BRIEFING GUIDE BOOK

CONTENTS PAGE

DOCUMENT (PREPARATION BEFORE BRIEFING)

1. FLIGHT MANUAL
2. FLIGHT HANDBOOK (CT-4 STUDENT GUIDE)
3. SYLLABUS
4. STANDARD OPERATING PROCEDURE
5. HOME-BASE AIRFIELD / INFLIGHT DATA
6. WEATHER FORECAST
7. MISSION CARD (COMPLETE DATA)
8. MAP/FLIGHT LOG/D.R. COMPUTER (NAVIGATION)
9. AIP THAILAND/ FLIP (NAVIGATION)
10. AFM 11-217/ SUPPLEMENT/ LET-DOWN CHART (INSTRUMENT)

การเลือกใช้หัวข้อ BRIEF กับภารกิจ

BRIEFING GUIDE	MISSION
GENERAL	CONTACT NAVIGATION NIGHT (CONTACT)
INSTRUMENT	INSTRUMENT NAVIGATION (IFR) NIGHT (INSTUMENT)
FORMATION	FORMATION NIGHT (FORMATION)

GENERAL

BRIEFING ITEMS

1. EMERGENCY OF THE DAY/ BOLDFACE/ SITUATION
2. MISSION DESCRIPTION
    A. PRIMARY MISSION/ALTERNATE MISSION
    B. SYLLABUS REQUIREMENT (SKILL LEVEL)
3. PREMISSION REMARKS
    A. NOTAM
    B. WEATHER
    C. TIME HACK
    D. SPECIAL INSTRUCTION
4. MISSION CARD BRIEFING
    A. CALL SIGN/ AIRCRAFT NUMBER
    B. STATION / ENGINE START
    C. TAKE OFF TIME / LANDING TIME
    D. AREA
    E. IFF
5. A/C PREFLIGHT CHECKS
    A. BEFORE EXTERIOR CHECKS
    B. EXTERIOR CHECKS
    C. INTERIOR CHECKS
6. START ENGINE PROCEDURES/ EMERGENCY ABORT START
7. TAXI/ PROCEDURE/ EMERGENCY BRIEF
8. TAKE OFF/ PROCEDURE/ EMERGENCY BRIEF
    A. PROCEDURE
    B. EMERGENCY BRIEF/ ON GROUND/ AFTER AIRBORNE
    C. EMERGENCY GROUND EGRESS
    D. ABORT PROCEDURE

9. DEPARTURE/ LEVEL OFF
    A. ROUTE/ AIRSPEED/ POWER
10. ENROUTE AND AREA EMERGENCY
    B. ENROUTE ABORT/ EMERGENCY AIRFIELD
    C. RADIO/ IFF
11. MISSION PROFILE
    A. AIRWORK
    B. BINGO FUEL
12. RECOVERY
    A. LET-DOWN PROCEDURES
    B. ROUTE/ REPORTING PT. /ALTITUDE
    C. DIVERT/ EMERGENCY AIRFIELD
13. TRAFFIC PATTERN AND LANDING
    A. TYPE (360° OVERHEAD/90°SIDE APPROACH/ STRAIGHT-IN)
    B. PATTERN PROCEDURES
    C. GO-AROUND PROCEDURES
14. LANDING EMERGENCY
    A. ENGINE
    B. FUEL SYSTEM
    C. PHYSIOLOGICAL INCIDENT
    D. FLIGHT CONTROL
    E. STRUCTURAL DAMAGE
    F. ELECTRICAL
    G. SIMPLE RADIO FAILURE
    H. BRAKE FAILURE
    I. BLOWN TIRE
    J. HOT BRAKE
    K. HYDROPLANE

15. AFTER LANDING PROCEDURES

A. AFTER LANDING PROCEDURES

B. POST FLIGHT CHECKS

16. DUAL AIRCRAFT PROCEDURE

A. NORMAL PROCEDURES

AIRCREW COORDINATION/ CLEARING

CHECKS (CHALLENGE AND RESPONSE)

TRANSFER OF AIRCRAFT CONTROL

COMMUNICATION

B. EMERGENCIES

AIRCREW COORDINATION (BOLDFACE PROCEDURE/CHECKLIST USAGE)

DECISION/ RESPONSIBILITY

BALE-OUTPROCEDURE/COMMAND/SIGNAL

INTERPHONE INOPERATIVE

17. QUESTIONS

18. CRITIQUES (AFTER FLIGHT)

A. GROUND PROCEDURES

B. TAKE OFF/DEPARTURE/LEVEL OFF

C. MISSION ACCOMPLISHMENT AND ANALYSIS

D. RECOVERY

E. LANDING

F. RADIO PROCEDURES

G. AIRMANSHIP

H. RECOMMENDATIONS AND COMMENTS

NAVIGATION

SPECIFIC MISSION BRIEFING GUIDE

HIGH-ALTITUDE NAVIGATION

11. MISSION PROFILE (HIGH-ALTITUDE NAVIGATION)

A. FLIGHT PLAN/ CLEARANCE

B. MAP AND FLIGHT-LOG PREPARATION

(TURNING POINT/ LEG HEADING, ALTITUDE, DISTANCE, TIME / OBSTACLE/ DESTINATION/ FUEL REQUIREMENT)

C. VFR GROUND TRACK CONTROL

D. IFR ROUTE AND REPORTING POINT

E. CRITICAL POINT AND POINT OF NO RETURN

F. NAV. AID ORIENTATION

G. CRUISE

SPEED (TAS/GS)

ALTITUDE

H. RADIO PROCEDURE AND COMMUNICATION

I. INFLIGHT WORK CYCLE (CLEAR CHECK)

J. GROUND SPEED CHECKS

NAV. AID

GROUND TRACK

TIME

K. D.R. IN-FLIGHT COMPUTATION

L. DESTINATION WEATHER CLEARANCE

ATIS

FREQUENCY

LOW-LEVEL NAVIGATION

11. MISSION PROFILE

A. FLIGHT PLAN CLEARANCE

B. MAP PREPARATION
- DETAILS
- MSA
- ALTITUDE SELECTION

C. EVENT TECHIQUE ROUTE
- HACK TIME
- TRACK CORRECTION
- TIMECORRECTION

D. ABORT MISSION

E. WEATHER AVOIDANCE

F. EMERGENCY LOW LEVEL ABORT

G. EMERGENCY BRAKE

INSTRUMENT

BRIEFING ITMES

1. EMERGENCY OF THE DAY/BOLDFACE/SITUATIONS
2. MISSION DESCRIPTION
    - A. PRIMARY MISSION/ALTERNATE MISSION
    - B. SYLLABUS REQUIREMENTS (SKILL LEVEL)
3. PREMISSION REMARKS
    - A. NOTAM
    - B. WEATHER
    - C. TIME HACK
    - D. SPECIAL INSTRUCTION
4. MISSION CARD BRIEFING
    - A. CALL SIGN/AIRCRAFT NUMBER
    - B. STATION/ENGINE START
    - C. TAKE OFF TIME/LANDING TIME
    - D. AREA
    - E. IFF
5. A/C PRE-FLIGHT CHECKS
    - A. BEFORE EXTERIOR CHECKS
    - B. EXTERIOR CHECKS
    - C. INTERIOR CHECKS
6. START ENGINE PROCEDURES/EMERