance precision: N/A

Computational accuracy: 100%
TASK NO.: 1.1.2.5

BEHAVIOR: Accomplish air-to-air refueling planning

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: Air refueling manual

Information source for: Refueling planning

Activity: Determine mission data

External environment: N/A

Aids: None

Product of previous task: Collect operations data (air refueling data)

Initiation cues: None

Systems presenting cues: N/A

STANDARD:

Authority: Refueling Manual IC-1-30

Performance precision: IAW manual

Computational accuracy: N/A
TASK NO.: 1.1.2.6.1.1

BEHAVIOR: Plan the delivery profile

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: FWS texts, 3-1
Information source for: Suggested profiles

Activity: Determine air-to-surface combat data

External environment: N/A

Aids: None

Product of previous task: Evaluate target characteristics; collect operations data (Ops restrictions); collect weather data; evaluate threat data in target area; select dive angle; select target attack heading; match ordnance characteristics with specific mission requirements

Initiation cues: None
Systems presenting cues: N/A

STANDARD:

Authority: TBD

Performance precision: TBD

Computational accuracy: TBD
TASK NO.: 1.1.2.6.1.1.1

BEHAVIOR: Determine primary and alternate delivery modes

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: 3-1, JMEM, -34
Information source for: Tactical considerations, weapons effects, delivery profile restrictions

Activity: Determine delivery profile

External environment: N/A

Aids: None

Product of previous task: Collect intelligence data (enemy disposition in target area); collect weather data (target weather); collect operations data (target restrictions); determine ordnance characteristics; evaluate target characteristics; determine navigation route (run-in profile)

Initiation cues: None
Systems presenting cues: N/A

STANDARD:

Authority: TBD

Performance precision: TBD

Computational accuracy: N/A
TASK NO.: 1.1.2.6.1.1.2

BEHAVIOR: Evaluate target characteristics

CONDITION:

Agency: Intel
  Information source for: NONE

Manuals and pubs:
  Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:
  Systems presenting cues: N/A

STANDARD:

Authority: None

Performance precision: N/A

Computational accuracy: N/A
TASK NO.: 1.1.2.6.1.1.3

BEHAVIOR: Evaluate threat data in target area

CONDITION:

Agency: Intel
Information source for: Probable threat and its characteristics

Manuals and pubs:
Information source for:

Activity: Determine delivery profile

External environment: N/A

Aids: None

Product of previous task: Collect intelligence data (enemy strengths, dispositions, capabilities)

Initiation cues: None
Systems presenting cues: N/A

STANDARD:

Authority: None

Performance precision: N/A

Computational accuracy: N/A
TASK NO.: 1.1.2.6.1.1.4

BEHAVIOR: Match ordnance characteristics with specific mission requirements

CONDITION:

Agency:
Information source for:

Manuals and pubs: -34, 3-1, JMEN
Information source for: Ordnance characteristics

Activity: Determine delivery profile

External environment: N/A

Aids: None

Product of previous task: Collect operations data (weapon load, mission requirements)

Initiation cues: None
 Systems presenting cues: N/A

STANDARD:

Authority: None

Performance precision:

Computational accuracy: N/A
TASK NO.: 1.1.2.6.1.1.5

BEHAVIOR: Select ordnance

---------------------------------------------------------------------------------------------------------------

CONDITION:

Agency: Ops
  Information source for: Available ordnance

Manuals and pubs: 3-1, JMEM
  Information source for: Tactical considerations, weapons effects

Activity: Determine delivery profile

External environment: None

Aids: None

Product of previous task: Evaluate target characteristics; evaluate threat data in target area; match ordnance characteristics with specific mission requirements

Initiation cues: None
  Systems presenting cues: N/A

---------------------------------------------------------------------------------------------------------------

STANDARD:

Authority: None

Performance precision:

Computational accuracy: None
TASK NO.: 1.1.2.6.1.1.6.1

BEHAVIOR: Compute minimum safe separation parameters

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -34
Information source for: Appropriate chart

Activity: Determine ordnance data

External environment: N/A

Aids: None

Product of previous task: Select ordnance (ordnance); collect operations data (Ops restrictions)

Initiation cues: None
Systems presenting cues: N/A

STANDARD:

Authority: -34

Performance precision: N/A

Computational accuracy: 100%
TASK NO.: 1.1.2.6.1.1.6.2

BEHAVIOR: Compute frag patterns

---------------------------------------------------------------

CONDITION:

Agency:
  Information source for:

Manuals and pubs: -34
  Information source for: Frag pattern chart

Activity: Determine ordnance data

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: None

Systems presenting cues: N/A

---------------------------------------------------------------

STANDARD:

Authority: -34

Performance precision: N/A

Computational accuracy: +/- 250 FT
TASK NO.: 1.1.2.6.1.1.6.3

BEHAVIOR: Determine fuse function times required

CONDITION:

Agency:
Information source for:

Manuals and pubs: -34, JMEM
Information source for: Appropriate charts, fusing recommendations for sample targets

Activity: Determine ordnance data

External environment: N/A

Aids: None

Product of previous task: Determine ordnance characteristics; evaluate target characteristics

Initiation cues: None
Systems presenting cues: N/A

STANDARD:

Authority: JMEM

Performance precision:

Computational accuracy:
TASK NO.: 1.1.2.6.1.1.6.4

BEHAVIOR: Determine fuse arming times required

CONDITION:

Agency:
Information source for:

Manuals and pubs: -34
Information source for: Fuse arming selections and escape distances

Activity: Determine ordnance data

External environment: N/A

Aids: None

Product of previous task: Determine delivery profile (post release escape profile)

Initiation cues: None
Systems presenting cues: N/A

STANDARD:

Authority: -34

Performance precision:

Computational accuracy: +/- .5 SEC
TASK NO.: 1.1.2.6.1.1.7

BEHAVIOR: Select roll-in altitude profile

---------------------------------------------

CONDITION:

Agency: None
  Information source for: N/A

Manuals and pubs: FWS texts
  Information source for: Tactics, weapons delivery techniques

Activity: Determine delivery profile

External environment: N/A

Aids: None

Product of previous task: Select release pressure altitude and convert to indicated; determine run-in altitude; evaluate threat data in target area

Initiation cues: None
  Systems presenting cues: N/A

---------------------------------------------

STANDARD:

Authority: FWS text

Performance precision: TBD

Computational accuracy: TBD
TASK NO.: 1.1.2.6.1.1.8

BEHAVIOR: Select target attack heading

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: FWS texts
Information source for: Target attack tactics

Activity: Determine delivery profile

External environment: N/A

Aids: None

Product of previous task: Collect operations data (target restrictions in frag order); collect weather data (cloud, visibility, sun position, moon illumination, etc); evaluate target characteristics; evaluate threat data in target area

Initiation cues: None
Systems presenting cues: N/A

STANDARD:

Authority: FWS

Performance precision: TBD

Computational accuracy: TBD
TASK NO.: 1.1.2.6.1.1.9

BEHAVIOR: Select dive angle

-----------------------------------
CONDITION:

Agency: None
  Information source for: N/A

Manuals and pubs: FWS text, -34
  Information source for: Suggested dive angles, minimum/maximum dive angles

Activity: Determine delivery profile

External environment: N/A

Aids: None

Product of previous task: Select ordnance; match ordnance characteristics with specific mission requirements; evaluate threat data in target area; collect weather data

Initiation cues: None
  Systems presenting cues: N/A

-----------------------------------
STANDARD:

Authority: FWS text, -34

Performance precision: TBD

Computational accuracy: TBD
TASK NO.: 1.1.2.6.1.1.10

BEHAVIOR: Select release pressure altitude and convert to indicated

CONDITION:

Agency: Wx
Information source for: Correction factor to obtain pressure altitude

Manuals and pubs: -34, 3-1, FWS texts
Information source for: Appropriate chart

Activity: Determine delivery profile

External environment: N/A

Aids: None

Product of previous task: Determine frag pattern; determine fusing times; collect intelligence data (target description - altitude)

Initiation cues: None
Systems presenting cues: N/A

STANDARD:

Authority: -34, 3-1, FWS texts

Performance precision: N/A

Computational accuracy: +/- 100 FT
TASK NO.: 1.1.2.6.1.1.1

BEHAVIOR: Compute altitude loss during recovery

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -34-1-2
Information source for: Dive Recovery chart

Activity: Determine delivery profile

External environment: N/A

Aids: None

Product of previous task: Determine delivery profile (altitude lost during bomb train release)

Initiation cues: None
Systems presenting cues: N/A

STANDARD:

Authority: -34
Performance precision: N/A
Computational accuracy: +/- 50 FT
TASK NO.: 1.1.2.6.1.1.12

BEHAVIOR: Determine release true airspeed and convert to indicated

CONDITION:

Agency: Wx
  Information source for: Target area winds, temperature, pressure altitude

Manuals and pubs: -34
  Information source for: Appropriate chart

Activity: Determine delivery profile

External environment: N/A

Aids: None

Product of previous task: Select release altitude

Initiation cues: None
  Systems presenting cues: N/A

STANDARD:

Authority: -34

Performance precision: None

Computational accuracy: +/- 10 knots
TASK NO.: 1.1.2.6.1.1.13

BEHAVIOR: Select number of passes

CONDITION:

Agency: None
  Information source for: N/A

Manuals and pubs: FWS texts, 3-1
  Information source for: Tactics

Activity: Determine delivery profile

External environment: N/A

Aids: None

Product of previous task: Determine fuel flow and consumption; select ordnance; evaluate threat data in target area; evaluate target characteristics

Initiation cues: None
  Systems presenting cues: N/A

STANDARD:

Authority: FWS text

Performance precision: TBD

Computational accuracy: N/A
TASK NO.: 1.1.2.6.1.1.14

BEHAVIOR: Determine manual delivery data (E)

CONDITION:

Agency:
  Information source for:

Manuals and pubs:
  Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:
  Systems presenting cues:

STANDARD:

Authority:

Performance precision:

Computational accuracy:
TASK NO.: 1.1.2.6.1.1.14.1

BEHAVIOR: Determine MIL setting and wind correction (E)

-------------------------------------------------------------------------------------

CONDITION:

Agency: Wx
  Information source for: Release pressure altitude

Manuals and pubs: -34-1-1, -34-1-2
  Information source for: Mil setting chart

Activity: Determine manual delivery data

External environment: N/A

Aids: None

Product of previous task: Determine fuse function time (for air function munition); select release airspeed (TAS); select release altitude (AGL); select dive angle; calculate angle of attack mils

Initiation cues: None
  Systems presenting cues: N/A

-------------------------------------------------------------------------------------

STANDARD:

Authority: -34-1-1, -34-1-2

Performance precision:

Computational accuracy: +/- 5 mils
TASK NO.: 112611142

BEHAVIOR: Determine release range (E)

-----------------------------------------------

CONDITION:

Agency:
Information source for:

Manuals and pubs: -34
Information source for: Mil setting chart

Activity: Determine manual delivery data

External environment: N/A

Aids: None

Product of previous task: Select dive angle; select delivery altitude profile; select airspeed (release airspeed)

Initiation cues:
Systems presenting cues:

-----------------------------------------------

STANDARD:

Authority: -34

Performance precision: N/A

Computational accuracy: +/-50 FT
TASK NO.: 1.1.2.6.1.1.14.3

BEHAVIOR: Determine aim off distance (E)

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -34-1-2
Information source for: Aim Off Distance chart

Activity: Determine manual delivery data

External environment: N/A

Aids: None

Product of previous task: Calculate MIL setting, wind correction and release range

Initiation cues: None
Systems presenting cues: N/A

STANDARD:

Authority: -34-1-2

Performance precision: N/A

Computational accuracy: +/- 100 FT
TASK NO.: 1.1.2.6.1.1.14.4

BEHAVIOR: Compute impact interval in milliseconds for given stick length (E)

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: -34-1-2
Information source for: Release Pulse Interval chart

Activity: Determine manual delivery data

External environment: N/A

Aids: None

Product of previous task: Select impact interval and stick length in feet; compute groundspeed from true airspeed (for any dive angle)

Initiation cues: None

Systems presenting cues: N/A

STANDARD:

Authority: -34

Performance precision: N/A

Computational accuracy: TBD
TASK NO.: 1.1.2.6.1.1.14.5

BEHAVIOR: Calculate crosswind correction (E)

CONDITION:
Agency: None
Information source for: N/A
Manuals and pubs: -34-1-2
Information source for: Appropriate charts
Activity: Determine manual delivery data
External environment: N/A
Aids: None
Product of previous task: Calculate MIL setting
Initiation cues: None
Systems presenting cues: N/A

STANDARD:
Authority: -34-1-2
Performance precision: N/A
Computational accuracy: +/- 5 FT
**TASK NO.**: 1.1.2.6.1.1.14.6

**BEHAVIOR**: Calculate initial pipper placement (IPP) (E)

**CONDITION**:

- **Agency**: None
  - Information source for: N/A
- **Manuals and pubs**: -34
  - Information source for: Appropriate chart
- **Activity**: Determine manual delivery data
- **External environment**: N/A
- **Aids**: None
- **Product of previous task**: None
- **Initiation cues**: None
  - Systems presenting cues: N/A

**STANDARD**:

- **Authority**: -34
- **Performance precision**:
- **Computational accuracy**: +/- 5 MILS
TASK NO.: 1.1.2.6.1.1.14.7

BEHAVIOR: Calculate RAP (E)

CONDITION:

Agency: None
  Information source for: N/A

Manuals and pubs: None
  Information source for: N/A

Activity: Determine manual delivery data

External environment: N/A

Aids: None

Product of previous task: Calculate crosswind correction (in FT/KT); collect weather data

Initiation cues: None
  Systems presenting cues: N/A

STANDARD:

Authority:

Performance precision: N/A

Computational accuracy: Within 20 FT
TASK NO.: 1.1.2.6.1.2

BEHAVIOR: Plan egress profile (altitude, airspeed, and heading) from the immediate target area

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: FWS text
Information source for: Tactics

Activity: Determine air-to-surface combat data

External environment: N/A

Aids: None

Product of previous task: Calculate altitude loss during dive recovery; calculate release pressure altitude; evaluate threat data in target area; collect intelligence data (enemy threat affecting mission); determine navigation route (total fuel used)

Initiation cues: None
Systems presenting cues: N/A

STANDARD:

Authority: FWS

Performance precision: TBD

Computational accuracy: TBD
TASK NO.: 1.1.2.6.1.3

BEHAVIOR: Accomplish premission planning for specific A-S missions

CONDITION:

Agency:
   Information source for:

Manuals and pubs:
   Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:
   Systems presenting cues:

STANDARD:

Authority:

Performance precision:

Computational accuracy:
TASK NO.: 1.1.2.6.1.3.1

BEHAVIOR: Plan for SCAR missions as strike aircraft

CONDITION:

Agency: SCAR pilot (leader)
Information source for: Mission scenario, command and control procedures

Manuals and pubs: 3-1
Information source for: Tactics

Activity: Accomplish premission planning for specific A-S missions

External environment: N/A

Aids: None

Product of previous task: Collect operations data; collect intelligence data; collect weather data; evaluate threat data in target area; evaluate target characteristics (if target or target type is known)

Initiation cues: None
Systems presenting cues: N/A

STANDARD:

Authority: 3-1

Performance precision: TBD

Computational accuracy: N/A
TASK NO.: 1.1.2.6.1.3.2

BEHAVIOR: Plan for close air support missions

CONDITION:

Agency: Ops
Information source for: FAC info

Manuals and pubs: 3-1
Information source for: Tactics

Activity: Accomplish premission planning for specific A-S missions

External environment: N/A

Aids: None

Product of previous task: Collect intelligence data; collect operations data; collect weather data

Initiation cues: None
Systems presenting cues: N/A

STANDARD:

Authority: 3-1

Performance precision: TBD

Computational accuracy: N/A
TASK NO.: 1.1.2.6.1.3.3

BEHAVIOR: Plan for Hunter-Killer missions

CONDITION:

Agency:
  Information source for:

Manuals and pubs:
  Information source for:

Activity: Accomplish premission planning for specific A-S missions

External environment:

Aids:

Product of previous task:

Initiation cues:
  Systems presenting cues:

STANDARD:

Authority:

Performance precision:

Computational accuracy:
TASK NO.: 1.1.2.6.1.3.4

BEHAVIOR: Plan for air-to-surface escort missions

CONDITION:

Agency:
Information source for:

Manuals and pubs:
Information source for:

Activity: Accomplish premission planning for specific A-S missions

External environment: N/A

Aids:

Product of previous task:

Initiation cues:
Systems presenting cues:

STANDARD:

Authority:

Performance precision:

Computational accuracy:
TASK NO.: 1.1.2.6.1.3.5

BEHAVIOR: Plan for day interdiction missions

CONDITION:

Agency:
  Information source for:

Manuals and pubs:
  Information source for:

Activity: Accomplish premission planning for specific A-S mission

External environment: N/A

Aids:

Product of previous task:

Initiation cues:
  Systems presenting cues:

STANDARD:

Authority:

Performance precision:

Computational accuracy:
TASK NO.: 1.1.2.6.1.3.6

BEHAVIOR: Plan for armed recce missions

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: 3-1
Information source for: Tactics

Activity: Accomplish premission planning for specific A-S missions

External environment: N/A

Aids: None

Product of previous task: Collect operations data; collect intelligence data; collect weather data

Initiation cues: None
Systems presenting cues: N/A

STANDARD:

Authority: 3-1

Performance precision: TBD

Computational accuracy: N/A
TASK NO.: 1.1.2.6.1.3.7

BEHAVIOR: Plan for night air-to-surface missions

CONDITION:

Agency:
  Information source for:

Manuals and pubs:
  Information source for:

Activity: Accomplish premission planning for specific A-S missions

External environment: N/A

Aids:

Product of previous task:

Initiation cues:
  Systems presenting cues:

STANDARD:

Authority:

Performance precision:

Computational accuracy:
TASK NO.: 1.1.2.6.1.3.8

BEHAVIOR: Plan for conventional or tactical range mission (T)

CONDITION:

Agency:
  Information source for:

Manuals and pubs:
  Information source for:

Activity: Accomplish premission planning for specific air-to-surface missions

External environment: N/A

Aids:

Product of previous task:

Initiation cues:
  Systems presenting cues:

STANDARD:

Authority:

Performance precision:

Computational accuracy:
TASK NO.: 1.1.2.6.2

BEHAVIOR: Plan for air-to-air combat missions

CONDITION:
Agency:
   Information source for:
Manuals and pubs:
   Information source for:
Activity:
External environment:
Aids:
Product of previous task:
Initiation cues:
   Systems presenting cues:

STANDARD:
Authority:
Performance precision:
Computational accuracy:
TASK NO.: 1.1.2.6.2.1

BEHAVIOR: Plan for intercept missions

CONDITION:

Agency: GCI
Information source for: Specific mission tactics

Manuals and pubs: FWS texts, 3-1
Information source for: Intercept tactics

Activity: Determine air-to-air tactics

External environment: N/A

Aids: None

Product of previous task: Collect mission data from agencies (Ops restrictions, intercept instructions, friendly support, air refueling, expected threat, GCI agency frequencies, weather)

Initiation cues: None
Systems presenting cues: N/A

STANDARD:

Authority: FWS texts, 3-1

Performance precision: Instructor

Computational accuracy: N/A
TASK NO.: 1.1.2.6.2.2

BEHAVIOR: Plan for air-to-air escort missions

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: FWS texts, 3-1
Information source for: CAP tactics

Activity: Determine air-to-air tactics

External environment: N/A

Aids: None

Product of previous task: Collect mission data from agencies (Ops restrictions, escort instructions, friendly support, air refueling support, expected threat, weather data)

Initiation cues: None
Systems presenting cues: N/A

STANDARD:

Authority: FWS texts, 3-1

Performance precision: Instructor judgment

Computational accuracy: N/A
TASK NO.: 1.1.2.6.2.3

BEHAVIOR: Plan for CAP missions

CONDITION:

Agency: None
  Information source for: N/A

Manuals and pubs: FWS texts, 3-1
  Information source for: CAP tactics

Activity: Determine air-to-air tactics

External environment: N/A

Aids: None

Product of previous task: Collect mission data from agencies (Ops restrictions, CAP instructions, friendly support, air refueling support, expected threat, weather data)

Initiation cues: None
  Systems presenting cues: N/A

STANDARD:

Authority: FWS texts, 3-1

Performance precision: Instructor judgement

Computational accuracy: N/A
TASK NO.: 1.1.2.6.2.4

BEHAVIOR: Plan for DART (T)

CONDITION:

Agency:
   Information source for:

Manuals and pubs:
   Information source for:

Activity: Determine A-A tactics

External environment: N/A

Aids:

Product of previous task:

Initiation cues:
   Systems presenting cues:

STANDARD:

Authority:

Performance precision:

Computational accuracy:
TASK NO.: 1.1.2.6.2.5

BEHAVIOR: Plan for ACST (T)

CONDITION:

Agency:
  Information source for:

Manuals and pubs:
  Information source for:

Activity: Determine A-A tactics

External environment: N/A

Aids:

Product of previous task:

Initiation cues:
  Systems presenting cues:

STANDARD:

Authority:

Performance precision:

Computational accuracy:
TASK NO.: 1.1.2.6.3

BEHAVIOR: Determine nuclear strike data

CONDITION:

Agency:
Information source for:

Manuals and pubs:
Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:
Systems presenting cues:

STANDARD:

Authority:

Performance precision:

Computational accuracy:
TASK NO.: 1.1.2.7.1.1

BEHAVIOR: Determine enroute radar or STAR descent point (E)

CONDITION:

Agency:
  Information source for:

Manuals and pubs:
  Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:
  Systems presenting cues:

STANDARD:

Authority:

Performance precision:

Computational accuracy:
TASK NO.: 1.1.2.7.1.3

BEHAVIOR: Determine penetration descent point (E)

CONDITION:

Agency:
 Information source for:

Manuals and pubs:
 Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:
 Systems presenting cues:

STANDARD:

Authority:

Performance precision:

Computational accuracy:
TASK NO.: 1.1.2.7.1.4

BEHAVIOR: Calculate minimum fuel/maximum range descent point

CONDITION:

Agency:
Information source for:

Manuals and pubs:
Information source for:

Activity: Determine type of descent

External environment: N/A

Aids:

Product of previous task:

Initiation cues:
Systems presenting cues:

STANDARD:

Authority:

Performance precision:

Computational accuracy:
TASK NO.: 1.1.2.7.2

BEHAVIOR: Calculate the descent fuel requirement

CONDITION:

Agency:
 Information source for:

Manuals and pubs:
 Information source for:

Activity: Determine recovery data

External environment: N/A

Aides:

Product of previous task:

Initiation cues:
 Systems presenting cues:

STANDARD:

Authority:

Performance precision:

Computational accuracy:
TASK NO.: 1.1.2.7.3

BEHAVIOR: Plan approach

CONDITION:

Agency:
  Information source for:

Manuals and pubs:
  Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:
  Systems presenting cues:

STANDARD:

Authority:

Performance precision:

Computational accuracy:
TASK NO.: 1.1.2.7.3.1

BEHAVIOR: Compute minimum safe altitude (using FLIP) (E)

CONDITION:

Agency:
  Information source for:

Manuals and pubs:
  Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:
  Systems presenting cues:

STANDARD:

Authority:

Performance precision:

Computational accuracy:
TASK NO.: 1.1.2.7.3.2

BEHAVIOR: Select type of approach

CONDITION:

Agency: Ops
  Information source for: Ops restrictions

Manuals and pubs: 60-16
  Information source for: Weather minimums for selected approach

Activity: Determine recovery data

External environment: N/A

Aids: None

Product of previous task: Collect weather data (terminal forecast)

Initiation cues: None
  Systems presenting cues: N/A

STANDARD:

Authority: TBD

Performance precision: TBD

Computational accuracy: TBD
TASK NO.: 1.1.2.7.3.3

BEHAVIOR: Determine IFR minimums (E)

CONDITION:

Agency:
  Information source for:

Manuals and pubs:
  Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:
  Systems presenting cues:

STANDARD:

Authority:

Performance precision:

Computational accuracy:
TASK NO.: 1.1.2.8

BEHAVIOR: Compute landing data for primary and alternate airfields

----------------------------------------

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -1
Information source for: Landing Speed and Short Field Landing Speed charts

Activity: Determine mission data

External environment: N/A

Aids:

Product of previous task:

Initiation cues:
Systems presenting cues:

----------------------------------------

STANDARD:

Authority:

Performance precision:

Computational accuracy:
TASK NO.: 1.1.3

BEHAVIOR: Record data on mission data card

CONDITION:

Agency:
Information source for:

Manuals and pubs:
Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:
Systems presenting cues:

STANDARD:

Authority:

Performance precision:

Computational accuracy:
TASK NO.: 1.1.5

BEHAVIOR: Perform mission briefing (flight lead)

CONDITION:

Agency:
  Information source for:
  
Manuals and pubs: Briefing guides
  Information source for:

Activity: Perform premission planning

External environment: N/A

Aids:

Product of previous task:

Initiation cues:
  Systems presenting cues:

STANDARD:

Authority:

Performance precision:

Computational accuracy:
Perform all F-16 missions

1.1 Perform mission planning (Page: 3)

1.2 Perform takeoff procedures (Page: 151)

1.3 Perform takeoff—starts with brake release and end when aircraft is gear up at 300-350 kts or established cruise/climb speed. (Page: 296)

1.4 Perform departure—starts at climb/cruise speed and ends at published point/transition fix or when handed off to enroute controller. (Page: 328)

1.5 Perform enroute procedures (Page: 346)

1.6 Perform air refueling (Page: 493)

1.7 Perform combat (c) (Page: 519)

1.8 Perform recovery (Page: 1011)
Continued from page: 1

Perform all F-10 missions

- Perform landing. (Page: 1041)
- Perform post flight procedures (Page: 1077)
- Perform mission debriefing (Page: 1087)
Perform all F-16 missions (Page: 1)

Perform mission planning

Collect mission data from agencies (Page: 4)

Determine the mission data (Page: 8)

Record data on mission data card (Page: 148)

Attend mission briefing

Perform mission briefing (flight lead) (Page: 149)
Perform mission planning (Page:3)

Collect mission data from agencies

Collect intelligence data (Page:5)

Collect weather data (Page:6)

Collect operations data (Page:7)
Given a mission, state the elements of intelligence data which must be collected for mission planning without omission.

State the definitions of standard intelligence terms without error.
Collect mission data from agencies (Page 4)

Collect weather data

1.1.1.2

With no omissions, state the elements of weather data which must be collected for premission planning for non-tactical missions.

1.1.1.2.1

State the uses of weather information in planning tactical missions without omission.

1.1.1.2.2
Collect mission data from agencies (Page:4)

1.1.1

Collect operations data

1.1.1.3

Given a specific mission, state the elements of operations data which must be collected for premission planning without omission.

1.1.1.3.1

State the elements of operations data which must be collected prior to a tactical mission for premission planning, without omission.

1.1.1.3.2
Perform mission planning (Page: 3)

Determine the mission data

1.1.2

Determine retakeoff data (Page: 9)

1.1.2.1

Determine takeoff data (Page: 10)

1.1.2.2

Determine departure data (Page: 21)

1.1.2.3

Determine enroute data (Page: 26)

1.1.2.4

Accomplish air-to-air refueling planning (Page: 62)

1.1.2.5

Prepare combat data (Page: 64)

1.1.2.6

Plan recovery (Page: 135)

1.1.2.7

Compute landing data for primary and alternate airfields (Page: 146)

1.1.2.8
<table>
<thead>
<tr>
<th>Determine the mission data (Page:8)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1.2</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Determine pretokeoff data</td>
</tr>
<tr>
<td>1.1.2.1</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Determine mission-required personal support equipment</td>
</tr>
<tr>
<td>1.1.2.1.1</td>
</tr>
<tr>
<td>Determine station time</td>
</tr>
<tr>
<td>1.1.2.1.2</td>
</tr>
<tr>
<td>Determine start engine time</td>
</tr>
<tr>
<td>1.1.2.1.3</td>
</tr>
<tr>
<td>List the pretokeoff data which must be determined during premission planning.</td>
</tr>
<tr>
<td>1.1.2.1.4</td>
</tr>
</tbody>
</table>
1.1.2 Determine the mission data (Page:8)

1.1.2.2 Determine takeoff data

- Compute gross weight (Page:12)
- Compute drag index (Page:13)
- Compute takeoff factor (Page:14)
- Compute rotation speed and takeoff speed (Page:15)

1.1.2.2.1 Compute takeoff and landing components (Page:16)
1.1.2.2.2 Compute takeoff roll (ground run distance) (Page:17)
1.1.2.2.3 Compute acceleration check speed (Page:18)
1.1.2.2.4 Compute maximum abort speed and maximum brake speed for MIL or MAX power takeoffs (Page:19)
Continued from page 16

1.1.2.2

Determine the mission data (Page 16)

1.1.2

Determine takeoff data

1.1.2.2

Compute effect of runway condition on maximum abort speed (Page 20)

1.1.2.2.9
Determine takeoff data
(Paper:10)

1.1.2.2

Compute gross weight

1.1.2.2.1

Given aircraft configuration information and the classified supplement to the -1, compute gross weight within +/- 500 pounds.

1.1.2.2.1.1
Determine takeoff data (Page:10)

1.1.2.2

Compute drag index

1.1.2.2.2

Given aircraft configuration information and the classified supplement to the L. determine drag index without error.

1.1.2.2.2.1
Given environmental data and aircraft configuration, compute takeoff factor within 1±.2 units.
Determine takeoff data
(Pag:10)

1.1.2.2

Compute rotation speed
and takeoff speed

1.1.2.2.4

Given aircraft
configuration
information, center of
gravity and gross
weight, compute
rotation speed and
takeoff speed within
$\pm 5$ KIAS

1.1.2.2.4.1
Given runway heading, wind speed and direction, compute takeoff and landing crosswind components within ±2 knots.

1.1.2.2.3.1

Given runway heading, wind speed and direction, compute takeoff and landing crosswind components within ±2 knots.

1.1.2.2.3

Compute takeoff and landing crosswind components

1.1.2.2

Determine takeoff data (Page 10)

1.1.2
Determine takeoff data
(Page: 10)

1.1.2.2

Compute takeoff roll
(ground run distance)

1.1.2.2.6

Given drag index,
takeoff gross weight,
corrected and
uncorrected takeoff
speed, runway slope,
wind speed and
direction, and takeoff
factor, compute takeoff
roll (ground run
distance) within ±
Determine takeoff data
(Page: 10)

1.1.2.2

Compute acceleration
check speed
1.1.2.2.7

Given drag index,
takeoff gross weight,
corrected and
uncorrected and takeoff
speed, runway slope,
wind speed and
direction, and takeoff
factor, compute
acceleration, check
speed within 5 KIAS.
1.1.2.2.7.1
Determine takeoff data (Page 10)

1.1.2.2

Compute maximum abort speed and maximum brake speed for MIL or MAX power takeoffs

1.1.2.2.6

Given takeoff gross weight, runway slope, wind speed and direction, and takeoff factor, compute maximum abort speed and maximum brake speed for MIL or MAX power takeoffs within ±5 KIAS.

1.1.2.2.8.1
Determine takeoff data

Compute effect of runway condition on maximum abort speed

Given takeoff gross weight, runway slope, wind speed and direction, and takeoff factor, compute effect of runway condition on maximum abort speed within +/- 10 percent.
Determine the mission data (Page: 8)

1.1.2

Determine departure data

1.1.2.3

- Calculate taxi, takeoff, and climbout fuel, time, and distance for MIL/MAX power thrust (Page: 22)
  1.1.2.3.1

- Calculate best cruise altitude and combat, cruise, and service ceiling altitudes (Page: 23)
  1.1.2.3.2

- Compute military thrust climb performance data (Page: 24)
  1.1.2.3.3

- Compute maximum A/B climb performance data (Page: 25)
  1.1.2.3.4
Determine departure data (Page: 21)

1.1.2.3.1

Calculate taxi, takeoff, and climbout fuel, time, and distance for MIL/MAX power thrust

1.1.2.3.1

Given a mission assignment and relevant mission information, calculate taxi, takeoff, and climbout fuel (time and distance) for MIL/MAX power thrust. Time correct within +/- .5 minute, fuel within +/- 1.1.2.3.1.1
Determine departure data (Page: 21)

Calculate best cruise altitude and combat, cruise, and service ceiling altitudes

Given a mission assignment and relevant mission information, compute best cruise altitude and combat, cruise, and service ceiling altitudes. Altitude values must be correct within +/- 1,000 feet.

1.1.2.3.2
Determine departure data (Page 21)

Given a mission assignment and relevant mission information, compute military thrust climb performance data.

Time values must be correct within +/- 0.5 minute, fuel values within +/- 50 pounds, and distance values...
Determine departure data (Page 21)

1.1.2.3

Compute maximum A/B climb performance data

1.1.2.3.4

Given a mission assignment and relevant mission information, compute maximum A/B climb performance data. Time must be correct within +/- 0.2 minutes, fuel within +/- 100 pounds, and distance within +/- 2 miles.

1.1.2.3.4.1
1.1.2.4.1 Compute optimum Mach/constant altitude cruise: Mach number, true airspeed, groundspeed, and time required to cruise a given distance (Pages 29)

1.1.2.4.2 Compute optimum Mach/constant altitude cruise: specific range, fuel flow, and fuel required to cruise a specified time (Pages 30)

1.1.2.4.3 Compute altitude factor (Page 31)

1.1.2.4.4 Convert altitude factor into altitude (Page 32)

1.1.2.4.5 Compute optimum Mach/optimum altitude cruise data from Subsonic Cruise charts (Page 33)

1.1.2.4.6 Compute optimum Mach/constant altitude cruise data from Subsonic Cruise charts (Page 34)

1.1.2.4.7 Compute constant Mach/constant altitude cruise data from Subsonic Cruise charts (Page 35)

1.1.2.4.8 Compute constant Mach/optimum altitude cruise data from Subsonic Cruise charts (Page 36)
Determine the mission data (Page: 8)
Continued from page: 26

Determine enroute data

Compute aircraft specific range (Page: 37)

Compute aircraft fuel flow (Page: 38)

Plan an ingress profile for the mission (Page: 40)

Compute aircraft optimum cruise climb performance data from Optimum Cruise Summary chart (Page: 39)

Select initial point (Page: 49)

Select offset aim points (Page: 51)

Calculate offset data for offset aim point (Page: 53)

Plan altitude and airspeed profiles as well as navigation route (Page: 47)
Continued from page: 27

Determine the mission data (Page:5)

1.1.2

Determine enroute data

1.1.2.4

Select enroute navigation modes (Page:55)

1.1.2.4.17

Prepare radar predictions (Page:56)

1.1.2.4.18

Prepare enroute map (Page:58)

1.1.2.4.19

Determine divert route, fuel, time, and distance (E) (Page:66)

1.1.2.4.20

Given a mission assignment and relevant mission information, plan the enroute phase of the mission consistent with the overall mission plan in accordance with IP judgement.

1.1.2.4.21

Describe the procedure for enroute planning and name the considerations of most importance with no omissions.

1.1.2.4.22

Name the aids to navigation and identify the situations where each may or should be employed with no omissions.

1.1.2.4.23
Determine enroute data (Page 26)

1.1.2.4

Compute optimum Mach/constant altitude cruise: Mach number, true airspeed, groundspeed, and time required to cruise a given distance

1.1.2.4.1

Given a mission assignment and relevant mission info, compute optimum Mach/constant alt. cruise: Mach number +/- .01, true airspeed +/- 10 knots, groundspeed +/- 10 knots, and time required to cruise a

1.1.2.4.1.1
Determine enroute data
(Pages: 26)

1.1.2.4.2

Compute optimum
Mach/constant altitude cruise: specific range, fuel flow, and fuel required to cruise a specified time

1.1.2.4.2.1

Given a mission assignment and relevant mission info, compute optimum Mach/constant alt. cruise: specific range within +/- .005 nautical miles/lb, fuel flow within +/- 100 lbs/hr, and fuel required to cruise a
Determine enroute data (Page 26)

1.1.2.4

Compute altitude factor

1.1.2.4.3

Given a mission assignment and relevant mission information, compute altitude factor within +/- 0.2

1.1.2.4.3.1
1.1.2.4

Convert altitude factor into altitude.

1.1.2.4.4

Given a mission assignment and relevant mission information, convert altitude factor into altitude within +/- 500 ft.

1.1.2.4.4.1
Determine enroute data
(Page: 26)

1.1.2.14

Compute optimum
Mach/optimum altitude
cruise data from
Subsonic Cruise charts

1.1.2.4.5

Given a mission
assignment and relevant
mission information,
compute optimum
Mach/optimum altitude
cruise data from
subsonic cruise charts.

1.1.2.4.5.1
Determine enroute data (Page: 26)
1.1.2.4

**Compute optimum Mach/constant altitude cruise data from Subsonic Cruise charts**
1.1.2.4.6

**Given a mission assignment and relevant mission information, compute optimum Mach/constant altitude cruise data from Subsonic Cruise charts.**
1.1.2.4.6.1
Determine enroute data

1.1.2.4

Compute constant Mach/constant altitude cruise data from Subsonic Cruise charts

1.1.2.4.7

Given a mission assignment and relevant mission information, compute constant Mach constant altitude cruise data from Subsonic Cruise charts

1.1.2.4.7.1
Determine enroute data

1.1.2.4

Compute constant Mach/optimum altitude cruise data from Subsonic Cruise charts

1.1.2.4.8

Given a mission assignment and relevant mission information, compute constant Mach/optimum altitude cruise data from Subsonic Cruise charts

1.1.2.4.8.1
Determine enroute data

Compute aircraft specific range

Given a mission assignment and relevant mission information, compute aircraft specific range within +/- .0025 nautical miles/pound.

1.1.2.4.9.1
Determine enroute data (Page: 26)

1.1.2.4

Compute aircraft fuel flow

1.1.2.4.10

Given a mission assignment and relevant mission information, compute aircraft fuel flow.

1.1.2.4.10.1
Given a mission assignment and relevant mission information, compute aircraft optimum cruise-climb performance data from Optimum Cruise Summary chart:

1.1.2.4.11.1
Determine enroute data
(Page:26)
1.1.2.4

Plan an ingress profile for the mission
1.1.2.4.12

Identify potential enemy threats enroute
(Page:41)
1.1.2.4.12.1

Determine best aircraft defense against each potential enemy threat
(Page:43)
1.1.2.4.12.2

Plan passive and active defensive profiles
(Page:44)
1.1.2.4.12.3

Given a mission assignment and relevant mission data, plan an ingress profile.
(Page:46)
1.1.2.4.12.4
Given a mission assignment and intel data, identify potential enemy threats which may be encountered with no omissions.

Name the considerations of most importance for identifying potential enemy threats enroute without omissions.
Plan an ingress profile for the mission (Page:40)

1.1.2.4.12

Identify potential enemy threats enroute

1.1.2.4.12

Given a mission assignment and intel data, identify potential enemy threats which may be encountered with no omissions (Page:42)

1.1.2.4.12.1.1
Plan an ingress profile for the mission (Page: 40)

1.1.2.4.10

Determine best aircraft defense against each potential enemy threat

1.1.2.4.12.2

Given potential enemy threats, state the best aircraft defense against each in accordance with tactical doctrine

1.1.2.4.12.2.1
Given a mission assignment and relevant mission information, plan passive and active defensive profiles in accordance with tactical doctrine.

(Page 45)
Plan passive and active defensive profiles
(Page: 44)

Given a mission assignment and relevant mission information, plan passive and active defensive profiles in accordance with tactical doctrine.

1.1.2.4.12.3.1

State the steps and principles in planning active and passive defensive profiles in accordance with current tactical doctrine.

1.1.2.4.12.3.1.3
Plan an ingress profile for the mission (Page: 40)

Given a mission assignment and relevant mission data, plan an ingress profile.

Name the considerations of most importance for planning an ingress profile without omission.
Given a mission assignment and relevant mission information, plan altitude and airspeed profiles as well as navigational route.

(Page 46)

(Determine enroute data
(Pages 26)

1.1.2.4)

Plan altitude and airspeed profiles as well as navigation route

1.1.2.4.13)
Plan altitude and airspeed profiles as well as navigation route (Page 47)

1.1.2.4.13

Given a mission assignment and relevant mission information, plan altitude and airspeed profiles as well as navigational route.

1.1.2.4.13.1

State the steps and principles in planning altitude and airspeed profiles as well as navigation route in accordance with current doctrine and regulations.

1.1.2.4.13.1.1
Determine enroute data (Page: 26)

Select initial point

Given a mission assignment and relevant mission information, select an initial point (Page: 50)
Select initial point
(Page:49)
1.1.2.4.14

Given a mission assignment and relevant mission information, select an initial point
1.1.2.4.14.1

Name the considerations of most importance for selecting an initial point in accordance with current doctrine and regulations.
1.1.2.4.14.1.1
Given a mission assignment and relevant mission information, select offset aim points.

Select offset aim points.
Select offset aim points (Page 51)

1.1.2.4.15

Given a mission assignment and relevant mission information, select offset aim points

1.1.2.4.15.1

State conditions under which an offset aim point is required in accordance with doctrine and regulations

1.1.2.4.15.1.1

Name the considerations of most importance for selecting an offset aim point in accordance with current doctrine and regulations

1.1.2.4.15.1.2
Given target area charts, a divider, and a plotter, calculate the offset data for an offset aim point within +/- the smallest unit on the target area chart (Page: 54)
Given target area charts, a divider, and a plotter, calculate the offset data for an offset aim point within \( \pm \) the smallest unit on the target area chart.

Describe the procedure for calculating offset data aim point without omission.
Determine enroute data
(Page: 26)

1.1.2.4.

Select enroute navigation modes

1.1.2.4.17.

Given a mission assignment and relevant mission information, select enroute navigation modes

1.1.2.4.17.1
Prepare enroute data
(Page: 26)

1.1.2.4.

Prepare radar predictions
1.1.2.4.18

Given a route map prepare radar predictions, in accordance with IP
judgement (Page: 57)
1.1.2.4.18.1

Describe the effect of errors present in radar ground mapping
operations and state considerations in overcoming those effects
1.1.2.4.18.2
Given a route map prepare radar predictions, in accordance with IP judgement.

Given a photograph of an object or terrain feature, describe the radar display accurately.
Given a mission assignment and relevant mission information, prepare enroute map in accordance with IP judgement. (Page: 59)
Prepare enroute map
(Page:58)

1.1.2.4.19

Given a mission assignment and relevant mission information, prepare enroute map in accordance with IP judgement.

1.1.2.4.19.1

Describe the procedure for preparing enroute map and name the considerations of most importance with no omissions.

1.1.2.4.19.1.1
Given a mission assignment and relevant mission information, determine divert route, fuel, time, and distance.
Determine divert route, fuel, time, and distance (E) (Page:60)

Given a mission assignment and relevant mission information, determine divert route, fuel, time, and distance.

Name the considerations of most importance for determining divert route, fuel, time, and distance with no omissions.
Determine the mission data (Page:8)

Accomplish air-to-air refueling planning

Given a mission assignment and relevant mission information, accomplish air-to-air refueling planning (Page:63)
Given a mission assignment and relevant mission information, accomplish air-to-air refueling planning without omission

1.1.2.5.1.1

Describe the procedure for accomplishing air-to-air refueling planning without omission

1.1.2.5.1

Accomplish air-to-air refueling planning

1.1.2.5

Given a mission assignment and relevant mission information, accomplish air-to-air refueling planning

1.1.2.5.1
Determine the mission data (Page 8)

Prepare combat data

Prepare air-to-surface combat data (Page 65)

Plan for air-to-air combat missions. (Page 123)

Determine nuclear strike data (Page 134)
Prepare combat data
(Page:64)

1.1.2.6

Prepare air-to-surface combat data

1.1.2.6.1

Plan the delivery profile
(Page:66)

1.1.2.6.1.1

Plan egress profile
(altitude,airspeed, and heading) from the immediate target area (Page:104)

1.1.2.6.1.2

Accomplish premission planning for specific A-S missions (Page:105)

1.1.2.6.1.3
Prepare air-to-surface combat data (Page:65)

- 1.1.2.6.1

Plan the delivery profile
- 1.1.2.6.1.1

- Determine primary and alternate delivery modes (Page:68)
- 1.1.2.6.1.1.1

- Evaluate target characteristics (Page:70)
- 1.1.2.6.1.1.2

- Evaluate threat data in target area (Page:72)
- 1.1.2.6.1.1.3

- Match ordnance characteristics with specific mission requirements (Page:74)
- 1.1.2.6.1.1.4

- Select ordnance (Page:76)
- 1.1.2.6.1.1.5

- Determine ordnance data (Page:78)
- 1.1.2.6.1.1.6

- Select rail-in altitude profile (Page:83)
- 1.1.2.6.1.1.7

- Select target attack heading (Page:85)
- 1.1.2.6.1.1.8
Continued from page 66:

- Prepare air-to-surface combat data (Page 65)

- Plan the delivery profile

Select dive angle (Page 87)

Select release pressure altitude and convert to indicated altitude. (Page 89)

Compute altitude loss during recovery (Page 91)

Determine release true airspeed and convert to indicated airspeed (Page 92)

Select number of passes (Page 93)

Determine manual delivery data (Page 95)

Given a mission assignment and relevant mission data, plan the delivery profile in accordance with current doctrine and regulations.
Plan the delivery profile (Page:66)

Determine primary and alternate delivery modes

Given a mission assignment and relevant mission data determine primary and alternate delivery modes in accordance with IP judgement. (Page:69)
Given a mission assignment and relevant mission data determine primary and alternate delivery modes in accordance with IP judgement.

Given the varieties of delivery modes, describe the situations where each may or should be employed in accordance with IP judgement. (Weapons Systems)
Plan the delivery profile (Page: 66)

- Evaluate target characteristics

Given a mission assignment and relevant mission data, evaluate target characteristics in accordance with current doctrine and regulations. (Page: 71)
Given a mission assignment and relevant mission data, evaluate target characteristics in accordance with current doctrine and regulations.

1.1.2.6.1.1.2.1

- Name the considerations of most importance for evaluating target characteristics with no omissions
- State the major sources of target information (JNEMS, etc.) with no omissions, and briefly describe the nature of the information without error

1.1.2.6.1.1.2.1.1
1.1.2.6.1.1.2.1.2
Plan the delivery profile (Page:66)

Evaluate threat data in target area

Given a mission assignment and relevant mission data, evaluate threat data in target area in accordance with current doctrine and regulations. (Page:73)
Evaluate threat data in target area (Page: 72)

Given a mission assignment and relevant mission data, evaluate threat data in target area in accordance with current doctrine and regulations.

Name the considerations most important for target area threat evaluations with no omissions.
Given a mission assignment and relevant mission data, match ordnance characteristics with specific mission requirements in accordance with current doctrine and regulations.

1.1.2.6.1.1.4.1

Match ordnance characteristics with specific mission requirements

1.1.2.6.1.1.4

Plan the delivery profile (Page: 166)
match ordnance characteristics with specific mission requirements (Page: 74)

Given a mission assignment and relevant mission data, match ordnance characteristics with specific mission requirements in accordance with current doctrine and regulations.

1.1.2.6.1.1.4.1

Given ordnance types, describe the situations where each may or should be employed.

1.1.2.6.1.1.4.1.1

State the major sources of ordnance effects data given targets (JHMS, etc.) with no omissions and briefly describe the nature of the information without error.

1.1.2.6.1.1.4.1.2
Plan the delivery profile (Page:66)

Select ordnance

Given a mission assignment and relevant mission data, select ordnance in accordance with current doctrine and regulations. (Page:77)
Select ordnance
(Page 76)

1.1.2.6.1.1.3

Given a mission assignment and relevant mission data, select ordnance in accordance with current doctrine and regulations.

1.1.2.6.1.1.5.1

Name the considerations of most importance for selecting ordnance without omission.

1.1.2.6.1.1.5.1.1
Plan the delivery profile (Page: 66)

1.1.2.6.1.1

Determine ordnance data

1.1.2.6.1.1.0

Compute minimum safe separation parameters (Page: 79)

1.1.2.6.1.1.6.1

Compute frag patterns (Page: 80)

1.1.2.6.1.1.6.2

Determine fuse function times required (Page: 81)

1.1.2.6.1.1.6.3

Determine fuse arming times required (Page: 82)

1.1.2.6.1.1.6.4
Determine ordnance data (Page 78)

1.1.2.6.1.1.6

Compute minimum safe separation parameters

1.1.2.6.1.1.6.1

Given a mission assignment and relevant mission data, compute minimum safe separation parameters without error.

1.1.2.6.1.1.6.1.5
Given a mission assignment and relevant mission data, compute frog patterns within +/- 250 feet.

1.1.2.6.1.1.6.2.1
Determine ordnance data
(Page: 78)

1.1.2.6.1.6

Determine fuse function times required

1.1.2.6.1.1.6.3

Given weapon, release altitude, dive angle and true air speed, determine fuse function times required without error.

1.1.2.6.1.1.6.3.1
Determine ordnance data
(Page 78)

Determine fuse arming
times required

1.1.2.6.1.1.6.4

Given a mission
assignment and relevant
mission data, determine
fuse arming times
required without error.

1.1.2.6.1.1.6.4.1
Plan the delivery profile (Page:66)

Select roll-in altitude profile

Given a mission assignment and relevant mission data, select roll-in altitude profile in accordance with current tactical doctrine.

(Page:84)
Select roll-in altitude profile (Page:83)

1.1.2.6.1.1.7

Given a mission assignment and relevant mission data, select roll-in altitude profile in accordance with current tactical doctrine.

1.1.2.6.1.1.7.1

Name the considerations of most importance for selecting roll-in profile with no omissions.

1.1.2.6.1.1.7.1.1
Plan the delivery profile (Page: 66)

1.1.2.6.1.1

Select target attack heading

1.1.2.6.1.1.8

Given a mission assignment and relevant mission data, select target attack heading in accordance with current tactical doctrine (Page: 86)

1.1.2.6.1.1.8.1
<table>
<thead>
<tr>
<th>Select target attack heading (Page 85)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1.2.6.1.1.8</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Given a mission assignment and relevant mission data, select target attack heading in accordance with current tactical doctrine</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1.2.6.1.1.8.1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name the considerations of most importance for selecting target attack heading with no omissions.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1.2.6.1.1.8.1.1</td>
</tr>
</tbody>
</table>

Plan the delivery profile (Page:86)

Select dive angle

Given a mission assignment and relevant mission data, select dive angle in accordance with current tactical doctrine and regulations. (Page:88)
Given a mission assignment and relevant mission data, select dive angle in accordance with current tactical doctrine and regulations.

Make the considerations most important for selecting dive angle with no omissions.
Plan the delivery profile (Pages 66)

Select release pressure altitude and convert to indicated altitude.

Given a mission assignment and relevant mission data, select release pressure altitude IAW current tactical doctrine and regulations. (Page 90)

Given a pressure altitude, convert it to indicated altitude without error (E)
Select release pressure altitude and convert to indicated altitude.

Given a mission assignment and relevant mission data, select release pressure altitude IAW current tactical doctrine and regulations.

Name the considerations of most importance for selecting release pressure altitude with no omissions.
Plan the delivery profile (Page 101)

Compute altitude loss during recovery

Given a planned delivery profile, compute altitude loss during recovery within +/- 50 feet.
Plan delivery profile (Page:66)

Determine release true airspeed and convert to indicated airspeed

Given a planned delivery profile, determine release true airspeed within +/- 10 knots.

Given appropriate Dass 34 charts and requisite data, convert the release true airspeed to indicated airspeed within +/- KIAS (E).
Plan the delivery profile (Page:182)

Select number of passes

Given a mission assignment and relevant mission data, select the number of passes in current tactical doctrine (Page:94)
Select number of passes
(Pages 93)
1.1.2.6.1.1.13

Given a mission assignment and relevant mission data, select the number of passes IAW current tactical doctrine
1.1.2.6.1.1.13.1

Name the considerations of most importance for selecting the number of passes with no omissions
1.1.2.6.1.1.13.1.1
Plan the delivery profile (Page:166)

1.1.2.6.1.1

Determine manual delivery data

1.1.2.6.1.1.14

- Determine MIL setting and wind correction (Page:96)
  1.1.2.6.1.1.14.1

- Determine release range (Page:97)
  1.1.2.6.1.1.14.2

- Determine aim of distance (Page:98)
  1.1.2.6.1.1.14.3

- Compute impact interval in milliseconds for given stick length (Page:99)
  1.1.2.6.1.1.14.4

- Calculate crosswind correction (Page:100)
  1.1.2.6.1.1.14.5

- Calculate initial propeller placement (IPP) (Page:101)
  1.1.2.6.1.1.14.6

- Calculate RAP (Page:102)
  1.1.2.6.1.1.14.7

- Describe the function of each type of data to be derived during manual delivery planning without error
  1.1.2.6.1.1.14.8
Given a planned delivery profile, determine M6L setting and wind correction within +/- 5 MILs.

1.1.2.6.1.14.11

Determine M6L setting and wind correction
1.1.2.6.1.14.1

Determine manual delivery data (Page: 95)
1.1.2.6.1.14
Determine manual delivery data (Page:95)

1.1.2.6.1.1.14

Determine release range

1.1.2.6.1.1.14.2

Given a planned delivery profile, determine release range within +/- 50 feet

1.1.2.6.1.1.14.2.1
Given a planned delivery profile, determine aim off distance within +/- 100 feet.

Determine manual delivery data (Page 95).
Given a planned delivery profile, compute impact interval in milliseconds for given stick length within +/- 10 milliseconds.

1.1.2.6.1.1.14.4.
Determine manual delivery data (Page:95)

1.1.2.6.1.1.14

Calculate crosswind correction

1.1.2.6.1.1.14.5

Given a planned delivery profile, windspeed, and wind direction, calculate crosswind correction within +/- 1 foot/knot.

1.1.2.6.1.1.14.5.1
Determine initial delivery data (Page 13).

Calculate initial pepper placement (IIP).

Given a planned delivery profile, calculate initial pepper placement (IIP) within +/- 0.5 mils.
Determine manual delivery data (Page 5)

Calculate RAP

Given a planned delivery profile, calculate RAP within +/− 10 feet.
Plan the delivery profile (Page: 06).

Given a mission assignment and relevant mission data, plan the delivery profile in accordance with current doctrine and regulations.

Given a mission assignment and relevant mission data, plan the delivery profile in accordance with current doctrine and regulations. (Page: 06)
Prepore air-to-surface combat data (Page 105)

Plan egress profile (altitude, airspeed, and heading) from the immediate target area

Given a mission assignment and relevant mission data, plan an appropriate egress profile (altitude, airspeed, and heading) from the immediate target area in accordance with IF judgment

Name the considerations most important for planning an egress profile from the immediate target area with no omissions.
Plan for close air support missions (Page:117)

Plan for reconnaissance missions (Page:116)

Plan for fighter-air superiority missions (Page:116)

Plan for strike missions (Page:115)

Plan for strategic missions (Page:114)

Plan for target acquisition missions (Page:113)

Plan for close air support missions (Page:117)

Plan for reconnaissance missions (Page:116)

Plan for fighter-air superiority missions (Page:116)

Plan for strike missions (Page:115)

Plan for target acquisition missions (Page:113)

Plan for close air support missions (Page:117)

Plan for reconnaissance missions (Page:116)

Plan for fighter-air superiority missions (Page:116)

Plan for strike missions (Page:115)

Plan for target acquisition missions (Page:113)
Continued from page: 105

Prepare air-to-surface combat data (Pages 105:

1.1.2.0.1

Accomplish premission
planning for specific
A-5 missions

1.1.2.0.1.3

Plan for nuclear strike
mission.

1.1.2.0.1.3.7

Given the varieties of
A-5 missions, describe
the situations where
each may be or should
be employed in
accordance with current
tactical doctrine with
no omissions.

1.1.2.0.1.3.10
Accomplish premission planning for specific A-S missions (Page: 105)

Plan for SCAR missions as strike aircraft (C)

Given a mission assignment and relevant mission data, plan for a SCAR mission as strike aircraft in accordance with current tactical doctrine (Page: 106)
Plan for SCAR missions as strike aircraft (C).

Given a mission assignment and relevant mission data, plan for a SCAR mission as strike aircraft in accordance with current tactical doctrine.

State the tactical considerations for planning a SCAR mission with no omissions.
Accomplish mission planning for specific A-S missions (Page 110)

Plan for close air support missions (C)

Given a mission assignment and relevant mission data, plan for a close air support mission in accordance with current tactical doctrine (Page 110)
Plan for close air support missions (C)
(Page:109)

Given a mission assignment and relevant mission data, plan for a close air support mission in accordance with current tactical doctrine

State the tactical considerations for planning a close air support mission with no omissions
Accomplish premission planning for specific A-S missions (Page:105)

Plan for Hunter-killer missions (C)

Given a mission assignment and relevant mission data, plan for a hunter-killer mission IAW current tactical doctrine (Page:112)
Plan for hunter-killer missions (C) (Page:111)

1.1.2.6.1.3.3.1

Given a mission assignment and relevant mission data, plan for a hunter-killer mission IAW current tactical doctrine

1.1.2.6.1.3.3.1

State the tactical considerations for planning a hunter-killer mission with no omissions.

1.1.2.6.1.3.3.1
Accomplish premission planning for specific A-to-S missions (Page:105)

Plan for air-to-surface escort missions (C)

Given a mission assignment and relevant mission data, plan for an air-to-surface escort mission in current tactical doctrine. (Page:114)
Plan for air-to-surface escort missions (C) (Page:112)

Given a mission assignment and relevant mission data, plan for an air-to-surface escort mission in accordance with current tactical doctrine.

State the tactical considerations for planning air-to-surface escort mission with no omissions.
Accomplish premission planning for specific A-S missions (Page:105)

Plan for day interdiction missions

Given a mission assignment and relevant mission data, plan for a day interdiction mission IAW current tactical doctrine. (Page:116)
Plan for day interdiction missions (Page:115)

1.1.2.6.1.3.5.3

Given a mission assignment and relevant mission data, plan for a day interdiction mission IAW current tactical doctrine.

1.1.2.6.1.3.5.1

State the tactical considerations for planning a day interdiction mission with no omissions.

1.1.2.6.1.3.5.1.1
Accomplish premission planning for specific A-S missions (Page: 105)

Plan for armed recce missions

Given a mission assignment and relevant mission data, plan for an armed recce mission in current tactical doctrine (Page: 118)
Plan for armed recce missions (Page: 117)

1.1.3.6.1.3.6.1

Given a mission assignment and relevant mission data, plan for an armed recce mission IAW current tactical doctrine

1.1.3.6.1.3.6.1

State the tactical considerations for planning armed recce mission with no omissions.

1.1.3.6.1.3.6.1
Accomplish premission planning for specific A/S missions (Page:105)

Plan for night air-to-surface missions

Given a mission assignment and relevant mission data, plan for a night air-to-surface mission IAW current tactical doctrine. (Page:120)
Plan for night air-to-surface missions

Given a mission assignment and relevant mission data, plan for a night air-to-surface mission IAW current tactical doctrine.

State the tactical considerations for planning a night air-to-surface mission with no omissions.
Accomplish premission planning for specific A-S missions (Page: 122)

Plan for conventional or tactical range mission (T)

Given a mission assignment and relevant mission data, plan for a conventional or tactical range mission IAW current tactical doctrine and training restrictions (Page: 122)

Given a mission assignment and relevant mission data, plan for a conventional range mission IAW current training restrictions.

1.1.2.6.1.3.8
Plan for conventional or tactical range mission (T) (Page:121)

Given a mission assignment and relevant mission data, plan for a conventional or tactical range mission IAW current tactical doctrine and training restrictions

State the tactical considerations for planning a conventional or tactical range mission with no omissions.
Plan for air-to-air combat missions.
(Page: 123)

Plan for intercept missions

Given a mission assignment and relevant mission data, plan for an intercept mission IAW current doctrine and regulations. (Page: 125)
Plan for intercept missions (Page: 124)

<table>
<thead>
<tr>
<th>Level</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1.2.6.2.1.1</td>
<td>Given a mission assignment and relevant mission data, plan for an intercept mission IAW current doctrine and regulations.</td>
</tr>
<tr>
<td>1.1.2.6.2.1.1.1</td>
<td>State the primary principles in planning an intercept mission IAW the Phase manual with no omissions</td>
</tr>
</tbody>
</table>
Given a mission assignment and relevant mission data plan for an air-to-air escort mission. (Page: 127)

Plan for air-to-air combat missions.
(Pager: 123)

Plan for air-to-air escort missions (C).
Plan for air-to-air escort missions (C) (Page: 126)

1.1.2.6.2.2

Given a mission assignment and relevant mission data plan for an air-to-air escort mission.

1.1.2.6.2.2.1

State the primary principles in planning an air-to-air escort mission with no omissions.

1.1.2.6.2.2.1.1
Plan for air-to-air combat missions.
(Page:123)

Plan for CAP missions
(E)

Given a mission assignment and relevant mission data, plan for a CAP mission. (Page:129)
Plan for CAP missions (C) (Page:128)

1.1.2.6.2.3

Given a mission assignment and relevant mission data, plan for a CAP mission.

1.1.2.6.2.5.1

State the primary principles in planning a CAP mission with no omissions.

1.1.2.6.2.5.1.1
Plan for air-to-air combat missions. (Page 123)

Plan for DART (T)

Given a mission assignment and relevant mission data plan for a DART mission IAW current doctrine and regulations. (Page 131)

1.1.2.6.2.4.1
Plan for DART (T)
(Page:130)

1.1.2.8.2.4

Given a mission assignment and relevant mission data plan for a DART mission IAW current doctrine and regulations.
1.1.2.8.2.4.1

- State the primary principles in planning a DART (T) mission with no omissions.
  1.1.2.8.2.4.1.1

- Correctly state the rules-of-engagement for the DART mission IAW current regulations and directives without error or omission.
  1.1.2.8.2.4.1.2
Plan for air-to-air combat missions. (Page: 123)

Plan for AGBI (T)

Given a mission assignment and relevant mission data, plan for an AGBI mission IAW current doctrine and regulations. (Page: 133)
Plan for ACBT (T)
(Page: 132)

Given a mission assignment and relevant mission data, plan for an ACBT mission in current doctrine and regulations.

1.1.3.2.5.1

State the primary principles in planning an ACBT (T) mission with no omissions.

Correctly state the rules-of-engagement for ACBT missions in current regulations and directives without errors or omissions.

1.1.3.2.5.1.1
1.1.3.2.5.1.2
Prepare combat data

Determine nuclear strike data

State the unique considerations in planning a nuclear mission to include reattack and alternate targets.

Calculate all required parameters and settings for nuclear deliveries.
Determine the mission data (Page:5)

Plan recovery

Plan descent (Page:136)

Calculate the descent fuel requirement (Page:141)

Plan approach (Page:143)
Plan descent (Page:136)

Determine enroute radar or STAR descent point (E)

1.1.2.7.1.1

Given a mission assignment and relevant mission information, determine enroute radar or STAR descent point (E)

1.1.2.7.1.1.1
Plan descent (Page: 136)

1.1.2.7.1

Determine penetration descent point (E)

1.1.2.7.1.3

Given a mission assignment and relevant mission information, determine penetration point (E) without error

1.1.2.7.1.3.1
Given a mission assignment and relevant mission information, calculate the minimum fuel/maximum range descent point within +/- 10 percent.

Pages 136-140.
Calculate minimum fuel/maximum range descent point (Page: 139)

Given a mission assignment and relevant mission information, calculate the minimum fuel/maximum range descent point within +/- 10 percent.

Describe the procedure for calculating the minimum fuel/maximum range descent point with no omissions.
Pilon recovery (Page 115)

Colcuiote the descent requirement, calculate the descent requirement within ±10 percent. (Page: 142)
Calculate the descent fuel requirement.

Given a mission assignment and relevant mission information, calculate the descent fuel requirement within ±10 percent.

Describe the procedure for calculating descent fuel with no omissions.
Plan recovery (Page:135)

Plan approach

1.1.2.7.3

Compute minimum safe altitude (using FLIP) (E) (Page:144)

Select type of approach

1.1.2.7.3.1

1.1.2.7.3.2

Determine IFR minimums (E) (Page:145)

1.1.2.7.3.3
Given a mission assignment and relevant mission information, compute minimum safe altitude (using FLIP) \((E)\) without error.
Plan approach (Page: 143)
1.1.2.7.3

Determine IFR minimums (E)
1.1.2.7.3.3

Given an approach plate, IFR supplement, and aircraft category code, determine IFR minimums (E) for each type approach without error.
1.1.2.7.3.3.1
Determine the mission data (Page: 8)

1.1.2.6

Compute landing data for primary and alternate airfields

1.1.2.8

Given a mission assignment and relevant mission information, compute landing data for primary and alternate airfields. (Page: 147)

1.1.2.8.1
### 1.1.2.6

**Given a mission assignment and relevant mission information,**
compute landing data for primary and alternate airfields.

### 1.1.2.6.1

**Describe the procedure for computing landing data with no omissions.**
Perform mission planning (Page:3)

List the items of information required on the mission data card for each type of mission with no missions.

Record data on mission data card

1.1.3.
Given a mission assignment and relevant mission information, brief the mission (IP judgement).

(Pager: 150)
Given a mission assignment and relevant mission information, brief the mission (IP judgement).

Describe the procedure for planning a mission briefing and name the considerations of most importance, with no omissions.
1.2 Perform takeoff procedures [Hands-on]

1.2.1 Perform normal takeoff procedures [Hands-on]

1.2.1.1 Prepare/check personal equipment [Hands-on]

1.2.1.1.1 Given personal equipment, identify unacceptable conditions and determine appropriate action in accordance with regulations [Academic]

1.2.1.2 Perform preflight checks [Hands-on]

1.2.1.2.1 Check AFTO Form 781 (E) [Hands-on]

1.2.1.2.2 Perform exterior inspection-aircraft [Hands-on]

1.2.1.2.2.1 Match exterior A/C inspection checklist items with their associated notes, warnings, cautions, limits, tolerances and critical values without error. [Academic]

1.2.1.2.3 Perform exterior inspection-munitions (conventional) [Hands-on]

1.2.1.2.3.1 Inspect M61A1 gun [Hands-on]

1.2.1.2.3.1.1 Match M61A1 gun checklist items with their associated notes, warnings, cautions, tolerances, limits, and critical values without error. [Academic]

1.2.1.2.3.2 Inspect chaff/flare dispenser [Hands-on]

1.2.1.2.3.2.1 Match chaff/flare dispenser checklist items with their associated notes, warnings, cautions, limits, and critical values without error. [Academic]

1.2.1.2.3.3 Inspect suspension equipment [Hands-on]

1.2.1.2.3.3.1 Inspect wing and centerline pylons [Hands-on]

1.2.1.2.3.3.1.1 Match wing and centerline pylon checklist items with their associated notes, warnings, cautions, tolerances, limits, and critical values without error. [Academic]

1.2.1.2.3.3.2 Inspect BRU-31/A bomb rack unit [Hands-on]

1.2.1.2.3.3.2.1 Match BRU 31/A checklist items with their associated notes, warnings, cautions, tolerances, limits, and critical values without error. [Academic]

1.2.1.2.3.4 Inspect weapons [Hands-on]

1.2.1.2.3.4.1 Inspect AIM-9J missile and launcher [Hands-on]

1.2.1.2.3.4.1.1 Match AIM-9J missile and launcher checklist items with their associated notes, warnings, cautions, tolerances, limits, and critical values. [Academic]
1.2.1.2.3.4.2 Inspect AIM-9L missile and launcher (Hands-on)

1.2.1.2.3.4.2.1 Match AIM-9L missile and launcher checklist items with their associated notes, warnings, cautions, tolerances, limits, and critical values without error. (Academic)

1.2.1.2.3.4.3 Inspect MK 82 and MK 84 low drag general purpose bombs (Hands-on)

1.2.1.2.3.4.3.1 Match MK 82 and MK 84 LDGP bombs checklist items with their associated notes, warnings, cautions, tolerances, limits, and critical values without error. (Academic)

1.2.1.2.3.4.4 Inspect MK 82 (Snakeye I) and MK 36 high drag bombs (C) (Hands-on)

1.2.1.2.3.4.4.1 Match MK 82 and MK 36 HDGP bombs checklist items with their associated notes, warnings, cautions, tolerances, limits, and critical values without error. (Academic)

1.2.1.2.3.4.5 Inspect GBU-8/B ED guided bomb (C) (Hands-on)

1.2.1.2.3.4.5.1 Match GBU-8/B checklist items with their associated notes, warnings, cautions, tolerances, limits, and critical values without error. (Academic)

1.2.1.2.3.4.6 Inspect GBU-10/B, GBU-10A/B laser guided bombs (C) (Hands-on)

1.2.1.2.3.4.6.1 Match GBU-10/B, GBU-10A/B checklist items with their associated notes, warnings, cautions, tolerances, limits, and critical values without error. (Academic)

1.2.1.2.3.4.7 Inspect CBU-58/B and CBU-71/B dispensers and bombs (C) (Hands-on)

1.2.1.2.3.4.7.1 Match CBU-58/B, and CBU-71/B checklist items with their associated notes, warnings, cautions, tolerances, limits and critical values without error. (Academic)

1.2.1.2.3.4.8 Inspect MK 20 MOD 4 antitank cluster bomb (C) (Hands-on)

1.2.1.2.3.4.8.1 Match MK 20 MOD 4 checklist items with their associated notes, warnings, cautions, tolerances, limits, and critical values without error. (Academic)

1.2.1.2.3.4.9 Inspect BLU-27/B fire bomb (C) (Hands-on)

1.2.1.2.3.4.9.1 Match BLU-27/B checklist items with their associated notes, warnings, cautions, tolerances, limits, and critical values without error. (Academic)

1.2.1.2.3.4.10 Inspect SUU-25C/A flare dispenser (Hands-on)

1.2.1.2.3.4.10.1 Match SUU-25C/A checklist items with their associated notes, warnings, cautions, tolerances, limits, and critical values without error. (Academic)

1.2.1.2.3.4.11 Inspect LAU-3/A rocket launcher (C) (Hands-on)

1.2.1.2.3.4.11.1 Match LAU-3A checklist items with their associated notes, warnings, cautions, tolerances, limits, and critical values without error. (Academic)
1.2.1.2.3.4.12 Inspect AGM-65A,B air-to-ground guided missile (C) [Hands-on]

1.2.1.2.3.4.12.1 Match AGM-65A,B checklist items with their associated notes, warnings, cautions, tolerances, limits and critical values without error. [Academic]

1.2.1.2.3.4.13 Inspect SUU-20B/A bomb and rocket training dispenser (T) [Hands-on]

1.2.1.2.3.4.13.1 Match SUU-20B/A checklist items with their associated notes, warnings, cautions, tolerances, limits, and critical values without error. [Academic]

1.2.1.2.3.4.14 Inspect BDU-33B/B practice bomb on BRU-31/A or TER-9A bomb rack (T) [Hands-on]

1.2.1.2.3.4.14.1 Match BDU-33B/B checklist items with their associated notes, warnings, cautions, tolerances, limits, and critical values without error. [Academic]

1.2.1.2.3.5 Describe the procedure for performing exterior conventional munitions inspections using -34 checklist and name the considerations of most importance with no omissions. [Academic]

1.2.1.2.4 Inspect ACM-1 pod (T) [Hands-on]

1.2.1.2.5 Perform before entering cockpit checks [Hands-on]

1.2.1.2.5.1 Given a suitable hands-on trainer, perform before entering cockpit checks. [Academic]

1.2.1.2.5.1.1 Inspect ejection seat [Hands-on]

1.2.1.2.5.1.1.1 Match ejection seat inspection checklist items with their associated notes, warnings, cautions, tolerances, limits, and critical values without error. [Academic]

1.2.1.2.5.2 Configure switches in back seat for solo flight [Hands-on]

1.2.1.2.5.2.1 Match before entering cockpit checklist items with their associated notes, cautions, warnings, tolerances, limits, and/or critical values without error. [Academic]

1.2.1.2.5.3 Inspect chaff/flare programmer and control panel [Hands-on]

1.2.1.2.5.3.1 Match chaff/flare programmer and control checklist items with their associated notes, warnings, cautions, tolerances, limits, and critical values without error. [Academic]

1.2.1.3 Perform cockpit ingress, including strap-in [Hands-on]

1.2.1.3.1 Describe the cockpit ingress procedure, including strap-in, with its associated notes, cautions, warnings, critical values, tolerances and limits. [Academic]

1.2.1.4 Perform cockpit interior check (power off) [Hands-on]

1.2.1.4.1 Match cockpit interior checklist items with their associated notes, cautions, warnings, tolerances, limits and critical values without error. [Academic]

1.2.1.4.2 Given a suitable hands-on trainer, perform cockpit interior check (power off) in a combat environment in the correct order without omissions. [Academic]
1.2.1.5 Perform before starting engine check (Hands-on)

1.2.1.5.1 Match before starting engine checklist items with their associated notes, cautions, warnings, tolerances, limits and critical values without error; after cockpit check is complete—verify. [Academic]

1.2.1.5.2 Given a suitable hands-on trainer, perform before starting engine check in a cockpit environment in the correct order without omissions. [Academic]

1.2.1.6 Perform JFS/engine start (Hands-on)

1.2.1.6.1 Perform normal engine start (Hands-on)

1.2.1.6.1.1 Describe the steps in the procedure for normal engine start in correct order with the associated notes, cautions, warnings, critical values, tolerances and limits with no omissions. [Academic]

1.2.1.6.1.1 System workbook—engine system. [Academic]

1.2.1.6.1.1.1 Describe the engine system in the F-16A and F-16B aircraft. [Academic]

1.2.1.6.1.1.2 List with no omissions and describe without error the components and/or functions of the engine system, including as appropriate the sequence and modes of internal and external operation. [Academic]

1.2.1.6.1.1.3 Given a photograph or drawing of the aircraft cockpit, locate and describe the function and manipulation of each control that directly affects the engine system, without error. [Academic]

1.2.1.6.1.1.4 Given a photograph or drawing of the aircraft cockpit, locate and describe the interpretation of each indicator that monitors the engine system, without error. [Academic]

1.2.1.6.1.1.5 State the possible modes of engine system degradation, and describe their causes and consequences, without error. [Academic]

1.2.1.6.1.1.6 List with no omissions and describe without error any features of the engine system in the F-16B that differ or are in addition to those in the F-16A. [Academic]

1.2.1.6.1.2 Given a suitable hands-on trainer, perform normal (JFS) engine start. [Academic]

1.2.1.6.2 Identify and respond to premature JFS cutout (Hands-on)

1.2.1.6.2.1 Given indications occurring during JFS cutout, identify the specific problem without error. [Academic]

1.2.1.6.2.2 State the steps in the corrective procedure for premature JFS cutout in correct order without error. [Academic]

1.2.1.6.2.3 Given a suitable hands-on trainer, identify and respond to premature JFS cutout. [Academic]

1.2.1.6.3 Identify and respond to engine failure to start (Hands-on)

1.2.1.6.3.1 Given indications occurring during engine failure to start, identify the specific problem without error. [Academic]
1.2.1.6.3.2 State the steps in the corrective procedure for engine failure to start in correct order with no omissions. [Academic]

1.2.1.6.3.3 Given a suitable hands-on trainer, identify and respond to engine failure to start. [Academic]

1.2.1.6.4 Identify and respond to hung start [Hands-on]

1.2.1.6.4.1 Given indications occurring during hung start, identify the specific problem without error. [Academic]

1.2.1.6.4.2 State the steps in the corrective procedure for hung start in correct order with no omissions. [Academic]

1.2.1.6.4.3 Given a suitable hands-on trainer, identify and respond to hung start. [Academic]

1.2.1.6.5 Identify and respond to hot start [Hands-on]

1.2.1.6.5.1 Given indications occurring during hot start, identify the specific problem without error. [Academic]

1.2.1.6.5.2 State the steps in the corrective procedure for hot start in correct order without omissions. [Academic]

1.2.1.6.5.3 Given a suitable hands-on trainer, identify and respond to hot start. [Academic]

1.2.1.6.6 Perform external power start [Hands-on]

1.2.1.6.6.1 Describe the steps in the procedure for external power start in correct order with the associated notes, cautions, warnings, critical values, tolerances and limits with no omissions. [Academic]

1.2.1.6.6.2 Given a suitable hands-on trainer, perform external power start. [Academic]

1.2.1.7 Perform after engine start checks [Hands-on]

1.2.1.7.1 Perform FCS self-test [Hands-on]

1.2.1.7.1.1 Given the FCS self-test checklist table and a set of cockpit indications, state correctly whether the test is proceeding normally. [Academic]

1.2.1.7.1.2 State the associated notes, cautions, warnings, critical values, tolerances and limits for FCS self-test procedure with no omissions. [Academic]

1.2.1.7.1.3 Given indication occurring during a FCS self-test, identify test failures without error. [Academic]

1.2.1.7.1.4 State the corrective procedure to be used following FCS self-test failure without error. [Academic]

1.2.1.7.1.5 Given a suitable hands-on trainer, perform FCS self-test. [Academic]

1.2.1.7.2 Perform SMS setup [Hands-on]

1.2.1.7.2.1 Perform SMS stores loading verification (SMS inventory) [Hands-on]
1.2.1.7.2.1.1 State the associated notes, cautions, warnings, critical values, tolerances, and limits for SHS stores loading verification procedure with no omissions. [Academic]

1.2.1.7.2.1.2 Given SMS inventory data indicating an incorrect loading, select the process necessary to correct the loading without error. [Academic]

1.2.1.7.2.2 Perform SMS loading [Hands-on]

1.2.1.7.2.2.1 Perform CONV loading [Hands-on]

1.2.1.7.2.2.1.1 State the associated notes, cautions, warnings, critical values, tolerances, and limits for conventional loading procedure with no omissions. [Academic]

1.2.1.7.2.2.2 Perform RACK loading [Hands-on]

1.2.1.7.2.2.2.1 State the associated notes, cautions, warnings, critical values, tolerances, and limits for RACK loading procedure with no omissions. [Academic]

1.2.1.7.2.2.3 Perform PRGM loading [Hands-on]

1.2.1.7.2.2.3.1 State the associated notes, cautions, warnings, critical values, tolerances and limits for PRGM loading procedure with no omissions. [Academic]

1.2.1.7.2.3 Perform air-to-surface attack modification (profile munitions) [Hands-on]

1.2.1.7.2.3.1 Perform delivery mode modification [Hands-on]

1.2.1.7.2.3.1.1 Describe the steps in the procedure for delivery mode modification in correct order with the associated notes, cautions, warnings, critical values, tolerances and limits with no omissions. [Academic]

1.2.1.7.2.3.2 Perform release option modification [Hands-on]

1.2.1.7.2.3.2.1 Describe the steps in the procedure for release option modification in correct order with the associated notes, cautions, warnings, critical values, tolerances and limits with no omissions. [Academic]

1.2.1.7.2.3.3 Perform impact separation modification [Hands-on]

1.2.1.7.2.3.3.1 Describe the steps in the procedure for impact separation modification in correct order with the associated notes, cautions, warnings, critical values, tolerances and limits with no omissions. [Academic]

1.2.1.7.2.3.4 Perform arming option modification [Hands-on]

1.2.1.7.2.3.4.1 Describe the steps in the procedure for arming option modification in correct order with the associated notes, cautions, warnings, critical values, tolerances and limits with no omissions. [Academic]

1.2.1.7.2.3.5 Perform number of releases modification [Hands-on]

1.2.1.7.2.3.5.1 Describe the steps in the procedure for number of releases modification in correct order with the associated notes, cautions, warnings, critical values, tolerances and limits with no omissions. [Academic]
1.2.1.7.2.3.6 Perform preselection of weapon - air-to-surface mode (hands-on)

1.2.1.7.2.3.6.1 Describe the steps in the procedure for preselection of weapon - air-to-surface mode - in correct order with the associated notes, cautions, warnings, critical values, tolerances and limits with no omissions. [Academic]

1.2.1.7.2.3.7 Describe the steps in the procedure for air-to-surface attack modification in correct order with no omissions. [Academic]

1.2.1.7.2.4 Given a suitable hands-on trainer, perform SMS setup. [Academic]

1.2.1.7.2.5 Describe the steps in SMS setup in correct order with no omissions. [Academic]

1.2.1.7.2.5.1 System Workbook - Stores management system [Academic]

1.2.1.7.2.5.1.1 Describe the stores management system in the F-16A and F-16B aircraft. [Academic]

1.2.1.7.2.5.1.2 List with no omissions and describe without error the components and/or functions of the stores management system, including as appropriate the sequence and modes of internal and external operation. [Academic]

1.2.1.7.2.5.1.3 Given a photograph or drawing of the aircraft cockpit, locate and describe the function and manipulation of each control that directly affects the stores management system, without error. [Academic]

1.2.1.7.2.5.1.4 Given a photograph or drawing of the aircraft cockpit, locate and describe the interpretation of each indicator that monitors the stores management system without error. [Academic]

1.2.1.7.2.5.1.5 State the possible modes of stores management system degradation, and describe their causes and consequences, without error. [Academic]

1.2.1.7.2.5.1.6 List with no omissions and describe without error any features of the stores management system in the F-16B that differ or are in addition to those in the F-16A [Academic]

1.2.1.7.3 Perform FCNP setup [Hands-on]

1.2.1.7.3.1 Perform normal INS (gyrocompass) alignment [Hands-on]

1.2.1.7.3.1.1 Enter present position on FCNP [Hands-on]

1.2.1.7.3.1.1.1 Describe the steps in the procedure for entering present position on FCNP in correct order with the associated notes, cautions, warnings, critical values, tolerances and limits with no omissions. [Academic]

1.2.1.7.3.1.2 Enter manual magnetic variation on FCNP [Hands-on]

1.2.1.7.3.1.2.1 Describe the steps in the procedure for entering manual variation on FCNP in correct order with the associated notes, cautions, warnings, critical values, tolerances and limits with no omissions. [Academic]

1.2.1.7.3.1.3 Monitor alignment status on FCNP [Hands-on]

1.2.1.7.3.1.3.1 Describe the steps in the procedure for monitoring alignment status on FCNP with the associated notes, cautions, warnings, critical values, tolerances and limits with no omissions. [Academic]
1.2.1.7.3.1.4 Match gyrocompass alignment (INS Preflight Procedures) checklist items with their associated notes, cautions, warnings, tolerances, limits and/or critical values without error in accordance with -34, -1. [Academic]

1.2.1.7.3.2 Given a suitable hands-on trainer, perform FCNP setup [Academic]

1.2.1.7.3.2.1 Perform a stored heading alignment [Hands-on]

1.2.1.7.3.2.1.1 Match stored heading alignment (INS preflight procedures) checklist items with their associated notes, cautions, warnings, tolerances, limits and/or critical values without error in accordance with -34, -1. [Academic]

1.2.1.7.3.3 Perform a Best Available True Heading (BATH) alignment [Hands-on]

1.2.1.7.3.3.1 Match Best Available True Heading (BATH) alignment (INS preflight procedures) checklist items with their associated notes, cautions, warnings, tolerances, limits and/or critical values without error in accordance with -34, -1. [Academic]

1.2.1.7.3.4 Enter destination data [Hands-on]

1.2.1.7.3.4.1 Enter destination coordinates [Hands-on]

1.2.1.7.3.4.1.1 Describe the steps in the procedure for entering destination coordinates in correct order with no omissions. [Academic]

1.2.1.7.3.4.2 Enter destination elevation [Hands-on]

1.2.1.7.3.4.2.1 Describe the steps in the procedure for entering destination elevation in correct order with no omissions. [Academic]

1.2.1.7.3.4.3 Enter offset aimpoint data [Hands-on]

1.2.1.7.3.4.3.1 Describe the steps in the procedure for entering offset aimpoint data in correct order with no omissions. [Academic]

1.2.1.7.3.4.4 Match Destination Data Entry FCNP checklist items with their associated notes, cautions, warnings, tolerances, limits and/or critical values without error in accordance with -34. [Academic]

1.2.1.7.3.5 Perform computer time select (C) [Hands-on]

1.2.1.7.3.5.1 Describe the steps in the procedure for computer time select in correct order with the associated notes, cautions, warnings, critical values, tolerances and limits for computer time selection procedure with no omissions. [Academic]

1.2.1.7.3.6 Perform cursor zero [Hands-on]

1.2.1.7.3.6.1 Match cursor zero (INS preflight procedures) checklist items with their associated notes, cautions, warnings, tolerances, limits and/or critical values without error in accordance with -1. [Academic]

1.2.1.7.3.7 Perform D-value altitude calibration [Hands-on]

1.2.1.7.3.7.1 Match D-value altitude calibration (INS preflight procedures) checklist items with their associated notes, cautions, warnings, tolerances, limits and/or critical values without error in accordance with -1. [Academic]
1.2.1.7.3.8 Perform maintenance fault list (MFL) clearing (Hands-on)

1.2.1.7.3.8.1 Match maintenance fault list (MFL) clearing (INS preflight procedures)
checklist items with their associated notes, cautions, warnings, limits and/or critical values without error in accordance with -34. [Academic]

1.2.1.7.3.9 Enter beacon data using FCNP (C) (Hands-on)

1.2.1.7.3.9.1 Match beacon data entry FCNP checklist items with their associated notes,
cautions, warnings, tolerances, limits and/or critical values without error in accordance with -34. [Academic]

1.2.1.7.3.10 Enter TISL code using FCNP (C) (Hands-on)

1.2.1.7.3.10.1 Match TISL data entry FCNP checklist items with their associated notes,
cautions, warnings, tolerances, limits and/or critical values without error in accordance with -34. [Academic]

1.2.1.7.3.11 Perform energy management setup (Hands-on)

1.2.1.7.3.11.1 Enter bingo fuel on FCNP (Hands-on)

1.2.1.7.3.11.1.1 Describe the steps in the procedure for entering BINGO fuel on FCNP
in correct order with the associated notes, cautions, warnings, critical values, tolerances and limits with no omissions. [Academic]

1.2.1.7.3.11.2 Enter home steerpoint (Hands-on)

1.2.1.7.3.12 Check OFP (Hands-on)

1.2.1.7.3.12.1 Describe the steps in the procedure for checking OFP in correct order with
the associated notes, cautions, warnings, critical values, tolerances and limits with no omissions. [Academic]

1.2.1.7.3.13 Perform PFL/MFL recording and INS shutdown (Hands-on)

1.2.1.7.3.13.1 Describe the procedures for PFL/MFL recording and INS shutdown [Academic]

1.2.1.7.3.14 Describe the steps in the procedure for FCNP setup in correct order with
no omissions. [Academic]

1.2.1.7.4 Perform REG setup (Hands-on)

1.2.1.7.4.1 Describe the steps in the procedure for performing REG setup in correct order with
the associated notes, cautions, warnings, critical values, tolerances and limits with no omissions. [Academic]

1.2.1.7.5 Perform HUD setup (Hands-on)

1.2.1.7.5.1 Match Head Up Display (Initial Power Up) checklist items with their associated notes,
cautions, warnings, tolerances, limits and/or critical values without error in accordance with -34. [Academic]

1.2.1.7.6 Perform threat warning system check (Hands-on)

1.2.1.7.6.1 Match threat warning system checklist items with their associated notes, cautions,
warnings, tolerances, limits and/or critical values without error in accordance with -34.
1.2.1.7.7 Perform ECM equipment checks (if applicable) [Hands-on]

1.2.1.7.7.1 Describe the steps in the procedure for performing ECM equipment checks in correct order with no omissions. [Academic]

1.2.1.7.8 Perform secure voice check (C) [Hands-on]

1.2.1.7.8.1 Describe the steps in the procedure for performing the secure voice check in correct order with no omissions. [Academic]

1.2.1.7.9 Perform BIT checks via FCNP [Hands-on]

1.2.1.7.9.1 State the correct procedure for initiating built-in test (BIT) sequences via the FCNP in accordance with the checklist and/or Avionics Manual. [Academic]

1.2.1.7.10 Given a suitable hands-on trainer, perform after engine start checks [Academic]

1.2.1.7.11 Match after engine start checklist items with their associated notes, cautions, warnings, tolerances and critical values without error [Academic]

1.2.1.8 Perform before taxi checks [Hands-on]

1.2.1.8.1 Match before taxi checklist items with their associated notes, cautions, warnings, tolerances and/or critical values without error in accordance with -1. [Academic]

1.2.1.9 Perform taxi [Hands-on]

1.2.1.9.1 Perform taxi checks [Hands-on]

1.2.1.9.1.1 Match taxi checklist items with their associated notes, cautions, warnings, limits and/or critical values without error in accordance with -1. [Academic]

1.2.1.9.2 Perform single-ship taxi [Hands-on]

1.2.1.9.2.1 Describe the steps in the procedure for single-ship taxi in correct order with the associated notes, cautions, warnings, critical values, tolerances and limits with no omissions. [Academic]

1.2.1.9.2.1.1 System workbook--brake system. [Academic]

1.2.1.9.2.1.1.1 Describe the brake system in the F-16A and F-16B aircraft. [Academic]

1.2.1.9.2.1.1.2 List with no omissions and describe without error the components and/or functions of the brake system, including as appropriate the sequence and modes of internal and external operation. [Academic]

1.2.1.9.2.1.1.3 Given a photograph or drawing of the aircraft cockpit, locate and describe the function and manipulation of each control that directly affects the brake system, without error. [Academic]

1.2.1.9.2.1.1.4 Given a photograph or drawing of the aircraft cockpit, locate and describe the interpretation of each indicator that monitors the brake system, without error. [Academic]

1.2.1.9.2.1.1.5 State the possible modes of brake system degradation, and describe their causes and consequences, without error. [Academic]
1.2.1.9.2.1.6 List with no omissions and describe without error any features of the brake system in the F-16B that differ or are in addition to those in the F-16A. [Academic]

1.2.1.9.2.1.2 System workbook—NWS system. [Academic]

1.2.1.9.2.1.2.1 Describe the NWS system in the F-16A and F-16B aircraft [Academic]

1.2.1.9.2.1.2.2 List with no omissions and describe without error the components and/or functions of the NWS system, including as appropriate the sequence and mode of internal and external operation. [Academic]

1.2.1.9.2.1.2.3 Given a photograph or drawing of the aircraft cockpit, locate and describe the function and manipulation of each control that directly affects the NWS system, without error. [Academic]

1.2.1.9.2.1.2.4 Given a photograph or drawing of the aircraft cockpit, locate and describe the interpretation of each indicator that monitors the NWS system without error. [Academic]

1.2.1.9.2.1.2.5 State the possible modes of NWS system degradation, and describe the causes and consequences, without error. [Academic]

1.2.1.9.2.1.2.6 List with no omissions and describe without error any features of the NWS system in the F-16B that differ or are in addition to those in the F-16A. [Academic]

1.2.1.9.3 Perform formation taxi [Hands-on]

1.2.1.9.3.1 Describe the procedures and techniques for formation taxi in the F-16. [Academic]

1.2.1.10 Accomplish maintenance arming procedures/maintenance checks [Hands-on]

1.2.1.10.1 Describe the steps in the procedure for accomplishing maintenance arming procedures/maintenance checks in correct order with the associated notes, cautions, warnings, critical values, tolerances and limits with no omissions. [Academic]

1.2.1.11 Perform before takeoff checks [Hands-on]

1.2.1.11.1 Match before takeoff checklist items with their associated notes, cautions, warnings, tolerances, limits and/or critical values without error in accordance with -1. [Academic]

1.2.1.12 Take active runway [Hands-on]

1.2.1.12.1 Take active runway as a single ship (E) [Hands-on]

1.2.1.12.2 Take active runway as a formation (E) [Hands-on]

1.2.1.13 Perform lineup checks [Hands-on]

1.2.1.13.1 Perform lineup checks for single ship takeoff [Hands-on]

1.2.1.13.1.1 Describe the steps in the procedure for performing single ship lineup checks with associated tolerances, limits, and critical values without error. [Academic]

1.2.1.13.2 Perform lineup for formation takeoff [Hands-on]
1.2.1.3.2.1 Describe the procedures and techniques for formation line-up in the F-16. [Academic]

1.2.2 Perform night ground operations [Hands-on]

1.2.3 Perform adverse weather pretakeoff procedures [Hands-on]

1.2.3.1 State the special considerations for performing adverse weather pretakeoff procedures with no omissions. [Academic]

1.2.4 Perform scramble pretakeoff procedures (C) [Hands-on]

1.2.4.1 Perform scramble preflight checks (cock aircraft for alert) (C) [Hands-on]

1.2.4.1.1 Describe the steps in the procedure for performing a scramble preflight check in correct order with the associated notes, cautions, warnings, critical values, tolerances, and limits with no omissions. [Academic]

1.2.4.2 Perform scramble launch (aircraft on alert) procedures (C) [Hands-on]

1.2.4.2.1 Describe the steps in the procedure for performing scramble launch in correct order with the associated notes, cautions, warnings, critical values, tolerances, and limits with no omissions. [Academic]

1.2.4.3 Perform scramble taxi (C) [Hands-on]

1.2.4.3.1 Describe the steps in the procedure for performing scramble taxi in correct order with the associated notes, cautions, warnings, critical values, tolerances, and limits with no omissions. [Academic]

1.2.4.4 Given a suitable hands-on trainer, perform scramble pretakeoff procedures [Academic]

1.2.5 Perform nuclear strike/alert pretakeoff procedures (C) [Hands-on]

1.2.5.1 Perform preflight procedures—nuclear (T or C for actual WPN) [Hands-on]

1.2.5.1.1 Check AFTO Form 781 (nuclear) (T or C for actual WPN) [Hands-on]

1.2.5.1.2 Perform exterior inspection—aircraft (nuclear) (see perform exterior inspection—a/c) (T or C for actual WPN) [Hands-on]

1.2.5.1.3 Perform exterior inspection—munitions (nuclear) (T or C for actual WPN) [Hands-on]

1.2.5.1.3.1 Inspect MAU-12 C/A rack (nuclear) (T or C for actual WPN) [Hands-on]

1.2.5.1.3.1.1 Match MAU-12 C/A rack (nuclear) checklist items with their associated notes, cautions, warnings, tolerances, limits and/or critical values without error in accordance with -25. [Academic]

1.2.5.1.3.2 Inspect weapons (nuclear) (T or C for actual WPN) [Hands-on]

1.2.5.1.3.2.1 Inspect B43 bomb (nuclear) (T or C for actual WPN) [Hands-on]

1.2.5.1.3.2.1.1 Match B43 bomb (nuclear) checklist items with their associated notes, cautions, warnings, tolerances, limits and/or critical values without error in accordance with -25. [Academic]
1.2.5.1.3.2.2 Inspect B57 bomb (nuclear) (T or C for actual WPN) [Hands-on]

1.2.5.1.3.2.2.1 Match B57 bomb (nuclear) checklist items with their associated notes, cautions, warnings, tolerances, limits and/or critical values without error in accordance with -25. [Academic]

1.2.5.1.3.2.3 Inspect B61 bomb (nuclear) (T or C for actual WPN) [Hands-on]

1.2.5.1.3.2.3.1 Match B61 bomb (nuclear) checklist items with their associated notes, cautions, warnings, tolerances, limits and/or critical values without error in accordance with -25. [Academic]

1.2.5.1.4 Perform interior inspection (power off) - nuclear (T or C for actual WPN) [Hands-on]

1.2.5.1.4.1 Match interior inspection (power off) - nuclear checklist items with their associated notes, cautions, warnings, tolerances, limits and/or critical values without error in accordance with -25. [Academic]

1.2.5.1.5 Perform interior inspection (power on) - nuclear (T or C for actual WPN) [Hands-on]

1.2.5.1.5.1 Perform NUCMS loading [Hands-on]

1.2.5.1.5.1.1 Describe the steps in the procedure for performing NUC loading with the associated notes, cautions, warnings, critical values, tolerances, and limits without omission. [Academic]

1.2.5.1.5.1.2 Given a suitable hands-on trainer, perform NUC loading. [Academic]

1.2.5.1.5.2 Match interior inspection (power on) - nuclear checklist items with their associated notes, cautions, warnings, tolerances, limits and/or critical values without error in accordance with -25. [Academic]

1.2.5.2 Perform ground alert procedures (nuclear) (C) [Hands-on]

1.2.5.2.1 Describe the procedure for performing ground alert procedures (NUC) and name the considerations of most importance with no omissions. [Academic]

1.2.5.3 Perform launch procedures (nuclear) (C) [Hands-on]

1.2.5.4 Given a suitable hands-on trainer, perform nuclear strike/alert pretakeoff procedures. [Academic]

1.2.6 Perform pretakeoff emergency procedures [Hands-on]

1.2.6.1 Perform engine-starting emergency procedures [Hands-on]

1.2.6.1.1 Accomplish emergency engine shutdown on ground [Hands-on]

1.2.6.1.1.1 Describe the steps in the procedure for emergency engine shutdown on ground in correct order with no omissions. [Academic]

1.2.6.1.2 Respond to JFS malfunction (no JFS RUN light) [Hands-on]

1.2.6.1.2.1 Given indications occurring during JFS malfunction (no JFS RUN light), identify the specific problem and state the correct response without error. [Academic]

1.2.6.1.2.2 State the steps in the corrective procedure for the 'No JFS RUN light' malfunction without error. [Academic]
1.2.6.1.3 Respond to JFS RUN light not going out [Hands-on]

1.2.6.1.3.1 Given indications occurring during JFS RUN light not going out, identify the specific problem without error. [Academic]

1.2.6.1.3.2 State the steps in the corrective procedure for the JFS RUN light not going out without error. [Academic]

1.2.6.1.4 Identify and respond to engine start overtemp [Hands-on]

1.2.6.1.4.1 Given indications occurring during engine start overtemp, identify the specific problem without error. [Academic]

1.2.6.1.4.2 State the steps in the corrective procedure for the engine start overtemp malfunction without error. [Academic]

1.2.6.1.5 Identify and respond to engine/JFS fire/overheat on start [Hands-on]

1.2.6.1.5.1 Given indications occurring during engine/JFS fire/overheat on start, identify the specific problem without error. [Academic]

1.2.6.1.5.2 State the steps in the corrective procedure for the engine/JFS fire/overheat on start without error. [Academic]

1.2.6.1.6 State the possible modes of engine system degradation, and describe their causes and consequences, without error. [Academic]

1.2.6.1.7 List with no omissions and describe without error any features of the engine system in the F-16 that differ or are in addition to those in the F-16A. [Academic]

1.2.6.2 Perform ground emergency procedures [Hands-on]

1.2.6.2.1 Perform emergency ground egress [Hands-on]

1.2.6.2.1.1 Describe the steps in the procedure for emergency ground egress in correct order with no omissions. [Academic]

1.2.6.2.1.1.1 Systems workbook—escape system [Academic]

1.2.6.2.1.1.1 Describe the escape system in the F-16A and F-16B aircraft. [Academic]

1.2.6.2.1.1.2 List with no omissions and describe without error the components and/or functions of the escape system, including as appropriate the sequence and modes of internal and external operation. [Academic]

1.2.6.2.1.1.3 Given a photograph or drawing of the aircraft cockpit, locate and describe the function and manipulation of each control that directly affects the escape system without error. [Academic]

1.2.6.2.1.1.4 Given a drawing or photograph of the aircraft cockpit, locate and describe the interpretation of each indicator that monitors the escape system without error. [Academic]

1.2.6.2.1.1.5 State the possible modes of escape system degradation, and describe their causes and consequences without error. [Academic]
1.2.6.2.1.1.6 List with no omissions and describe without error any features of the escape system in the F-16B that differ or are in addition to those in the F-16A. [Academic]

1.2.6.2.1.2 Given a suitable hands-on trainer, perform emergency ground egress. [Academic]

1.2.6.2.2 Perform emergency ground entrance (b) [Hands-on]

1.2.6.2.2.1 Describe the steps in the procedure for emergency ground entrance in correct order with no omission. [Academic]

1.2.6.2.3 Perform emergency ground jettison [Hands-on]

1.2.6.2.3.1 Describe the steps in the procedure for emergency ground jettison in correct order with no omissions. [Academic]

1.2.6.2.4 Identify and respond to brake failure while taxiing [Hands-on]

1.2.6.2.4.1 Given indications occurring during brake failure while taxiing, identify the specific problem and state the correct response without error. [Academic]

1.2.6.2.4.1.1 Systems workbook - wheel brake system [Academic]

1.2.6.2.4.1.1.1 Describe the wheel brake system in the F-16A and F-16B aircraft. [Academic]

1.2.6.2.4.1.1.2 List with no omissions and describe without error the components and/or functions of the wheel brake system, including as appropriate the sequence and modes of internal and external operations. [Academic]

1.2.6.2.4.1.1.3 Given a photograph or drawing of the aircraft cockpit, locate and describe the function of each control that directly affects the wheel brake system, without error. [Academic]

1.2.6.2.4.1.1.4 Given a photograph or drawing of the aircraft cockpit, locate and describe the interpretation of each indicator that monitors the wheel brake system without error. [Academic]

1.2.6.2.4.1.1.5 State the possible modes of wheel brake system degradation, and describe their causes and consequences without error. [Academic]

1.2.6.2.4.1.1.6 List with no omissions and describe without error any features of the wheel brake system in the F-16B that differ or are in addition to those in the F-16A. [Academic]

1.2.6.2.4.2 State the steps in the corrective procedure for brake failure while taxiing without error. [Academic]

1.2.6.2.5 Identify and respond to nosewheel steering failure [Hands-on]

1.2.6.2.5.1 Given indications occurring during nosewheel steering failure, identify the specific problem and state the correct response without error. [Academic]

1.2.6.2.5.1.1 Systems workbook—nosewheel steering system [Academic]

1.2.6.2.5.1.1.1 Describe the nosewheel steering system in the F-16A and F-16B aircraft. [Academic]
1.2.6.2.5.1.1.2 List with no omissions and describe without error the components and/or functions of the nosewheel steering system, including as appropriate the sequence and modes of internal and external operation. [Academic]

1.2.6.2.5.1.1.3 Given a photograph or drawing of the aircraft cockpit, locate and describe the function and manipulation of each control that directly affects the nosewheel steering system without error. [Academic]

1.2.6.2.5.1.1.4 Given a photograph or drawing of the aircraft cockpit, locate and describe the interpretation of each indicator that monitors the nosewheel steering system without error. [Academic]

1.2.6.2.5.1.1.5 State the possible modes of nosewheel steering system degradation, and describe their causes and consequences without error. [Academic]

1.2.6.2.6 Identify and respond to electrical malfunction on ground [Hands-on]

1.2.6.2.6.1 State the possible modes of electrical power system degradation, and describe their causes and consequences, without error. [Academic]

1.2.6.2.6.1.1 List with no omissions and describe without error any feature of the electrical power system in the F-16B that differ or are in addition to those of the F-16A. [Academic]

1.2.6.2.6.2 State the steps in the corrective procedure for electrical malfunction on ground without error. [Academic]

1.2.6.2.7 Identify and respond to hydraulic system failure on ground [Hands-on]

1.2.6.2.7.1 Given indications occurring during hydraulic system failure on ground, identify the specific problem and state the correct response without error. [Academic]

1.2.6.2.7.1.1 System workbook—hydraulic power system [Academic]

1.2.6.2.7.1.1.1 Describe the hydraulic power system in the F-16A and F-16B aircraft. [Academic]

1.2.6.2.7.1.1.2 List with no omissions and describe without error the components and/or functions of the hydraulic power system, including as appropriate the sequence and modes of internal and external operation. [Academic]

1.2.6.2.7.1.1.3 Given a photograph or drawing of the aircraft cockpit, locate and describe the function and manipulation of each control that directly affects the hydraulic power system without error. [Academic]

1.2.6.2.7.1.1.4 Given a photograph or drawing of the aircraft cockpit, locate and describe the interpretation of each indicator that monitors the hydraulic power system without error. [Academic]

1.2.6.2.7.1.1.5 State the possible modes of hydraulic power system degradation, and describe their causes and consequences without error. [Academic]

1.2.6.2.7.1.1.6 List with no omissions and describe without error any features of the hydraulic power system in the F-16B that differ or are in addition to the F-16A. [Academic]
1.2.6.2.7.2 State the steps in the corrective procedure for hydraulic system failure on ground without error. [Academic]
1.2 PRETAKEOFF PROCEDURES
CRITERION-REFERENCED OBJECTIVES

Tasks Without CROs

1.2.1.2
1.2.1.2.1
1.2.1.2.3
1.2.1.2.3.3
1.2.1.2.3.4
1.2.1.2.4
1.2.1.6
1.2.1.7.2
1.2.1.7.2.2
1.2.1.7.2.2.1
1.2.1.7.3
1.2.1.7.3.1
1.2.7.3.4
1.2.1.7.3.13
1.2.1.7.7
1.2.1.7.8
1.2.1.7.9
1.2.1.9
1.2.1.12
1.2.1.12.1
1.2.1.13.1

1.2.5.1
1.2.5.1.1
1.2.5.1.2
1.2.5.1.3
1.2.5.1.3.2
1.2.6.1
1.2.6.2
1.2.6.2.2
TASK NO.: 1.2.1.1

BEHAVIOR: Prepare/check personal equipment

CONDITION:

Agency: Life support
  Information source for: Required personal equipment

Manuals and pubs: None
  Information source for: N/A

Activity: Perform normal pretakeoff procedures

External environment: N/A

Aids: Life support oxygen mask leak/helmet comm tester

Product of previous task: Determine mission related personal support equipment

Initiation cues: Prior to building departure for flight
  Systems presenting cues: None

STANDARD:

Authority: TACR 501-:

Performance precision: Accurately IAW procedure

Computational accuracy: N/A
TASK NO.: 1.2.1.2.2

BEHAVIOR: Perform exterior inspection - aircraft

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -1 Checklist
Information source for: Exterior inspection procedures

Activity: Perform preflight checks

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Upon arriving at assigned aircraft
Systems presenting cues: None

STANDARD:

Authority: -1 checklist

Performance precision: Accurately IAW checklist

Computational accuracy: N/A
TASK NO.: 1.2.1.2.3

BEHAVIOR: Perform exterior inspection - munitions (conventional)

CONDITION:

Agency:
  Information source for:

Manuals and pubs:
  Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:
  Systems presenting cues:

STANDARD:

Authority:

Performance precision:

Computational accuracy:
TASK NO.: 1.2.1.2.3.1

BEHAVIOR: Inspect M61A1 gun

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -34 checklist
Information source for: Procedures

Activity: Perform exterior inspection - munitions

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Upon completion of or simultaneously with exterior aircraft inspection
Systems presenting cues: None

STANDARD:

Authority: -34 checklist

Performance precision: Accurately IAW checklist

Computational accuracy: N/A
 TASK NO.: 1.2.1.2.3.2

 BEHAVIOR: Inspect chaff/flare dispenser

 CONDITION:

 Agency: None
 Information source for: N/A

 Manuals and pubs: -34 checklist
 Information source for: Procedures

 Activity: Perform exterior inspection - munitions

 External environment: N/A

 Aids: None

 Product of previous task: None

 Initiation cues: Upon completion of or simultaneously with exterior aircraft inspection
 Systems presenting cues: None

 STANDARD:

 Authority: -34 checklist

 Performance precision: Accurately IAW checklist

 Computational accuracy: N/A
TASK NO.: 1.2.1.2.3.3.1

BEHAVIOR: Inspect wing and centerline pylons

--------------------------------------------------------------------------------

CONDITION:

Agency: None
  Information source for: N/A

Manuals and pubs: -34 checklist
  Information source for: Procedures

Activity: Inspect suspension equipment

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Upon completion of or simultaneously with exterior aircraft inspection
  Systems presenting cues: None

--------------------------------------------------------------------------------

STANDARD:

Authority: -34

Performance precision: Accurately IAW checklist

Computational accuracy: N/A
TASK NO.: 1.2.1.2.3.3.2

BEHAVIOR: Inspect BRTU-31/A bomb rack unit

CONDITION:

Agency: None
    Information source for: N/A

Manuals and pubs: -34 checklist
    Information source for: Procedures

Activity: Inspect suspension equipment

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Upon completion of or simultaneously with exterior aircraft inspection
    Systems presenting cues: None

STANDARD:

Authority: -34, -25

Performance precision: Accurately IAW checklist

Computational accuracy: N/A
TASK NO.: 1.2.1.2.3.4.1

BEHAVIOR: Inspect AIM-9J missile and launcher

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -34 checklist
Information source for: Procedures

Activity: Inspect weapons

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Upon completion of or simultaneously with exterior aircraft inspection
Systems presenting cues: None

STANDARD:

Authority: -34 checklist

Performance precision: Accurately IAW checklist

Computational accuracy: N/A
TASK NO.: 1.2.1.2.3.4.2

BEHAVIOR: Inspect AIM-9L missile and launcher

CONDITION:

Agency: None
  Information source for: N/A

Manuals and pubs: -34 checklist
  Information source for: Procedures

Activity: Inspect weapons

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Upon completion of or simultaneously with exterior aircraft inspection
  Systems presenting cues: None

STANDARD:

Authority: -34 checklist

Performance precision: Accurately IAW checklist

Computational accuracy: N/A
TASK NO.: 1.2.1.2.3.4.3

BEHAVIOR: Inspect MK 82 and MK 84 low drag general purpose bombs

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: -34 checklist

Information source for: Procedures

Activity: Inspect weapons

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Upon completion of or simultaneously with exterior aircraft inspection

Systems presenting cues: None

STANDARD:

Authority: -34 checklist

Performance precision: Accurately IAW checklist

Computational accuracy: N/A
TASK NO.: 1.2.1.2.3.4.4

BEHAVIOR: Inspect MK 82 (Snakeye I) and MK 36 high drag bombs

CONDITION:

Agency: None

Manuals and pubs: -34 checklist

Activity: Inspect weapons

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Upon completion of or simultaneously with exterior aircraft inspection

STANDARD:

Authority: -34 checklist

Performance precision: Accurately IAW checklist

Computational accuracy: N/A
TASK NO.: 1.2.1.2.3.4.5

BEHAVIOR: Inspect GBU-8/B EO guided bomb

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -34 checklist
Information source for: Procedures

Activity: Inspect weapons

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Upon completion of or simultaneously with exterior aircraft inspection
Systems presenting cues: None

STANDARD:

Authority: -34 checklist

Performance precision: Accurately IAW checklist

Computational accuracy: N/A
TASK NO.: 1.2.1.2.3.4.6

BEHAVIOR: Inspect GBU-10/B, GBU-10A/B laser guided bombs

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -34 checklist
Information source for: Procedures

Activity: Inspect weapons

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Upon completion of or simultaneously with exterior aircraft inspection
Systems presenting cues: None

STANDARD:

Authority: -34 checklist

Performance precision: Accurately IAW checklist

Computational accuracy: N/A
TASK NO.: 1.2.1.2.3.4.7

BEHAVIOR: Inspect CBU-58/B and CBU-71/B dispensers and bombs

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -34 checklist
Information source for: Procedures

Activity: Inspect weapons

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Upon completion of or simultaneously with exterior aircraft inspection.
Systems presenting cues: N/A

STANDARD:

Authority: -34 checklist

Performance precision: Accurately IAW checklist

Computational accuracy: N/A
TA\$KI\$ NO.: 1.2.1.2.3.4.8

BEHAVIOR: Inspect MK 20 MOD 4 antitank cluster bomb

CONDITION:
- Agency: None
  - Information source for: N/A
- Manuals and pubs: -34 checklist
  - Information source for: Procedures
- Activity: Inspect weapons
- External environment: N/A
- Aids: None
- Product of previous task: None
- Initiation cues: Upon completion of or simultaneously with exterior aircraft inspection
  - Systems presenting cues: None

STANDARD:
- Authority: -34 checklist
- Performance precision: Accurately IAW checklist
- Computational accuracy: N/A
TASK NO.: 1.2.1.2.3.4.9.

BEHAVIOR: Inspect BLU-27/B fire bomb

-----------------------------------

CONDITION:

Agency: None
  Information source for: N/A

Manuals and pubs: -34 checklist
  Information source for: Procedures

Activity: Inspect weapons

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Upon completion of or simultaneously with exterior aircraft inspection
  Systems presenting cues: None

-----------------------------------

STANDARD:

Authority: -34 checklist

Performance precision: Accurately IAW checklist

Computational accuracy: N/A
TASK NO.: 1.2.1.2.3.4.10

BEHAVIOR: Inspect SUU-25C/A flare dispenser

CONDITION:

Agency: None
  Information source for: N/A

Manuals and pubs: -34 checklist
  Information source for: Procedures

Activity: Inspect weapons

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Upon completion of or simultaneously with exterior aircraft inspection
  Systems presenting cues: None

STANDARD:

Authority: -34 checklist

Performance precision: Accurately IAW checklist

Computational accuracy: N/A
TASK NO.: 1.2.1.2.3.4.11

BEHAVIOR: Inspect LAU-3/A rocket launcher

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -34 checklist
Information source for: Procedures

Activity: Inspect weapons

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Upon completion of or simultaneously with exterior aircraft inspection
Systems presenting cues: None

STANDARD:

Authority: -34 checklist

Performance precision: Accurately IAW checklist

Computational accuracy: N/A
TASK NO.: 1.2.1.2.3.4.12

BEHAVIOR: Inspect AGM-65A,B air-to-ground guided missile

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -34 checklist
Information source for: Procedures

Activity: Inspect weapons
External environment: N/A
Aids: None

Product of previous task: None

Initiation cues: Upon completion of or simultaneously with exterior aircraft inspection
Systems presenting cues: None

STANDARD:

Authority: -34 checklist
Performance precision: Accurately IAW checklist
Computational accuracy: N/A
BEHAVIOR: Inspect SUU-20B/A bomb and rocket training dispenser

CONDITION:

Agency: None  
Manuals and pubs: -34 checklist  
Activity: Inspect weapons  
External environment: N/A  
Aids: None  
Product of previous task: None  
Initiation cues: Upon completion of or simultaneously with exterior aircraft inspection  
Systems presenting cues: None

STANDARD:

Authority: -34 checklist  
Performance precision: Accurately IAW checklist  
Computational accuracy: N/A
TASK NO.: 1.2.1.2.3.4.14

BEHAVIOR: Inspect EDU-33B/B practice bomb on BRU-31/A or TER-9A bomb rack

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -34 checklist
Information source for: Procedures

Activity: Inspect weapons

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Upon completion of or simultaneously with exterior aircraft inspection
Systems presenting cues: None

STANDARD:

Authority: -34 checklist

Performance precision: Accurately IAW checklist

Computational accuracy: N/A
TASK NO.: 1.2.1.2.5

BEHAVIOR: Perform before entering cockpit checks

--------------------------------------------------------------------------------

CONDITION:

Agency:
  Information source for:

Manuals and pubs:
  Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:
  Systems presenting cues:

--------------------------------------------------------------------------------

STANDARD:

Authority:

Performance precision:

Computational accuracy:
TASK NO.: 1.2.1.2.5.1

BEHAVIOR: Inspect ejection seat

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -1 checklist
Information source for: Procedures

Activity: Perform before entering cockpit checks

External environment: N/A
Aids: None

Product of previous task: None

Initiation cues: Before entering cockpit
Systems presenting cues: None

STANDARD:

Authority: -1 checklist
Performance precision: Accurately IAW checklist
Computational accuracy: N/A
TASK NO.: 1.2.1.2.5.2

BEHAVIOR: Configure switches in back seat for solo flight

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -1 checklist
Information source for: Procedures

Activity: Perform before entering cockpit checks

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: After interior/weapons check; before entering cockpit

Systems presenting cues: None

STANDARD:

Authority: -1 checklist

Performance precision: Accurately IAW checklist

Computational accuracy: N/A
TASK NO.: 1.2.1.2.5.3

BEHAVIOR: Inspect chaff/flare programmer and control panel

CONDITION:

Agency: OPS
Information source for: Chaff/flare programmer setting recommendations

Manuals and pubs: -34 checklist
Information source for: Procedures

Activity: Perform before entering cockpit checks

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Before entering cockpit, after exterior/weapons inspection
Systems presenting cues: None

STANDARD:

Authority: -34 checklist

Performance precision: Accurately IAW checklist

Computational accuracy: N/A
TASK NO.: 1.2.1.3

BEHAVIOR: Perform cockpit ingress, including strap-in

----------------------------------------

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: None
Information source for: N/A

Activity: Perform normal pretakeoff procedures

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: After before entering cockpit checks complete
Systems presenting cues: None

----------------------------------------

STANDARD:

Authority: -

Performance precision: Accurately without damage to equipment

Computational accuracy: N/A
TASK NO.: 1.2.1.4

BEHAVIOR: Perform cockpit interior check (power off)

CONDITION:

Agency: None
  Information source for: N/A

Manuals and pubs: -1 checklist
  Information source for: Required procedures

Activity: Perform normal pretakeoff procedures

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: After cockpit ingress
  Systems presenting cues: None

STANDARD:

Authority: -1 checklist

Performance precision: Accurately IAW -1 procedures

Computational accuracy: N/A
TASK NO.: 1.2.1.5

BEHAVIOR: Perform before starting engine check

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -1 checklist
Information source for: Required items

Activity: Perform normal pretakeoff procedures

External environment: N/A

Aids: None

Product of previous task: N/A

Initiation cues: After cockpit interior check is complete
Systems presenting cues: N/A

STANDARD:

Authority: -1

Performance precision: Accurately IAW -1

Computational accuracy: N/A
TASK NO.: 1.2.1.6.1

BEHAVIOR: Perform normal (JFS) engine start

CONDITION:

Agency: None
  Information source for: N/A

Manuals and pubs: -1 checklist
  Information source for: Required procedures

Activity: Perform JFS/engine start

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: After before starting engine checks complete
  Systems presenting cues: None

STANDARD:

Authority: -1

Performance precision: Accurately IAW -1 procedures

Computational accuracy: N/A
TASK NO.: 1.2.1.6.2

BEHAVIOR: Identify and respond to premature JFS cutout

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: -1 checklist

Information source for: Engine start procedures

Activity: Perform JFS/Engine start

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: JFS shutdown before 50% rpm attained; JFS run light out; JFS start switch returning to off; elimination of JFS peculiar noise and vibration; engine deceleration

Systems presenting cues: Engine

STANDARD:

Authority: -1 (if incorporated - Presently GD Task Analysis)

Performance precision: Accurately IAW steps defined below

Computational accuracy: N/A
TASK NO.: 1.2.1.6.3

BEHAVIOR: Identify and respond to engine failure to start

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -1 checklist
Information source for: Normal start procedures

Activity: Perform JFS/engine start

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: FTIT does not rise when throttle moved to idle at 15% RPM.
Systems presenting cues: Engine

STANDARD:

Authority: -1

Performance precision: Accurately IAW -1 procedures

Computational accuracy: N/A
TASK NO.: 1.2.1.6.4

BEHAVIOR: Identify and respond to hung start

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: -1 checklist

Information source for: Normal start procedures

Activity: Perform JFS/engine start

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: RPM hangs up or decays during start cycle; FTIT stable or decreasing

Systems presenting cues: Engine

STANDARD:

Authority: -1

Performance precision: Accurately IAW procedures

Computational accuracy: N/A
TASK NO.: 1.2.1.6.5

BEHAVIOR: Identify and respond to hot start

CONDITION:

Agency: None
  Information source for: N/A

Manuals and pubs: -1 checklist
  Information source for: Normal start procedures

Activity: Perform JFS/engine start

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Torching from tail pipe or RPM stagnates with increasing FTIT; rapid FTIT rise thru 580°C
  Systems presenting cues: Engine

STANDARD:

Authority: -1

Performance precision: Accurately IAW procedures

Computational accuracy: N/A
TASK NO.: 1.2.1.6.6

BEHAVIOR: Perform external power start

CONDITION:

Agency:
  Information source for:

Manuals and pubs:
  Information source for:

Activity: Perform JPS/engine start

External environment:

Aids:

Product of previous task:

Initiation cues:
  Systems presenting cues:

STANDARD:

Authority:

Performance precision:

Computational accuracy:
TASK NO.: 1.2.1.7

BEHAVIOR: Perform after engine start checks

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -1 checklist
Information source for: Procedures

Activity: Perform normal pretakeoff procedures

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: After engine start: JFS shutdown
Systems presenting cues: Engine

STANDARD:

Authority: -1

Performance precision: Accurately in sequence IAW -1

Computational accuracy: N/A
TASK NO.: 1.2.1.7.1

BEHAVIOR: Perform FCS self-test

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -1 checklist
Information source for: Procedures

Activity: Perform after engine start checks

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Appropriate point in after engine start checks
Systems presenting cues: N/A

STANDARD:

Authority: -1

Performance precision: Accurately IAW procedures in -1

Computational accuracy: N/A
TASK NO.: 1.2.1.7.2

BEHAVIOR: Perform SMS setup

CONDITION:

Agency:
Information source for:

Manuals and pubs:
Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:
Systems presenting cues:

STANDARD:

Authority:

Performance precision:

Computational accuracy:
TASK NO.: 1.2.1.7.2.1

BEHAVIOR: Perform SMS stores loading verification (SMS inventory)

CONDITION:

Agency: None
  Information source for: N/A

Manuals and pubs: -34 checklist
  Information source for: Procedures

Activity: Perform SMS set up

External environment: N/A

Aids: None

Product of previous task: (External stores loaded on aircraft)

Initiation cues: "SMS-as desired" step in after start checks
  Systems presenting cues: None

STANDARD:

Authority: -34 checklist

Performance precision: Accurately IAW procedures

Computational accuracy: N/A
TASK NO.: 1.2.1.7.2.2.1

BEHAVIOR: Perform CONV loading

CONDITION:

Agency: None
  Information source for: N/A

Manuals and pubs: -34 checklist
  Information source for: Procedures and inventory numbers

Activity: Perform SMS loading

External environment: N/A

Aids: None

Product of previous task: (External stores loaded on aircraft)

Initiation cues: If SMS not loaded with stores data or data incorrect
  Systems presenting cues: SMS

STANDARD:

Authority: -34

Performance precision: Accurately IAW procedures in -34

Computational accuracy: N/A
TASK NO.: 1.2.1.7.2.2.2

BEHAVIOR: Perform RACK loading

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -34 checklist
Information source for: Procedures and inventory numbers

Activity: Perform SMS loading

External environment: N/A

Aids: None

Product of previous task: (External stores and racks loaded on aircraft)

Initiation cues: If SMS not loaded with stores data or data incorrect
Systems presenting cues: SMS

STANDARD:

Authority: -34

Performance precision: Accurately IAW procedures in -34

Computational accuracy: N/A
TASK NO.: 1.2.1.7.2.2.3

BEHAVIOR: Perform PRGM loading

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -34
Information source for: SMS procedures

Activity: Perform SMS loading

External environment: N/A

Aids: None

Product of previous task: (External profile type munitions loaded on aircraft)

Initiation cues: If PRGM loaded values are desired to be reset to canned valves
Systems presenting cues: SMS

STANDARD:

Authority: -34

Performance precision: Accurately IAW procedures

Computational accuracy: N/A
TASK NO.: 1.2.1.7.2.3

BEHAVIOR: Perform air-to-surface attack modification (profile munitions)

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -34 checklist
Information source for: Procedures

Activity: Perform SMS set up

External environment: N/A

Aids: None

Product of previous task: (Profile type external stores loaded in SMS)

Initiation cues: When external ordnance aboard
Systems presenting cues: SMS

STANDARD:

Authority: -34 (See discussion beginning p. 67 draft -34)

Performance precision: Accurately IAW procedures

Computational accuracy: N/A
TASK NO.: 1.2.1.7.2.3.1

BEHAVIOR: Perform delivery mode modification

CONDITION:

Agency: None
   Information source for: N/A

Manuals and pubs: -34 checklist
   Information source for: Procedures

Activity: Perform air-to-surface attack modification (profile munitions)

External environment: N/A

Aids: None

Product of previous task: Perform air-to-surface attack modification (profile munitions)

Initiation cues: When profile delivery mode displayed is to be changed
   Systems presenting cues: SMS

STANDARD:

Authority: -34

Performance precision: Accurately IAW procedures

Computational accuracy: N/A
TASK NO.: 1.2.1.7.2.3.2

BEHAVIOR: Perform release option modification

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: -34 checklist

Information source for: Procedures

Activity: Perform air-to-surface attack modification (profile munitions)

External environment: N/A

Aids: None

Product of previous task: Perform air-to-surface attack modification (profile munitions)

Initiation cues: When release option displayed to be changed

Systems presenting cues: SMS

STANDARD:

Authority: -34

Performance precision: Accurately IAW procedures

Computational accuracy: N/A
TASK NO.: 1.2.1.7.2.3.3

BEHAVIOR: Perform impact separation modification

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -34 checklist
Information source for: Procedures

Activity: Perform air-to-surface attack modification (profile munitions)

External environment: N/A

Aids: None

Product of previous task: Perform air-to-surface attack modification (profile munitions)

Initiation cues: When impact separation displayed to be changed
Systems presenting cues: SMS

STANDARD:

Authority: -34

Performance precision: Accurately IAW procedures

Computational accuracy: N/A
TASK NO.: 1.2.1.7.2.3.4

BEHAVIOR: Perform arming option modification

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -34 checklist
Information source for: Procedures

Activity: Perform air-to-surface attack modification (profile munitions)

External environment: N/A

Aids: None

Product of previous task: Perform air-to-surface attack modification (profile munitions)

Initiation cues: When arming option displayed to be changed
Systems presenting cues: SMS

STANDARD:

Authority: -34

Performance precision: Accurately IAW procedures

Computational accuracy: N/A
TASK NO.: 1.2.1.7.2.3.5

BEHAVIOR: Perform number of releases modification

CONDITION:

Agency: None
  Information source for: N/A

Manuals and pubs: -34
  Information source for: Procedures

Activity: Perform air-to-surface attack modification (profile munitions)

External environment: N/A

Aids: None

Product of previous task: Perform air-to-surface attack modification (profile munitions)

Initiation cues: When number of releases displayed to be changed
  Systems presenting cues: SNS

STANDARD:

Authority: -34

Performance precision: Accurately IAW procedures

Computational accuracy: N/A
TASK NO.: 1.2.1.7.2.3.6

BEHAVIOR: Perform preselection of weapon - Air-to-Surface mode

CONDITION:

Agency: None
    Information source for: N/A

Manuals and pubs: -34
    Information source for: Procedures

Activity: Perform air-to-surface attack modification (profile munitions)

External environment: N/A

Aids: None

Product of previous task: Perform air-to-surface attack modification (profile munition)

Initiation cues: If desired munition not in correct sequence
    Systems presenting cues: SMS

STANDARD:

Authority: GA Phase Manual (to be incorporated)

Performance precision: Accurately IAW procedures

Computational accuracy: N/A
TASK NO.: 1.2.1.7.3

BEHAVIOR: Perform FCNP setup

CONDITION:

Agency:
  Information source for:

Manuals and pubs:
  Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:
  Systems presenting cues:

STANDARD:

Authority:

Performance precision:

Computational accuracy:
TASK NO.: 1.2.1.7.3.1

BEHAVIOR: Perform normal INS (gyrocompass) alignment

CONDITION:

Agency:
  Information source for:

Manuals and pubs:
  Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:
  Systems presenting cues:

STANDARD:

Authority:

Performance precision:

Computational accuracy:
TASK NO.: 1.2.1.7.3.1.1

BEHAVIOR: Enter present position on FCNP

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: -34, -1 checklist

Information source for: Required steps

Activity: Perform normal INU alignment

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Incorrect present position

Systems presenting cues: FCNP

STANDARD:

Authority: -34

Performance precision: 100% accuracy

Computational accuracy: N/A
TASK NO.: 1.2.1.7.3.1.2

BEHAVIOR: Enter manual magnetic variation on FCNP

CONDITION:

Agency: None
  Information source for: N/A

Manuals and pubs: -34
  Information source for: Required steps

Activity: Perform normal INU alignment

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Automatic MAG VAR incorrect
  Systems presenting cues: FCNP

STANDARD:

Authority: -34

Performance precision: 100% accuracy

Computational accuracy: N/A
TASK NO.: 1.2.1.7.3.1.3

BEHAVIOR: Monitor alignment status on FCNP

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -34
Information source for: Required steps

Activity: Perform normal INU alignment

External environment: N/A

Aids: None

Product of previous task: Enter present position on FCNP

Initiation cues: During alignment
Systems presenting cues: FCNP

STANDARD:

Authority: -34

Performance precision: 100% accuracy

Computational accuracy: N/A
TASK NO.: 1.2.1.7.3.2

BEHAVIOR: Perform a stored heading alignment

---------------------------------------------------------------------

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -34, -1 checklist
Information source for: Required steps

Activity: Perform FCNP setup

External environment: N/A

Aids: None

Product of previous task: Perform INU alignment

Initiation cues: For scramble takeoff
Systems presenting cues: N/A

---------------------------------------------------------------------

STANDARD:

Authority: -34

Performance precision: 100% accuracy

Computational accuracy: N/A
TASK NO.: 1.2.1.7.3.3

BEHAVIOR: Perform a Best Available True Heading (BATH) alignment

CONDITION:
Agency: None
Information source for: n/a
Manuals and pub: -34, -1 checklist
Information source for: Required steps
Activity: Perform fcnp setup
External environment: N/A.
Aids: None
Product of previous task: None
Initiation cues: TBD
Systems presenting cues: N/A

STANDARD:
Authority: -34
Performance precision: 100% accuracy
Computational accuracy: N/A
TASK NO.: 1.2.1.7.3.4

BEHAVIOR: Enter destination data

---------------------------------------------------------------

CONDITION:

Agency: Information source for:

Manuals and pubs: Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues: Systems presenting cues:

---------------------------------------------------------------

STANDARD:

Authority:

Performance precision:

Computational accuracy:
TASK NO.: 1.2.1.7.3.4.1

BEHAVIOR: Enter destination coordinates

CONDITION:

Agency: None
  Information source for: N/A

Manuals and pubs: -34, -1 checklist
  Information source for: Required steps

Activity: Enter destination data

External environment: N/A

Aids: Inflight guide, map, FLIP

Product of previous task: None

Initiation cues: During alignment
  Systems presenting cues: FCNP

STANDARD:

Authority: -34

Performance precision: 100% accuracy

Computational accuracy: N/A
TASK NO.: 1.2.1.7.3.4.2

BEHAVIOR: Enter destination elevation

CONDITION:

Agency: None
  Information source for: N/A

Manuals and pubs: -34
  Information source for: Required steps

Activity: Enter Destination data

External environment: N/A

Aids: Inflight guide map, FLIP

Product of previous task: Enter destination coordinates

Initiation cues: None
  Systems presenting cues: N/A

STANDARD:

Authority: -34

Performance precision: 100% accuracy

Computational accuracy: N/A
TASK NO.: 1.2.1.7.3.4.3

BEHAVIOR: Enter offset aimpoint data

CONDITION:

Agency: None
  Information source for: N/A

Manuals and pubs: -34
  Information source for: Required steps

Activity: Enter destination data

External environment: N/A

Aids: Inflight guide, map

Product of previous task: Enter destination coordinates

Initiation cues: None
  Systems presenting cues: N/A

STANDARD:

Authority: -34

Performance precision: 100% accuracy

Computational accuracy: N/A
TASK NO.: 1.2.1.7.3.5

BEHAVIOR: Perform computer time select

CONDITION:

Agency: None
Information source for: N/A

Manuscripts and pubs: -1 checklist
Information source for: Procedures

Activity: Perform FCNP setup

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Before takeoff
Systems presenting cues: N/A

STANDARD:

Authority: -1

Performance precision: Accurately IAW -1 procedures

Computational accuracy: N/A
TASK NO.: 1.2.1.7.3.6

BEHAVIOR: Perform cursor zero

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -1 checklist
Information source for: Procedures

Activity: Perform FCNP set up

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Before takeoff
Systems presenting cues: N/A

STANDARD:

Authority: -1

Performance precision: Accurately IAW -1 procedures

Computational accuracy: N/A
TASK NO.: 1.2.1.7.3.7

BEHAVIOR: Perform D-value altitude calibration

-------------------------------------

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -34, -1 checklist
Information source for: Required steps

Activity: Perform FCNP setup

External environment: N/A

Aids: None

Product of previous task: Perform INU alignment

Initiation cues: Before takeoff
Systems presenting cues: N/A

-------------------------------------

STANDARD:

Authority: -34

Performance precision: 100% accuracy

Computational accuracy: N/A
TASK NO.: 1.2.1.7.3.8

BEHAVIOR: Perform maintenance fault list (MFL) clearing

CONDITION:

Agency: None
  Information source for: N/A

Manuals and pubs: -1 checklist
  Information source for: Required steps

Activity: Perform FCNP setup

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Before taxi
  Systems presenting cues: N/A

STANDARD:

Authority: -1

Performance precision: Accurately IAW -1 procedures

Computational accuracy: N/A
TASK NO.: 1.2.1.7.3.9

BEHAVIOR: Enter beacon data using FCNP

CONDITION:

Agency: OPS
Information source for: Appropriate beacon data

Manuals and pubs: -34 checklist
Information source for: Procedures

Activity: Perform FCNP setup

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: If beacon mode to be used
Systems presenting cues: N/A

STANDARD:

Authority: -34

Performance precision: IAW -34 procedures

Computational accuracy: N/A
TASK NO.: 1.2.1.7.3.10

BEHAVIOR: Enter TISL code using FCNP

CONDITION:

Agency: Operations
   Information source for: TISL code

Manuals and pubs: -34 checklist
   Information source for: Procedures

Activity: Perform FCNP set up

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: When TISL to be used
   Systems presenting cues:

STANDARD:

Authority: -34

Performance precision: Accurately IAW procedures

Computational accuracy: N/A
TASK NO.: 1.2.1.7.3.11.1

BEHAVIOR: Enter bingo fuel on FCNP

CONDITION:

Agency: None
  Information source for: N/A

Manuals and pubs: -34
  Information source for: Required steps

Activity: Perform energy management set up

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Before taxi
  Systems presenting cues: N/A

STANDARD:

Authority: -34

Performance precision: 100% accuracy

Computational accuracy: N/A
TASK NO.: 1.2.1.7.3.11.2

BEHAVIOR: Enter home steerpoint

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -34
Information source for: Required steps

Activity: Perform energy management set up

External environment: N/A

Aids: None

Product of previous task: Perform SMS store loading verification

Initiation cues: After SMS verification
Systems presenting cues: N/A

STANDARD:

Authority: -34

Performance precision: 100% accuracy

Computational accuracy: N/A
TASK NO.: 1.2.1.7.3.12

BEHAVIOR: Check OFFP

CONDITION:

Agency: None
  Information source for: N/A

Manuals and pubs: -34
  Information source for: Required steps

Activity: Perform FCNP set up

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Before taxi
  Systems presenting cues: N/A

STANDARD:

Authority: -34

Performance precision: 100% accuracy

Computational accuracy: N/A
TASK NO.: 1.2.1.7.4

BEHAVIOR: Perform REO setup

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -1
Information source for: Required steps

Activity: Perform after engine start check

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Before takeoff
Systems presenting cues: N/A

STANDARD:

Authority: -1 for procedures/flight lead direction for configuration

Performance precision: Accurately IAW -1 procedures and flight lead direction

Computational accuracy: N/A
TASK NO.: 1.2.1.7.5

BEHAVIOR: Perform HUD setup

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -1
Information source for: Required checks

Activity: Perform after engine start checks

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Before takeoff
Systems presenting cues: N/A

STANDARD:

Authority: -1

Performance precision: 100% accuracy

Computational accuracy: N/A
TASK NO.: 1.2.1.7.6

BEHAVIOR: Perform threat warning system check

CONDITION:

Agency: None
  Information source for: N/A

Manuals and pubs: -1 checklist
  Information source for: Procedures

Activity: Perform after engine start checks

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Before takeoff
  Systems presenting cues: N/A

STANDARD:

Authority: -1 and classified

Performance precision: Accurately IAW procedures

Computational accuracy: N/A
TASK NO.: 1.2.1.7.7

BEHAVIOR: Perform ECM equipment checks (if applicable)

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -34 and classified 34
Information source for: Procedures

Activity: Perform after engine start checks

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Before takeoff
Systems presenting cues: N/A

STANDARD:

Authority: -34 and classified

Performance precision: Accurately IAW procedures

Computational accuracy: N/A
TASK NO.: 1.2.1.7.8

BEHAVIOR: Perform secure voice check

CONDITION:

Agency:
   Information source for:

Manuals and pubs:
   Information source for:

Activity: Perform after engine start checks

External environment:

Aids:

Product of previous task:

Initiation cues:
   Systems presenting cues:

STANDARD:

Authority:

Performance precision:

Computational accuracy:
TASK NO.: 1.2.1.7.9

BEHAVIOR: Perform BIT checks via FCNP.

CONDITION:

Agency:
   Information source for:

Manuals and pubs:
   Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:
   Systems presenting cues:

STANDARD:

Authority:

Performance precision:

Computational accuracy:
TASK NO.: 1.2.1.8

BEHAVIOR: Perform before taxi checks

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -1 checklist
Information source for: Procedures.

Activity: Perform normal pretakeoff

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Upon completion of after start engine checks
Systems presenting cues: N/A

STANDARD:

Authority: -1

Performance precision: Accurately IAW procedures

Computational accuracy: N/A
TASK NO.: 1.2.1.9.1

BEHAVIOR: Perform taxi checks

CONDITION:

Agency: None
  Information source for: N/A

Manuals and pubs: -1 checklist
  Information source for: Required checks

Activity: Perform taxi

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Upon completion of before taxi procedures
  Systems presenting cues: N/A

STANDARD:

Authority: -1

Performance precision: Accurately IAW procedures

Computational accuracy: N/A
TASK NO.: 1.2.1.9.2

BEHAVIOR: Perform single-ship taxi

---------------------------------
CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: None
Information source for: N/A

Activity: Perform taxi

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: After before taxi/taxi checks complete
Systems presenting cues: N/A

---------------------------------
STANDARD:

Authority: 55-16

Performance precision: IAW procedures; smoothly IAW IP judgment

Computational accuracy: N/A
TASK NO.: 1.2.1.9.3

BEHAVIOR: Perform formation taxi

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: None
Information source for: N/A

Activity: Perform taxi

External environment: N/A

Aids: None

Product of previous task: N/A

Initiation cues: After before taxi/taxi checks complete
Systems presenting cues: N/A

STANDARD:

Authority: 55-16

Performance precision: IAW procedures; smoothly IAW IP judgment

Computational accuracy: N/A
TASK NO.: 1.2.1.10

BEHAVIOR: Accomplish maintenance arming procedures/maintenance checks

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: None
Information source for: N/A

Activity: Perform normal pretakeoff

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: On reaching arming/quick check area
Systems presenting cues: N/A

STANDARD:

Authority: 55-16

Performance precision: IAW procedures in 55-16

Computational accuracy: N/A
TASK NO.: 1.2.1.11

BEHAVIOR: Perform before takeoff checks

-----------------------------------------------

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -1 checklist
Information source for: Procedures

Activity: Perform normal pretakeoff

External environment: N/A

Aids: None

Product of previous task: N/A

Initiation cues: After maintenance/arming checks completed
Systems presenting cues: N/A

-----------------------------------------------

STANDARD:

Authority: -1

Performance precision: Accurately IAW procedures

Computational accuracy: N/A
TASK NO.: 1.2.1.13.1

BEHAVIOR: Perform lineup checks for single ship takeoff

CONDITION:

Agency:
  Information source for:

Manuals and pubs:
  Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:
  Systems presenting cues:

STANDARD:

Authority:

Performance precision:

Computational accuracy:
TASK NO.: 1.2.1.13.2

BEHAVIOR: Perform lineup checks for formation takeoff

CONDITION:

Agency:
  Information source for:

Manuals and pubs:
  Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:
  Systems presenting cues:

STANDARD:

Authority:

Performance precision:

Computational accuracy:
TASK NO.: 1.2.2

BEHAVIOR: Perform night ground operations

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -1 checklist
Information source for: Normal procedures

Activity: Perform pretakeoff procedures

External environment: After official sunset

Aids: None

Product of previous task: None

Initiation cues: Flight leader direction/after official sunset
Systems presenting cues: N/A

STANDARD:

Authority: 55-16

Performance precision: Accurately IAW procedures

Computational accuracy: N/A
TASK NO.: 1.2.3

BEHAVIOR: Perform adverse weather pretakeoff procedures

CONDITION:

Agency:
    Information source for:

Manuals and pubs:
    Information source for:

Activity: Perform pretakeoff procedures

External environment:

Aids:

Product of previous task:

Initiation cues:
    Systems presenting cues:

STANDARD:

Authority:

Performance precision:

Computational accuracy:
TASK NO.: 1.2.4

BEHAVIOR: Perform scramble pretakeoff procedures

CONDITION:

Agency:
  Information source for:

Manuals and pubs:
  Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:
  Systems presenting cues:

STANDARD:

Authority:

Performance precision:

Computational accuracy:
TASK NO.: 1.2.4.1

BEHAVIOR: Perform scramble preflight checks (cock aircraft for alert)

CONDITION:

Agency: OPS
  Information source for: Local alert cocking procedures

Manuals and pubs: -1 checklist
  Information source for: Procedures

Activity: Perform scramble pretakeoff procedures

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: When directed
  Systems presenting cues: N/A

STANDARD:

Authority: -1 and local directives

Performance precision: Accurately IAW procedures

Computational accuracy: N/A
TASK NO.: 1.2.4.2

BEHAVIOR: Perform scramble launch (aircraft on alert) procedures

condition:

Agency: OPS
Information source for: Scramble launch order

Manuals and pubs: -1 checklist
Information source for: Procedures

Activity: Perform scramble pretakeoff procedures

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: On launch
Systems presenting cues: N/A

standard:

Authority: -1 and local OPS procedures/directives

Performance precision: Accurately IAW procedures and directives

Computational accuracy: N/A
TASK NO.: 1.2.4.3

BEHAVIOR: Perform scramble taxi

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -1 checklist
Information source for: Scramble launch procedures

Activity: Perform scramble pretakeoff procedures

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Upon completion of before taxiing check in scramble checklist

Systems presenting cues: N/A
previous task:

Initiation cues:
    Systems presenting cues:

---------------------------------------------
STANDARD:

Authority:

Performance precision:

Computational accuracy:
TASK NO.: 1.2.5.1.3.1

BEHAVIOR: Inspect MAU-12 C/A rack (nuclear)

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -25 checklist
Information source for: Procedures

Activity: Perform exterior inspection munitions (nuclear)

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Upon completion of aircraft exterior inspection
Systems presenting cues: N/A

STANDARD:

Authority: -25

Performance precision: Accurately IAW procedures

Computational accuracy: N/A
TASK NO.: 1.2.5.1.3.2.1

BEHAVIOR: Inspect B43 bomb (nuclear)

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -25 checklist
Information source for: Procedures

Activity: Inspect weapons (nuclear)
External environment: N/A
Aids: None

Product of previous task: None
Initiation cues: Preflight when B43 loaded
Systems presenting cues: N/A

STANDARD:

Authority: -25
Performance precision: Accurately IAW procedures
Computational accuracy: N/A
TASK NO.: 1.2.5.1.3.2.2

BEHAVIOR: Inspect B57 bomb (nuclear)

-----------------------------------------------

CONDITION:

Agency: None
  Information source for: N/A

Manuals and pubs: -25 checklist
  Information source for: Procedures

Activity: Inspect weapons (nuclear)

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Preflight when B57 loaded
  Systems presenting cues: N/A

-----------------------------------------------

STANDARD:

Authority: -25

Performance precision: Accurately IAW procedures

Computational accuracy: N/A
TASK NO.: 1.2.5.1.3.2.3

BEHAVIOR: Inspect B61 bomb (nuclear)

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -25 checklist
Information source for: Procedures

Activity: Inspect weapons (nuclear)

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Preflight when B61 loaded
Systems presenting cues: N/A

STANDARD:

Authority: -25

Performance precision: Accurately IAW procedures

Computational accuracy: N/A
TASK NO.: 1.2.5.1.4

BEHAVIOR: Perform interior inspection (power off) - nuclear

---------------------------------------------------------------
CONDITION:

Agency: OPS
Information source for: Chaff/flare programmer setting
  recommendations

Manuals and pubs: -25 checklist
  Information source for: Procedures

Activity: Perform preflight procedures - nuclear

External environment: N/A

Aids: Non

Product of previous task: None

Initiation cues: When exterior inspection - aircraft (nuclear)
  completed
  Systems presenting cues: N/A

---------------------------------------------------------------
STANDARD:

Authority: -25

Performance precision: Accurately

Computational accuracy: N/A
TASK NO.: 1.2.5.1.5

BEHAVIOR: Perform interior inspection (power on) - nuclear

CONDITION:

Agency: None
  Information source for: N/A

Manuals and pubs: -25 checklist
  Information source for: Procedures

Activity: Perform preflight procedures - nuclear

External environment: N/A

Aids: None

Product of previous task: N/A

Initiation cues: Upon completion of exterior inspection and interior power off inspection
  Systems presenting cues: N/A

STANDARD:

Authority: -25

Performance precision: Accurately IAW procedures

Computational accuracy: N/A
TASK NO.: 1.2.5.1.5.1

BEHAVIOR: Perform NUC loading

CONNECTION:

Agency: None
Information source for: N/A

Manuals and pubs: -25 checklist
Information source for: Procedures

Activity: Perform interior inspection (power on) nuclear

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: If SMS not loaded with NUC stores or data incorrect
Systems presenting cues: SMS

STANDARD:

Authority: -25

Performance precision: Accurately IAW procedures

Computational accuracy: N/A
TASK NO.: 1.2.5.2

BEHAVIOR: Perform ground alert procedures (nuclear)

CONDITION:

Agency: Ops
   Information source for: Local procedures

Manuals and pubs: -25
   Information source for: general guidance/directives

Activity: Perform nuclear alert procedures

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: When directed
   Systems presenting cues: N/A

STANDARD:

Authority: -25 and AFR 122-4

Performance precision: IAW directives

Computational accuracy: N/A
TASK NO.: 1.2.5.3

BEHAVIOR: Perform launch procedures (nuclear)

---------------------------------------------------------------

CONDITION:

Agency: Ops
  Information source for: Local, command and higher headquarters directives

Manuals and pubs: -25 checklist
  Information source for: Procedures

Activity: Perform nuclear strike/alert procedures

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Upon receipt of authenticated launch orders
  Systems presenting cues: N/A

---------------------------------------------------------------

STANDARD:

Authority: -25

Performance precision: Accurately IAW procedures and directives

Computational accuracy: N/A
TASK NO.: 1.2.6

BEHAVIOR: Perform pretakeoff emergency procedures

CONDITION:

Agency:
  Information source for:

Manuals and pubs:
  Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:
  Systems presenting cues:

STANDARD:

Authority:

Performance precision:

Computational accuracy:
TASK NO.: 1.2.6.1

BEHAVIOR: Perform engine-starting emergency procedures

CONDITION:

Agency:
	Information source for:

Manuals and pubs:
	Information source for:

Activity:

External environment:

Aids:

Product of previous task:

Initiation cues:
	Systems presenting cues:

STANDARD:

Authority:

Performance precision:

Computational accuracy:
TASK NO.: 1.2.6.1.1

BEHAVIOR: Accomplish emergency engine shutdown on ground

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -1 checklist
Information source for: Start emergency procedures

Activity: Perform engine starting emergency procedures

External environment: N/A

Aids: None

Product of previous task: N/A

Initiation cues: Fire warning/overheat caution light or taxi mishaps
Systems presenting cues: N/A

STANDARD:

Authority: Transition Phase Manual discussion

Performance precision: Accurately IAW procedures

Computational accuracy: N/A
TASK NO.: 1.2.6.1.2

BEHAVIOR: Respond to JFS malfunction (no JFS RUN light)

---------------------------------------------------------------

CONDITION:

Agency: Ops
Information source for: Local procedures

Manuals and pubs: -1 checklist
Information source for: Required checks

Activity: Perform engine starting emergency procedures

External environment: N/A

Aids: None

Product of previous task:

Initiation cues: No JFS RUN light
Systems presenting cues: Engine; warning, caution, and indicator lights

---------------------------------------------------------------

STANDARD:

Authority: Transition phase manual

Performance precision: 100% accuracy

Computational accuracy: N/A
TASK NO.: 1.2.6.1.3

BEHAVIOR: Respond to JFS RUN light not going out

--------------------------------------------

CONDITION:

Agency: None
  Information source for: N/A

Manuals and pubs: -1 checklist
  Information source for: Required checks

Activity: Perform engine starting emergency procedures

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: JFS RUN light remains on at idle
  Systems presenting cues: Engine; warning, caution, and indicator lights

--------------------------------------------

STANDARD:

Authority: -1

Performance precision: Accurately IAW procedures

Computational accuracy: N/A
TASK NO.: 1.2.6.1.4

BEHAVIOR: Identify and respond to engine start overtemp

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -1 checklist
Information source for: Required checks

Activity: Perform engine starting emergency procedures

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: FTIT rising rapidly past 580° C
Systems presenting cues: Engine

STANDARD:

Authority: -1 and IP judgment

Performance precision: Accurately IAW -1 procedures; timely IAW IP judgment

Computational accuracy: N/A
 TASK NO.: 1.2.6.1.5

BEHAVIOR: Identify and respond to engine/JFS fire/overheat on start

-----------------------------------------------

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -1 checklist
Information source for: Required checks

Activity: Perform engine starting emergency procedures

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Sound, vibration, flames, smoke, signal from crew chief or radio call, illumination of OVERHEAT or ENGINE FIRE warning light, PTIT out of limits
Systems presenting cues: Communications, engine; warning, caution, and indicator lights

-----------------------------------------------

STANDARD:

Authority: -1 and IP

Performance precision: Accurately IAW -1 procedures; timely IAW IP judgment

Computational accuracy: N/A
TASK NO.: 1.2.6.2.1

BEHAVIOR: Perform emergency ground egress

---------------------------

CONDITION:

Agency: None
  Information source for: N/A
Manuals and pubs: -1 checklist
  Information source for: Procedures
Activity: Perform ground emergency procedures
External environment: N/A
Aids: None
Product of previous task: None
Initiation cues: Emergency requiring immediate ground egress
  Systems presenting cues: N/A
---------------------------

STANDARD:

Authority: -1 and IP
Performance precision: Accurately IAW -1 and safely IAW IP judgment
Computational accuracy: N/A
TASK NO.: 1.2.6.2.2

BEHAVIOR: Perform emergency ground entrance

CONDITION:

Agency:
  Information source for:

Manuals and pubs:
  Information source for:

Activity: Perform ground emergency procedures

External environment:

Aids:

Product of previous task:

Initiation cues:
  Systems presenting cues:

STANDARD:

Authority:

Performance precision:

Computational accuracy: N/A
TASK NO.: 1.2.6.2.3

BEHAVIOR: Perform emergency ground jettison

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: -1 checklist
Information source for: Required checks

Activity: Perform ground emergency procedures

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: Ground jettison required (e.g., stores on fire, power loss on takeoff, etc.)
Systems presenting cues: N/A

STANDARD:

Authority: -1 and IP

Performance precision: Accurately IAW -1 and timely IAW IP judgment

Computational accuracy: N/A
TASK NO.: 1.2.6.2.4

BEHAVIOR: Identify and respond to brake failure while taxiing

-----------------------------------------------

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: -1 checklist

Information source for: Procedures

Activity: Perform ground emergency procedures

External environment: N/A

Aids: None

Product of previous task: None


Systems presenting cues: Warning, caution, and indicator lights, wheel brake, hydraulic power supply

-----------------------------------------------

STANDARD:

Authority: -1 and instructor

Performance precision: Accurately IAW -1 procedures; timely IAW IP judgment

Computational accuracy: N/A
TASK NO.: 1.2.6.2.5

BEHAVIOR: Identify and respond to nosewheel steering failure

CONDITION:

Agency: None

Information source for: N/A

Manuals and pubs: -1 checklist

Information source for: Procedures

Activity: Perform ground emergency procedures

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: 1. NWS caution light illuminates; 2. NWS ENGAGE light goes out/fails to illuminate when NWS is commanded

Systems presenting cues: NWS

STANDARD:

Authority: -1 and IP

Performance precision: Accurately IAW -1 procedures and timely IAW IP judgment

Computational accuracy: N/A
TASK NO.: 1.2.6.2.6

BEHAVIOR: Identify and respond to electrical malfunction on ground

CONDITION:

Agency: None
Information source for: N/A

Manuals and pubs: None
Information source for: N/A

Activity: Perform ground emergency procedures

External environment: N/A

Aids: None

Product of previous task: N/A

Initiation cues: Master caution, ELEC SYS and GEN FAIL caution lights illuminate
Systems presenting cues: Electrical

STANDARD:

Authority: CRO steps below as contained in discussion in transition phase manual

Performance precision: Accurately IAW steps

Computational accuracy: N/A
TASK NO.: 1.2.6.2.7

BEHAVIOR: Identify and respond to hydraulic system failure on ground

CONDITION:

Agency: None
  Information source for: N/A

Manuals and pubs: None
  Information source for: N/A

Activity: Perform ground emergency procedures

External environment: N/A

Aids: None

Product of previous task: None

Initiation cues: HYD/OIL PRESS warning light illumination
  Systems presenting cues: Hydraulic power supply

STANDARD:

Authority: Steps as contained below and incorporated into Transition Phase Manual

Performance precision: Accurately IAW steps

Computational accuracy: N/A
Perform all F-16 missions (Page: 1)

Perform takeoff procedures

1.2

- Perform normal takeoff procedures (Page: 152)
  1.2.1
- Perform night ground operations
  1.2.2
- Perform adverse weather pretakeoff procedures (Page: 257)
  1.2.3
- Perform scramble pretakeoff procedures (C)
  (Page: 258)
  1.2.4

- Perform nuclear strike/alert pretakeoff procedures (C)
  (Page: 262)
  1.2.5
- Perform pretakeoff emergency procedures (Page: 274)
  1.2.6
Perform takeoff procedures (Page:151)

Perform normal takeoff procedures

Prepare/check personal equipment (Page:154)

Perform preflight checks (Page:155)

Perform cockpit ingress, including strap-in (Page:156)

Perform cockpit interior check (power off) (Page:157)

Perform before starting engine check (Page:158)

Perform JFS/engine start (Page:159)

Perform after engine start checks (Page:160)

Perform before taxi checks (Page:161)

Continued on page: 153
Continued from page 152

Perform takeoff procedures (Page: 151)

Perform normal takeoff procedures

Perform taxi (Page: 244)
Accomplish maintenance using procedures/maintenance checks (Page: 251)

Perform before takeoff checks (Page: 252)

Take active runway (Page: 253)

Perform lineup checks (Page: 254)

1.2.1.9
1.2.1.10
1.2.1.11
1.2.1.12
1.2.1.13
Perform normal takeoff procedures (Page:152)

Prepare/check personal equipment

Given personal equipment, identify unacceptable conditions and determine appropriate action in accordance with regulations
Perform normal takeoff procedures (Page: 152)

Perform preflight checks

1.2.1.2

Check AFTO Form 781 (E)

Perform exterior inspection-aircraft (Page: 156)

Perform exterior inspection-munitions (conventional) (Page: 157)

Inspect ALAI pod (7)

Perform before entering cockpit checks (Page: 179)
Perform preflight checks (Page:155)

Perform exterior inspection—aircraft

Match exterior A/C inspection checklist items with their associated notes, warnings, cautions, limits, tolerances and critical values without error.
Describe the procedure for performing exterior conventional munitions inspections using -34 checklist and note the considerations of most importance with no omissions.
Perform exterior inspection-suitions (conventional)

Inspect M61A1 gun

Match gun checklist items with their associated notes, warnings, cautions, tolerances, limits, and critical values without error.
Perform exterior inspection—munitions (conventional) (Page: 157)

1.2.1.2.3

Inspect chaff/flare dispenser

1.2.1.2.3.2

Match chaff/flare dispenser checklist items with their associated notes, warnings, cautions, tolerances, limits, and critical values without error.

1.2.1.2.3.3.1
Perform exterior inspection - munitions (conventional) (Page: 157)

Inspect suspension equipment

Inspect wing and centerline pylons (Page: 161)

Inspect BRU-31/A bomb rack unit (Page: 162)
Inspect suspension equipment (Page: 160)

1.2.1.2.3.2

Inspect wing and centerline pylons

1.2.1.2.3.3.1

Match wing and centerline pylon checklist items with their associated notes, warnings, cautions, tolerances, limits, and critical values without error.

1.2.1.2.3.3.1.1
Pace: 16

3.1 Match Site-3/A

3.1.1.2.1 Rack unit.

Inspect Site-3/A rack unit.

Match Site-3/A checklist items with warnings, cautions, tolerances, limits, and critical values without error.
Perform exterior inspection munitions (conventional) (Page 157)

1.2.1.2.3

Inspect weapons
1.2.1.2.3.4

- Inspect AIM-9J missile and launcher (Page 165)
  1.2.1.2.3.4.1

- Inspect AIM-9L missile and launcher (Page 166)
  1.2.1.2.3.4.2

- Inspect MK 82 and MK 84 low drag general purpose bombs (Page 167)
  1.2.1.2.3.4.3

- Inspect MK 82 (Snakeye I) and MK 36 high drag bombs (C) (Page 168)
  1.2.1.2.3.4.4

- Inspect GBU-6/B EG guided bomb (C) (Page 169)
  1.2.1.2.3.4.5

- Inspect GBU-10/B, GBU-10A/B laser guided bombs (C) (Page 170)
  1.2.1.2.3.4.6

- Inspect CBU-52/B and CBU-71/B dispensers and bombs (C) (Page 171)
  1.2.1.2.3.4.7

- Inspect MK 20 MDD 4 antitank cluster bomb (C) (Page 172)
  1.2.1.2.3.4.8
Perform exterior inspection—munitions (conventional) (Page: 157)

Inspect weapons

Inspect BLU-27/B fire bomb (C) (Page: 173)
Inspect SUU-25C/A flare dispenser (Page: 174)
Inspect LAU-3/A rocket launcher (C) (Page: 175)
Inspect AGM-65A/B air-to-ground guided missile (C) (Page: 176)

Inspect SUU-20B/A bomb and rocket training dispenser (T) (Page: 177)
Inspect BDU-33B/B practice bomb on BRU-31/A or TER-9A bomb rack (T) (Page: 178)
Inspect weapons (Page 165)

1.1.2.3.4

Inspect AIM-9J missile and launcher

1.2.1.2.3.4.1

Match AIM-9J missile and launcher checklist items with their associated notes, warnings, cautions, tolerances, limits, and critical values.

1.2.1.2.3.4.1.1
Inspect weapons
(Pages 163)

1.2.1.2.3.4

Inspect AIM-9L missile and launcher

1.2.1.2.3.4.2.1

Match AIM-9L missile and launcher checklist items with their associated notes, warnings, cautions, tolerances, limits, and critical values without error.

1.2.1.2.3.4.2.1
Inspect weapons
(Page:163)
1.2.1.2.3.4

Inspect MK 82 and MK 94
low drag general
purpose bombs
1.2.1.2.3.4.3

Match MK 82 and MK 84
LDGP bombs checklist
items with their
associated notes,
warnings, cautions,
tolerances, limits, and
critical values without
error.
1.2.1.2.3.4.3.1
Inspect weapons
(Page:163)

Inspect MK 82 (Snakeye I) and MK 36 high drag bombs (C)

Match MK 82 and MK 36 HDGP bombs checklist items with their associated notes, warnings, cautions, tolerances, limits, and critical values without error.
Inspect weapons
(Page:163)
1.2.1.2.3.4

Inspect GBU-8/B EO
guided bomb (C)
1.2.1.2.3.4.5

Match GBU-8/B checklist
items with their
associated notes,
warnings, cautions,
tolerances, limits, and
critical values without
error
1.2.1.2.3.4.5.1
Inspect weapons

1.2.1.2.3.4

Inspect GBU-10/E,
GBU-10A/B laser guided
bombs (C)

1.2.1.2.3.4.6

Match GBU-10/E,
GBU-10A/B checklist
items with their
associated notes,
warnings, cautions,
tolerances, limits, and
critical values without
error.

1.2.1.2.3.4.6.1
Inspect weapons
(Page:163)

Inspect CBU-58/B and
CBU-71/B dispensers and
bombs (C)

Match CBU-58/B, and
CBU-71/B checklist
items with their
associated notes,
warnings, cautions,
tolerances, limits and
critical values without
error.
Inspect weapons
(Page: 163)

1.2.1.2.3.4

Inspect MK 20 MOD 4
antitank cluster bomb
(C

1.2.1.2.3.4.8

Match MK 20 MOD 4
checklist items with
their associated notes,
warnings, cautions,
tolerances, limits, and
critical values without
error.

1.2.1.2.3.4.3.1
Inspect weapons
(Pager:163)

1.2.1.2.3.4

Inspect BLU-27/B fire bomb (C)

1.2.1.2.3.4.9

Match BLU-27/B checklist items with their associated notes, warnings, cautions, tolerances, limits, and critical values without error.

1.2.1.2.3.4.9.1
<table>
<thead>
<tr>
<th>Inspect weapons (Page:163)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.3.1.2.3.4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Inspect SUU-25C/A flare dispenser</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.3.1.2.3.4.10</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Match SUU-25C/A checklist items with their associated notes, warnings, cautions, tolerances, limits, and critical values without error.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.3.1.2.3.4.10.1</td>
</tr>
</tbody>
</table>
Inspect weapons (Page:163)

Inspect LAU-3A rocket launcher (C)

Match LAU-3A checklist items with their associated notes, warnings, cautions, tolerances, limits, and critical values without error.
Inspect weapons
(Page: 163)
1.2.1.2.3.4

Inspect AGM-65A,B
air-to-ground guided
missile (C)
1.2.1.2.3.4,12

Match AGM-65A,B
checklist items with
their associated notes,
warnings, cautions,
tolerances, limits and
critical values without
error.
1.2.1.2.3.4,12,1
Inspect weapons
(Page: 163)
1.2.1.2.3.4.

Inspect SUU-20B/A bomb and rocket training dispenser (T)
1.2.1.2.3.4.13

Match SUU-20B/A checklist items with their associated notes, warnings, cautions, tolerances, limits, and critical values without error.
1.2.1.2.3.4...
Inspect weapons
(Pages: 163)

1.2.1.2.3.4

Inspect BDU-33B/B practice bomb or BDU-31/A or TER-9A bomb rack (T)

1.2.1.2.3.4.14

Match BDU-33B/B checklist items with their associated notes, warnings, cautions, tolerances, limits, and critical values without error.

1.2.1.2.3.4.14.1
Perform preflight checks (Page:182)

Perform before entering cockpit checks

Given a suitable hands-on trainer, perform before entering cockpit checks. (Page:180)

Configure switches in back seat for solo flight (Page:182)

Inspect chaff/flare programmer and control panel (Page:183)
Perform before entering cockpit checks
(Page:179)

Given a suitable hands-on trainer, perform before entering cockpit checks.
1.2.1.2.5.1

Inspect ejection seat
(Page:181)

1.2.1.2.5.1.1
Given a suitable hands-on trainer, perform before entering cockpit checks.

(Page:160)

1.2.1.2.5.1

Inspect ejection seat

1.2.1.2.5.1.1

Match ejection seat inspection checklist items with their associated notes, warnings, cautions, tolerances, limits, and critical values without error.

1.2.1.2.5.1.1.1
Perform before entering cockpit checks (Page: 179)

Inspect chaff/flare programmer and control panel

Match chaff/flare programmer and control checklist items with their associated notes, warnings, cautions, tolerances, limits, and critical values without error.
Perform normal takeoff procedures (Page: 152)

1.2.1

Perform cockpit ingress, including strap-in

1.2.1.3

Describe the cockpit ingress procedure, including strap-in, with its associated notes, cautions, warnings, critical values, tolerances and limits.

1.2.1.3.1
Perform normal takeoff procedures (Page:152)

1.2.1

Perform cockpit interior check (power off)

1.2.1.4

Match cockpit interior checklist items with their associated notes, cautions, warnings, tolerances, limits and critical values without error.

1.2.1.4.1

Given a suitable hands-on trainer, perform cockpit interior check (power off) in a come out environment in the correct order without omissions.

1.2.1.4.2
Perform normal takeoff procedures (Page: 152)

Perform before starting engine check

Match before starting engine checklist items with their associated notes, cautions, warnings, tolerances, limits and critical values without error; after cockpit check is complete — verify.

Given a suitable hands-on trainer, perform before starting engine check in a cockpit environment in the correct order without omissions.
Perform normal takeoff procedures (Page: 152)

1.2.1

Perform JFS/engine start

1.2.1.6

- Perform normal engine start (Page: 188)
  1.2.1.6.1

- Identify and respond to premature JFS cutout (Page: 191)
  1.2.1.6.2

- Identify and respond to engine failure to start (Page: 192)
  1.2.1.6.3

- Identify and respond to hung start (Page: 193)
  1.2.1.6.4

- Identify and respond to hot start (Page: 194)
  1.2.1.6.5

- Perform external power start (Page: 195)
  1.2.1.6.6
Perform normal engine start

Describe the steps in the procedure for normal engine start in correct order with the associated notes, cautions, warnings, critical values, tolerances and limits with no

Given a suitable hands-on trainer, perform normal (JFS) engine start.
Perform normal engine start (Page:188)

1.2.1.6.1

Describe the steps in the procedure for normal engine start in correct order with the associated notes, cautions, warnings, critical values, tolerances and limits with no omissions.

1.2.1.6.1.1

System workbook--engine system. (Page:190)

1.2.1.6.1.1.1
Describe the steps in the procedure for normal engine start in correct order with the associated notes, cautions, warnings, critical values, tolerances and limits with no omissions.

(System workbook--engine system)

Describe the engine system in the F-16A and F-16B aircraft.

List with no omissions and describe without error the components and/or functions of the engine system, including as appropriate the sequence and modes of internal and external operation.

Given a photograph or drawing of the aircraft cockpit, locate and describe the function and manipulation of each control that directly affects the engine system, without error.

Given a photograph or drawing of the aircraft cockpit, locate and describe the interpretation of each indicator that monitors the engine system. Without error.

State the possible modes of engine system degradation, and describe their causes and consequences, without error.

List with no omissions and describe without error any features of the engine system in the F-16B that differ or are additional to those in the F-16A.
Perform JFS/engine start (Page 187)

1.2.1.6

Identify and respond to premature JFS cutout

1.2.1.6.2

- Given indications occurring during JFS cutout, identify the specific problem without error.

1.2.1.6.2.1

- State the steps in the corrective procedure for premature JFS cutout in correct order with no omissions.

1.2.1.6.2.2

- Given a suitable hands-on trainer, identify and respond to premature JFS cutout.

1.2.1.6.2.3
Perform JFS/engine start (Page:187)

1.2.1.6.4

Identify and respond to engine failure to start

1.2.1.6.3

Given indications occurring during engine failure to start, identify the specific problem without error.

1.2.1.6.3.1

State the steps in the corrective procedure for engine failure to start in correct order with no omissions.

1.2.1.6.3.2

Given a suitable hands-on trainer, identify and respond to engine failure to start.

1.2.1.6.3.3
Perform JFS/engine start (Page: 187)

1.2.1.6.4

Identify and respond to hung start

1.2.1.6.4

Given indications occurring during hung start, identify the specific problem without error.

1.2.1.6.4.1

State the steps in the corrective procedure for hung start in correct order with no omissions.

1.2.1.6.4.2

Given a suitable hands-on trainer, identify and respond to hung start.

1.2.1.6.4.3
Perform JFS/engine start (Page: 187)

1.2.1.6

Identify and respond to hot start

1.2.1.6.5

Given indications occurring during hot start, identify the specific problem without error.

1.2.1.6.5.1

State the steps in the corrective procedure for hot start in correct order without omissions.

1.2.1.6.5.2

Given a suitable hands-on trainer, identify and respond to hot start.

1.2.1.6.5.3
Perform external power start (Page: 167)

1.2.1.6.6

Describe the steps in the procedure for external power start in correct order with the associated notes, cautions, warnings, critical values, tolerances and limits with no omissions.

1.2.1.6.6.1

Given a suitable hands-on trainer, perform external power start.

1.2.1.6.6.2
Perform normal takeoff procedures (Page:192)

Perform after engine start checks

1.2.1.7

---

1.2.1.7.1

Perform FCS i-test (Page:198)

1.2.1.7.2

Perform SMS setup (Page:199)

1.2.1.7.3

Perform FCNP setup (Page:214)

1.2.1.7.4

Perform REG setup (Page:237)

---

1.2.1.7.5

Perform HUD setup (Page:238)

1.2.1.7.6

Perform threat warning system check (Page:239)

1.2.1.7.7

Perform ELM equipment checks (if applicable) (Page:240)

1.2.1.7.8

Perform secure voice check (C) (Page:241)
Continued from page 196

Perform normal takeoff procedures (Page: 152)

Perform after engine start checks

Perform BIT checks via FCONP (Page: 242)

Given a suitable hands-on trainer, perform after engine start checks

Match after engine start checklist items with their associated notes, cautions, warnings, tolerances, limits and critical values without error

1.2.1.7.9

1.2.1.7.10

1.2.1.7.11
Perform after engine start checks (Page: 196)

Perform FCS self-test

- Given the FCS self-test checklist table and a set of input indications, state correctly whether the test is proceeding normally.
- State the associated notes, cautions, warnings, critical values, tolerances and limits for FCS self-test procedure with no omissions.
- Given indication occurring during a FCS self-test, identify test failures without error.
- State the corrective procedure to be used following FCS self-test failure without error.
- Given a suitable hands-on trainer, perform FCS self-test.
Perform after engine start checks (Page:196)

Perform SMS setup

1.2.1.7.5

Perform SMS stores loading verification (SMS inventory) (Page:200)

1.2.1.7.2.1

Perform SMS loading (Page:201)

1.2.1.7.2.2

Perform air-to-surface attack modification (profile munitions) (Page:205)

1.2.1.7.2.3

Given a suitable hands-on trainer, perform SMS setup.

1.2.1.7.2.4

Describe the steps in SMS setup in correct order with no omissions. (Page:212)

1.2.1.7.2.5
Perform SMS setup  
(Page: 199)  
1.2.1.7.2

Perform SMS stores  
loading verification  
(SMS inventory)  
1.2.1.7.2.1

State the associated  
notes, cautions,  
warnings, critical  
values, tolerances and  
limits for SMS stores  
loading verification  
procedure with no  
omissions.  
1.2.1.7.2.1.1

Given SMS inventory  
data indicating an  
incorrect loading,  
select the procedure  
necessary to correct  
the loading without  
error.  
1.2.1.7.2.1.2
Perform SMS setup
(Page: 199)

Perform SMS loading

Perform CONV loading (Page: 202)

Perform RACK loading (Page: 203)

Perform PRGM loading (Page: 204)
Perform SMS loading
(Page: 201)
1.2.1.7.2.1

Perform CDU loading
1.2.1.7.2.2.1

State the associated notes, cautions, warnings, critical values, tolerances, and limits for conventional loading procedure with no omissions.
1.2.1.7.2.2.2.1
Perform SMS loading
(Proc: 201)

Perform RACK loading

State the associated notes, cautions, warnings, critical values, tolerances, and limits for RACK loading procedure with no omissions.
Perform SMS loading
(Page: 201)

1.2.1.7.2.2

Perform PRGM loading

1.2.1.7.2.2.3

State the associated notes, cautions, warnings, critical values, tolerances and limits for PRGM loading procedure with no omissions.

1.2.1.7.2.2.3.1
Perform SMS setup

Perform air-to-surface attack modification

Perform delivery mode modification

Perform release option modification

Perform impact separation modification

Perform arming option modification

Perform number of releases modification

Perform preselection of weapon - air-to-surface mode

Describe the steps in the procedure for air-to-surface attack modification in correct order with no omissions.
Perform air-to-surface attack modification
(profile munitions)
(Page: 205)

1.2.1.7.2.3.3

Perform delivery mode modification

1.2.1.7.2.3.1

Describe the steps in the procedure for delivery mode modification in correct order with the associated notes, cautions, warnings, critical values, tolerances and limits with no omissions.

1.2.1.7.2.3.1.1
Perform air-to-surface attack modification (profile munitions) (Page: 205)

1.2.1.7.2.3.1

Perform release option modification

1.2.1.7.2.3.2

Describe the steps in the procedure for release option modification in correct order with the associated notes, warnings, cautions, critical values, tolerances and limits with no omissions.

1.2.1.7.2.3.2.1
Perform air-to-surface attack modification (profile munitions) (Page: 205)

Perform impact separation modification

Describe the steps in the procedure for impact separation modification in correct order with the associated notes, cautions, warnings, critical values, tolerances and limits with no omissions.
Perform air-to-surface attack modification (profile munitions) (Page: 205)

Describe the steps in the procedure for arming option modification in correct order with the associated notes, cautions, warnings, critical values, tolerances and limits with no omissions.
Perform air-to-surface attack modification (profile munitions) (Page: 205)

1.2.1.7.2.3

Perform number of releases modification

1.2.1.7.2.3.5

Describe the steps in the procedure for number of releases modification in correct order with the associated notes, cautions, warnings, critical values, tolerances and limits with no omissions.

1.2.1.7.2.3.5.1
Perform air-to-surface attack modification (profile munitions) (Page: 205)  
1.2.1.7.2.3.8

Perform preselection of weapon - air-to-surface mode  
1.2.1.7.2.3.8

Describe the steps in the procedure for preselection of weapon - air-to-surface mode in correct order with the associated notes, cautions, warnings, critical values, tolerances and limits with no data.  
1.2.1.7.2.3.6.1
Perform SMS setup
(Page:199)

Describe the steps in
SMS setup in correct
order with no omissions.

System
Workbook-Stores
management system
(Page:213)
Describe the steps in SMS setup in correct order with no omissions. (Page 212)

Describe the stores management system in the F-16A and F-16B aircraft.

List with no omissions and describe without error the components and/or functions of the stores management system, including appropriate sequence and modes of internal and external operation.

State the possible modes of stores management system degradation, and describe their causes and consequences, without error.

List with no omissions and describe without error any features of the stores management system in the F-16B that differ or are in addition to those in the F-16A.

Given a photograph or drawing of the aircraft cockpit, locate and describe the function and manipulation of each control that directly affects the stores management system, without error.

Given a photograph or drawing of the aircraft cockpit, locate and describe the interpretation of each indicator that monitors the stores management system without error.
Perform after engine start checks (Page:196)

Perform FCNP setup

Perform normal compass alignment (Page:216)

Given a suitable hands-on trainer, perform FCNP setup (Page:220)

Perform a Best Available True Heading (BATH) alignment (Page:222)

Enter destination data (Page:223)

Perform computer time select (C) (Page:227)

Perform cursor zero (Page:228)

Perform D-value altitude calibration (Page:229)

Perform maintenance fault list (MFL) clearing (Page:230)
Continued from page: 214

Perform after engine start checks (Page:196)

Perform FCNP setup

Enter beacon data using FCNP (C) (Page:231)

Enter TISL code using FCNP (C) (Page:232)

Perform energy management setup (Page:233)

Check GFP (Page:235)

Perform PFL/HFL recording and INS shutdown (Page:236)

Describe the steps in the procedure for FCNP setup in correct order with no omissions.
Perform FCNP setup (Pages 214)

1.2.1.7.3

Perform normal INS (gyrocompass) alignment

1.2.1.7.3.1

Enter present position on FCNP (Page 217)

1.2.1.7.3.1.1

Enter manual magnetic variation on FCNP (Page 218)

1.2.1.7.3.1.2

Monitor alignment status on FCNP (Page 219)

1.2.1.7.3.1.3

hatch gyrocompass alignment (INS Preflight Procedures) checklist items with their associated notes, cautions, warnings, tolerances, limits and/or critical values without error in accordance with 54.

1.2.1.7.3.1.4
Perform normal INS (gyrocompass) alignment
(Page:216)

Enter present position on FCNP

Describe the steps in the procedure for entering present position on FCNP in correct order with the associated notes, cautions, warnings, critical values, tolerances and limits with no omissions.
Perform normal INS (gyrocompass) alignment (Page: 216)

1.2.1.7.3.1

Enter manual magnetic variation on FCNP

1.2.1.7.3.1.2

Describe the steps in the procedure for entering manual variation on FCNP in correct order with the associated notes, cautions, warnings, critical values, tolerances and limits with no omissions.

1.2.1.7.3.1.2.1
Perform normal INS (gyrocompass) alignment
(Page: 216)

Monitor alignment status on FCP

Describe the steps in the procedure for monitoring alignment status on FCP with the associated notes, cautions, warnings, critical values, tolerances and limits with no omissions.
Perform FCHP setup (Page: 214)

1.2.1.7.3

Given a suitable hands-on trainer, perform FCHP setup

1.2.1.7.3.3

Perform a stored heading alignment (Page: 221)

1.2.1.7.3.2.1
Given a suitable hands-on trainer, perform FCHP setup (Page:220)

1.2.1.7.3.2

Perform a stored heading alignment

1.2.1.7.3.2.1

Match stored heading alignment (INS preflight procedures; checklist items with their associated notes, cautions, warnings, tolerances, limits and/or critical values without error in accordance with -34, -1, 1.3.1.7.3.2.1.1)
Perform FCNP setup (Page: 214)

1.2.1.7.3.3

Perform a Best Available True Heading (BATH) alignment

1.2.1.7.3.3

Match Best Available True Heading (BATH) alignment (INS preflight procedures) checklist items with their associated notes, cautions, warnings, tolerances, limits and/or critical values without error in

1.3.1.7.3.3.1
Perform FCNP setup
(Page:214)

Enter destination data

Enter destination ordinates
(Page:224)

Enter destination elevation
(Page:225)

Enter offset aimpoint data
(Page:226)

Match Destination Data
Entry FCNP checklist
items with their
associated notes,
cautions, warnings,
tolerances, limits
and/or critical values
without error in
accordance with -34.
Enter destination data
(Page: 223)
1.2.1.7.3.4

Enter destination coordinates
1.2.1.7.3.4.1

Describe the steps in the procedure for entering destination coordinates in correct order with no omissions.
1.2.1.7.3.4.1.1
Enter destination data
(Page:223)
1.2.1.7.3.4

Enter destination elevation
1.2.1.7.3.4.2

Describe the steps in the procedure for entering destination elevation in correct order with no omissions.
1.2.1.7.3.4.2.1
Enter destination data
(Page 223)

1.2.1.7.3.4

Enter offset aimpoint data

1.2.1.7.3.4.3

Describe the steps in the procedure for entering offset aimpoint data in correct order with no omissions.

1.2.1.7.3.4.3.1
Perform FCNP setup (Page: 214)

1.2.1.7.3

Perform cursor zero

1.2.1.7.3.6

Match cursor zero (IKS preflight procedures) checklist items with their associated notes, cautions, warnings, tolerances, limits and/or critical values without error in accordance with -1.

1.2.1.7.3.6.1
Perform FCNF setup (Page: 214)

1.2.1.7.3.

Perform D-value altitude calibration

1.2.1.7.3.7.

Match D-value altitude calibration (IMS preflight procedures) checklist items with their associated notes, cautions, warnings, tolerances, limits and/or critical values without error in accordance with -1.

1.2.1.7.3.7.1
Perform FCNP setup (Page 214)

1.2.1.7.3

Perform maintenance fault list (MFL) clearing

1.2.1.7.3.8

Match Maintenance Fault List (MFL) clearing (INS preflight procedures) checklist items with their associated notes, cautions, warnings, tolerances, limits and/or critical values without error in

1.2.1.7.3.8.1
Perform FCNP setup 
(Page: 214)

1.2.1.7.3

Enter beacon data using 
FCNP (C)

1.2.1.7.3.9

Match Beacon Data Entry 
FCNP checklist items 
with their associated 
notes, cautions, 
warnings, tolerances, 
limits and/or critical 
values without error in 
accordance with -34.

1.2.1.7.3.7.1
Perform FCNP setup
(Page: 214)
1.2.1.7.3

Enter TISL code using
FCNP (C)
1.2.1.7.3.10

Match TISL Data Entry
FCNP checklist items
with their associated
notes, cautions,
warnings, tolerances,
limits and/or critical
values without error in
accordance with -34.
1.2.1.7.3.10.1
Perform FCNP setup
(Page: 214)

1.2.1.7.3

Perform energy management setup
1.2.1.7.3.11

1.2.1.7.3.11.1

Enter home steerpoint
1.2.1.7.3.11.2

Enter bingo fuel on FCNP
(Page: 234)
Perform energy management setup

Enter bingo fuel on FCNP

Describe the steps in the procedure for entering BINGO fuel on FCNP in correct order with the associated notes, cautions, warnings, critical values, tolerances and limits with no omissions.
Perform FCNP setup
(Page: 214)

Check OFP

Describe the steps in the procedure for checking OFP in correct order with the associated notes, cautions, warnings, critical values, tolerances and limits with no omissions.
Perform FCHP setup
(Page:214)

Perform PFL/MFL recording and INS shutdown

Describe the procedures for PFL/MFL recording and INS shutdown
Perform after engine start checks (Page 196)

1.2.1.7

Perform REG setup

1.2.1.7.4

Describe the steps in the procedure for performing REG setup in correct order with the associated notes, cautions, warnings, critical values, tolerances and limits with no omissions.

1.2.1.7.4.1
Perform after engine start checks (Page: 196)

1.2.1.7

Perform HUD setup

1.2.1.7.5

Match Head Up Display (Initial Power Up)
Checklist items with their associated notes, cautions, warnings, tolerances, limits and/or critical values without error in accordance with 3.4.

1.2.1.7.5.1
Perform after engine start checks (Page:196)

1.2.1.7

Perform threat warning system check

1.2.1.7.6

Match Threat Warning System checklist items with their associated notes, cautions, warnings, tolerances, limits and/or critical values without error in accordance with -34.

1.2.1.7.6.1
Perform after engine start checks (Page:196)

1.2.1.7

Perform ECM equipment checks (if applicable)

1.2.1.7.7

Describe the steps in the procedure for performing ECM equipment checks in correct order with no omissions.

1.2.1.7.7.1
Perform after engine start checks (Page: 196)
1.2.1.7

Perform BIT checks via FCNP
1.2.1.7.9

State the correct procedure for initiating built-in test (BIT) sequences via the FCNP in accordance with the checklist and/or Avionics Manual.
1.2.1.7.9.1
Perform normal takeoff procedures (Page: 152)
1.2.1

Perform before taxi checks
1.2.1.8

Match before taxi checklist items with their associated notes, cautions, warnings, tolerances, limits and/or critical values without error in accordance with -1.
1.2.1.8.1
Perforn normal takeoff procedures (Page:152)

1.2.1.9

Perform taxi

1.2.1.9.1

Perform taxi checks (Page:245)

1.2.1.9.2

Perform single-ship taxi (Page:246)

1.2.1.9.3

Perform formation taxi (Page:250)
Perform taxi (Page: 244)

1.2.1.9

Perform taxi checks

1.2.1.9.1

Match taxi checklist items with their associated notes, cautions, warnings, limits and/or critical values without error in accordance with -1.

1.2.1.9.1.1
Perform single-ship taxi

1.2.1.9.2

Describe the steps in the procedure for single-ship taxi in correct order with the associated notes, cautions, warnings, critical values, tolerances and limits with no
1.2.1.9.2.1
Describe the steps in the procedure for single-ship taxi in correct order with the associated notes, cautions, warnings, critical values, tolerances and limits with no omissions.

1.2.1.9.2.1

---

Perform single-ship taxi (Page: 246)

---

System workbook--broke system. (Page: 248)

---

System workbook--NW5 system. (Page: 249)
Describe the steps in the procedure for single-ship taxi in correct order with the associated notes, cautions, warnings, critical values, tolerances and limits with no omissions.

(System workbook — brake system.)

1.2.1.9.2.1.1

Describe the brake system in the F-16A and F-16B aircraft.

1.2.1.9.2.1.1.1

List with no omissions and describe without error the components and/or functions of the brake system, including as appropriate the sequence and modes of internal and external operation.

1.2.1.9.2.1.1.2

Given a photograph or drawing of the aircraft cockpit, locate and describe the function and manipulation of each control that directly affects the brake system, without error.

1.2.1.9.2.1.1.3

Given a photograph or drawing of the aircraft cockpit, locate and describe the interpretation of each indicator that monitors the brake system, without error.

1.2.1.9.2.1.1.4

State the possible modes of brake system degradation, and describe their causes and consequences, without error.

1.2.1.9.2.1.1.5

List with no omissions and describe without error any features of the brake system in the F-16B that differ or are in addition to those in the F-16A.

1.2.1.9.2.1.1.6
Describe the steps in the procedure for single-ship taxi in correct order with the associated notes, cautions, warnings, critical values, tolerances and limits with no omissions.

(Pages 247-248)

<table>
<thead>
<tr>
<th>System workbook—NWS system.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.2.1.9.2.1.2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Describe the NWS system in the F-16A and F-16B aircraft</th>
<th>List with no omissions and describe without error the components and/or functions of the NWS system, including as appropriate the sequence and modes of internal and external operation.</th>
<th>Given a photograph or drawing of the aircraft cockpit, locate and describe the function and manipulation of each control that directly affects the NWS system without error.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.2.1.9.2.1.2.1</td>
<td>1.2.1.9.2.1.2.2</td>
<td>1.2.1.9.2.1.2.3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>State the possible modes of NWS system degradation, and describe their causes and consequences, without error.</th>
<th>List with no omissions and describe without error any features of the NWS system in the F-16B that differ or are in addition to those in the F-16A.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.2.1.9.2.1.2.5</td>
<td>1.2.1.9.2.1.2.6</td>
</tr>
</tbody>
</table>

Given a photograph or drawing of the aircraft cockpit, locate and describe the interpretation of each indicator that monitors the NWS system without error.
Perform taxi (Page: 244)

1.2.1.9

Perform formation taxi

1.2.1.9.3

Describe the procedures and techniques for formation taxi in the F-16.

1.2.1.9.3.1
<table>
<thead>
<tr>
<th>Perform normal takeoff procedures (Page:152)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>1.2.1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accomplish maintenance procedures/maintenance checks</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1.2.1.10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Describe the steps in the procedure for accomplishing maintenance procedures/maintenance checks in correct order with the associated notes, cautions, warnings, critical values, tolerances and</td>
</tr>
</tbody>
</table>

| 1.2.1.10.1 |
Perform normal takeoff procedures (Page:152)

1.2.1

Perform before takeoff checks

1.2.1.11

Match before takeoff checklist items with their associated notes, cautions, warnings, tolerances, limits and/or critical values without error in accordance with -1.

1.2.1.11.1
Perform normal takeoff procedures (Page 52)

Take active runway

Take active runway as a single ship (E)

Take active runway as a formation (E)
Perform normal takeoff procedures (Page:152)

Perform lineup checks

Perform lineup checks for single ship takeoff (Page:255)

Perform lineup for formation takeoff (Page:256)
Perform lineup checks (Page: 254)

1.2.1.13

Perform lineup checks for single ship takeoff

1.2.1.13.1

Describe the steps in the procedure for performing single ship lineup checks with associated tolerances, limits, and critical values without error.

1.2.1.13.1.1
Perform lineup checks (Page 254)

Perform lineup for formation takeoff

1.2.1.13.2

Describe the procedures and techniques for formation lineup in the F-16.

1.2.1.13.2.1
Perform takeoff procedures (Page: 151)

Perform adverse weather pretakeoff procedures

State the special considerations for performing adverse weather pretakeoff procedures with no omissions.

1.2.3.1
Perform takeoff procedures (Page:151)

Perform scramble pretakeoff procedures (C)

Perform scramble scramble launch (aircraft on alert) procedures (C)
(Page:260)

Perform scramble taxi (C)
(Page:261)

Given a suitable hands-on trainer, perform scramble pretakeoff procedures

Perform scramble preflight checks (cock aircraft for alert) (C) (Page:259)

1.2.4.1

1.2.4.2

1.2.4.3

1.2.4.4
Perform scramblere takeoff procedures (C) (Page 258)

1.2.4.1

Perform scramblere preflight checks (cock aircraft for alert) (C)

Describe the steps in the procedure for performing a scramblere preflight check in correct order with the associated notes, cautions, warnings, critical values, tolerances, and limits with no omissions.

1.2.4.1.1
Perform scramble
pretakeoff procedures
(C) (Page:258)

1.2.4.1

Perform scramble launch
(aircraft on alert)
procedures (C)

1.2.4.2

Describe the steps in
the procedure for
performing scramble
launch in correct order
with the associated
notes, cautions,
warnings, critical
values, tolerances, and
limits with no
omissions.

1.2.4.2.1
1.2.4.1

Describe the steps in the procedure for performing scramble taxi in correct order with the associated notes, cautions, warnings, critical values, tolerances and limits with no omissions.

1.2.4.3
Perform takeoff procedures (Page:151)

1.2

Perform nuclear strike/alert pretakeoff procedures (C)

1.2.5

Perform preflight procedures-nuclear (T or C for actual WPN) (Page:263)

1.2.5.1

Perform ground alert procedures (nuclear) (C) (Page:273)

1.2.5.2

Perform launch procedures (nuclear) (C)

1.2.5.3

Given a suitable hands-on trainer, perform nuclear strike/alert pretakeoff procedures.

1.2.5.4
Perform nuclear strike/alert pretakeoff procedures (C) (Pages: 262)

1.2.5

Perform preflight procedures-nuclear (T or C for actual WPN)

1.2.5.1

- Check AFTO Form 781 (nuclear) (T or C for actual WPN)

1.2.5.1.1

- Perform exterior inspection-aircraft (nuclear) (T or C for actual WPN)

1.2.5.1.2

- Perform exterior inspection-aircraft/off) - nuclear (T or C for actual WPN) (Pages: 264)

1.2.5.1.3

- Perform interior inspection (power on) - nuclear (T or C for actual WPN) (Pages: 271)

1.2.5.1.5

- Perform interior inspection - munitions (nuclear) (T or C for actual WPN) (Pages: 264)

1.2.5.1.4
Perform preflight procedures—nuclear (T or C for actual WPN) (Page: 263)

1.2.5.1

Perform exterior inspection—munitions (nuclear) (T or C for actual WPN)

1.2.5.1.3

Inspect MAU-12 C/A rack (nuclear) (T or C for actual WPN) (Page: 265)

1.2.5.1.3.1

Inspect weapons (nuclear) (T or C for actual WPN) (Page: 266)

1.2.5.1.3.2
Perform exterior inspection - munitions (nuclear) (T or C for actual WPN) (Page 264)

1.2.5.1.3

Inspect MAU-12 C/A rack (nuclear) (T or C for actual WPN)

1.2.5.1.3.1

Match MAU-12 C/A rack (nuclear) checklist items with their associated notes, cautions, warnings, tolerances, limits and/or critical values without error in accordance with -25.

1.2.5.1.3.1.1
Perform exterior inspection - munitions (nuclear) (T or C for actual WPN) (Page:264)

Inspect weapons (nuclear) (T or C for actual WPN)

1.2.5.1.3.1

Inspect B43 bomb (nuclear) (T or C for actual WPN) (Page:267)

Inspect B57 bomb (nuclear) (T or C for actual WPN) (Page:266)

Inspect B61 bomb (nuclear) (T or C for actual WPN) (Page:265)
Inspect weapons
(nuclear) (T or C for actual WP) (Page:266)
1.2.5.1.3.7

Inspect B43 bomb
(nuclear) (T or C for actual WP)
1.2.5.1.3.3.1

Match B43 bomb
(nuclear) checklist items with their associated notes, cautions, warnings, tolerances, limits and/or critical values without error in accordance with -25.
1.2.5.1.3.2.1.1
Inspect weapons (nuclear) (T or C for actual WPN) (Page:266)
Inspect weapons (nuclear) (T or C for actual WPN) (Page:266)

Inspect 601 bomb (nuclear) (T or C for actual WPN)

Match 601 bomb (nuclear) checklist items with their associated notes, cautions, warnings, tolerances, limits and/or critical values without error in accordance with -25.
Perform preflight procedures—nuclear (T or C for actual WPN) (Page 263)  
1.2.5.1

Perform interior inspection (power off) — nuclear (T or C for actual WPN)  
1.2.5.1.4

Match interior inspection (power off) — nuclear checklist items with their associated notes, cautions, warnings, tolerances, limits and/or critical values without error in accordance with -25.  
1.2.5.1.4.1
Perform preflight procedures-nuclear (T or C for actual WPN) (Page: 263)

Perform interior inspection (power on) - nuclear (T or C for actual WPN)

Perform NUOSMS loading (Page: 272)

Hash interior inspection (power on) - nuclear checklist items with their associated notes, cautions, warnings, tolerances, limits and/or critical values without error in accordance with -25.
Perform interior inspection (power on) - nuclear (T or C for actual WPN) (Page:271)

Perform NUCSFS loading

1.2.5.1.5.1

Describe the steps in the procedure for performing NUC loading with the associated notes, cautions, warnings, critical values, tolerances, and limits with no omissions.

1.2.5.1.5.1.1

Given a suitable hands-on trainer, perform NUC loading.

1.2.5.1.5.1.2
Perform nuclear strike/alert pretakeoff procedures (C) (Page 262)

1.2.5

Perform ground alert procedures (nuclear) (C)

1.2.5.2

Describe the procedure for performing ground alert procedures (NUG) and name the considerations of most importance with no omissions.

1.2.5.2.1
Perform takeoff procedures (Page: 151) 

Perform pretakeoff emergency procedures 

Perform engine-starting emergency procedures (Page: 275) 

Perform ground emergency procedures (Page: 281)
Perform pretokeoff emergency procedures (Page: 274)

Perform engine-starting emergency procedures

1.2.6.1

Accomplish emergency engine shutdown on ground (Page: 276)

1.2.6.1.1

Respond to JFS malfunction (no JFS RUN light) (Page: 277)

1.2.6.1.2

Respond to JFS RUN light not going out (Page: 278)

1.2.6.1.3

Identify and respond to engine start overtemp (Page: 279)

1.2.6.1.4

Identify and respond to engine/JFS fire/overheat on start (Page: 266)

1.2.6.1.3

State the possible modes of engine system degradation, and describe their causes and consequences, without error.

1.2.6.1.6

List with no omissions and describe without error any features of the engine system in the F-16B that differ or are in addition to those in the F-16A.

1.2.6.1.7
Perform engine-starting emergency procedures (Page 275)

1.2.6.1

Accomplish emergency engine shutdown on ground

1.2.6.1.1

Describe the steps in the procedure for emergency engine shutdown on ground in correct order with no omissions.

1.2.6.1.1.1
Given indications occurring during JFS malfunction (no JFS Run light), identify the specific problem and state the correct response without error.

- State the steps in the corrective procedure for the 'No JFS Run light' malfunction without error.
Perform engine-starting emergency procedures (Page 275)

Respond to JFS RUN light not going out

Given indications occurring during JFS RUN light not going out, identify the specific problem without error.

State the steps in the corrective procedure for the JFS RUN light not going out without error.
Perform engine-starting emergency procedures
(Page: 275)
1.2.6.1

Identify and respond to engine start overtemp
1.2.6.1.4

Given indications occurring during engine start overtemp, identify the specific problem without error.
1.2.6.1.4.1

State the steps in the corrective procedure for the engine start overtemp malfunction without error.
1.2.6.1.4.2
Perform engine-starting emergency procedures (Page: 275)

1.2.6.1

Identify and respond to engine/JFS fire/overheat on start

1.2.6.1.5

Given indications occurring during engine/JFS fire/overheat on start, identify the specific problem without error.

1.2.6.1.5.1

State the steps in the corrective procedure for the engine/JFS fire/overheat on start without error.

1.2.6.1.5.2
Perform pretakeoff emergency procedures (Page: 274)

1.2.6

Perform ground emergency procedures

1.2.6.2

Perform emergency ground egress (Page: 282)

1.2.6.2.1

Perform emergency ground entrance (D) (Page: 285)

1.2.6.2.2

Perform emergency ground jettison (Page: 286)

1.2.6.2.3

Identify and respond to brake failure while taxiing (Page: 287)

1.2.6.2.4

Identify and respond to nosewheel steering failure (Page: 290)

1.2.6.2.5

Identify and respond to electrical malfunction on ground (Page: 293)

1.2.6.2.6

Identify and respond to hydraulic system failure on ground (Page: 295)

1.2.6.2.7
Perform ground emergency procedures (Page: 261)

Perform emergency ground egress

Describe the steps in the procedure for emergency ground egress in correct order with no omissions. (Page: 283)

Given a suitable hands-on trainer, perform emergency ground egress.
Perform ground emergency procedures
(Pages: 281)

1.2.6.2

Perform emergency ground egress
1.2.6.2.1

Describe the steps in the procedure for emergency ground egress in correct order with no omissions.
(Pages: 283)

1.2.6.2.1.1

Given a suitable hands-on trainer, perform emergency ground egress.

1.2.6.2.1.2
Perform emergency ground egress (Page:282)

1.2.6.2.1

Describe the steps in the procedure for emergency ground egress in correct order with no omissions.

1.2.6.2.1.1

System workbook—escape system (Page:284)

1.2.6.2.1.1.1
Describe the steps in the procedure for emergency ground egress in correct order with no omissions. (Page: 283)

1.2.6.2.1.1

Describe the escape system in the F-16A and F-16B aircraft.

1.2.6.2.1.1.1

List with no omissions and describe without error the components and/or functions of the escape system, including appropriate the sequence and modes of internal and external operation.

1.2.6.2.1.1.2

Given a photograph or drawing of the aircraft cockpit, locate and describe the function and manipulation of each control that directly affects the escape system without error.

1.2.6.2.1.1.3

Given a drawing or photograph of the aircraft cockpit, locate and describe the interpretation of each indicator that monitors the escape system without error.

1.2.6.2.1.1.4

State the possible modes of escape system degradation, and describe their causes and consequences without error.

1.2.6.2.1.1.5

List with no omissions and describe without error any features of the system in the F-16B that differ or are in addition to those in the F-16A.

1.2.6.2.1.1.6

Systems workbook - escape system

1.2.6.2.1.1.1
Perform emergency procedures (Page: 281)

1.2.6.2

Perform emergency ground entrance (D)

1.2.6.2.2

Describe the steps in the procedure for emergency ground entrance in correct order with no omission.

1.2.6.2.2.1
Perform ground emergency procedures

1.2.6.2.

Perform emergency ground jettison

1.2.6.2.3

Describe the steps in the procedure for emergency ground jettison in correct order with no omissions.

1.2.6.2.3.1
Perform ground emergency procedures (Page:281)

1.2.6.2

Identify and respond to brake failure while taxiing

1.2.6.2.4

Given indications occurring during brake failure while taxiing, identify the specific problem and state the correct response without error. (Page:286)

1.2.6.2.4.1

State the steps in the corrective procedure for brake failure while taxiing without error.

1.2.6.2.4.2
Identify and respond to brake failure while taxiing (Page: 287)

1.2.6.2.4

Given indications occurring during brake failure while taxiing, identify the specific problem and state the correct response without error.

1.2.6.2.4.1

Systems workbook - wheel brake system (Page: 289)

1.2.6.2.4.1.1
<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.2.6.2.4.1.1</td>
<td>Given indications occurring during brake failure while taxiing, identify the specific problem and state the correct response without error. (Page: 288)</td>
</tr>
<tr>
<td>1.2.6.2.4.1.1.1</td>
<td>Systems workbook - wheel brake system</td>
</tr>
<tr>
<td>1.2.6.2.4.1.1.1.1</td>
<td>Describe the wheel brake system in the F-16A and F-16B aircraft.</td>
</tr>
<tr>
<td>1.2.6.2.4.1.1.1.2</td>
<td>List with no omissions and describe without error the components and/or functions of the wheel brake system, including as appropriate the sequence and modes of internal and external operations.</td>
</tr>
<tr>
<td>1.2.6.2.4.1.1.3</td>
<td>Given a photograph or drawing of the aircraft cockpit, locate and describe the function of each control that directly affects the wheel brake system, without error.</td>
</tr>
<tr>
<td>1.2.6.2.4.1.1.4</td>
<td>Given a photograph or drawing of the aircraft cockpit, locate and describe the interpretation of each indicator that monitors the wheel brake system without error.</td>
</tr>
<tr>
<td>1.2.6.2.4.1.1.5</td>
<td>State the possible modes of wheel brake system degradation, and describe their causes and consequences without error.</td>
</tr>
<tr>
<td>1.2.6.2.4.1.1.6</td>
<td>List with no omissions and describe without error any features of the wheel brake system in the F-16B that differ or are in addition to those in the F-16A.</td>
</tr>
</tbody>
</table>
Perform ground emergency procedures (Page: 281)

1.2.6

Identify and respond to nosewheel steering failure

1.2.6.2.5

Given indications occurring during nosewheel steering failure, identify the specific problem and state the correct response without error. (Page: 291)

1.2.6.2.5.1
Perform ground emergency procedures
(Pages: 281)

Identify and respond to nosewheel steering failure

Given indications occurring during nosewheel steering failure, identify the specific problem and state the correct response without error.
(Pages: 291)
Identify and respond to nosewheel steering failure (Page: 296)

Given indications occurring during nosewheel steering failure, identify the specific problem and state the correct response without error.

Systems workbook—nosewheel steering system (Pages: 292)
Given indications occurring during nosewheel steering failure, identify the specific problem and state the correct response without error. (Page: 291)

Systems workbook—nosewheel steering system

1.2.6.2.5.1

Describe the nosewheel steering system in the F-16A and F-16B aircraft.

1.2.6.2.5.1.1

List with no omissions and describe without error the components and/or functions of the nosewheel steering system, including as appropriate the sequence and modes of internal and external operation.

1.2.6.2.5.1.2

Given a photograph or drawing of the aircraft cockpit, locate and describe the function and manipulation of each control that directly affects the nosewheel steering system without error.

1.2.6.2.5.1.3

Given a photograph or drawing of the aircraft cockpit, locate and describe the interpretation of each indicator that monitors the nosewheel steering system without error.

1.2.6.2.5.1.4

State the possible modes of nosewheel steering system degradation, and describe their causes and consequences without error.

1.2.6.2.5.1.5
Perform ground emergency procedures (Page:281)

1.2.6.2

Identify and respond to electrical malfunction on ground

1.2.6.2.6

State the possible modes of electrical power system degradation, and describe their causes and consequences, without error. (Page:294)

1.2.6.2.6.1

State the steps in the corrective procedure for electrical malfunction on ground without error.

1.2.6.2.6.2
Identify and respond to electrical malfunction on ground (Page 273).

1.2.6.2.6

State the possible modes of electrical power system degradation, and describe their causes and consequences, without error.

1.2.6.2.6.1

List with no omissions and describe without error any feature of the electrical power system in the F-16 that differ or are in addition to those of the F-16A.

1.2.6.2.6.1.1
Perform ground emergency procedures (Pages 281)

1.2.6.2

Identify and respond to hydraulic system failure on ground

1.2.6.2.7

Given indications occurring during hydraulic system failure on ground, identify the specific problem and state the correct response without error.

(Pages 296)

1.2.6.2.7.1

State the steps in the corrective procedure for hydraulic system failure on ground without error.

1.2.6.2.7.2
Given indications occurring during hydraulic system failure on ground, identify the specific problem and state the correct response without error.

- 6.2.7.1 -
Given indications occurring during hydraulic system failure on ground, identify the specific problem and state the correct response without error. (Page 296)

| 1.2.6.2.7.1.1 |

**System workbook—hydraulic power system**

- Be the hydraulic system in the F and F-16B aft.
- List with no omissions and describe without error the components and/or functions of the hydraulic power system, including as appropriate the sequence and modes of internal and external operation.
- Given a photograph or drawing of the aircraft cockpit, locate and describe the function and manipulation of each control that directly affects the hydraulic power system without error.
- Given a photograph or drawing of the aircraft cockpit, locate and describe the interpretation of each indicator that monitors the hydraulic power system without error.
- State the possible modes of hydraulic power system degradation, and describe their causes and consequences without error.
- List with no omissions and describe without error any features of the hydraulic power system in the F-16B that differ from those in the F-16A.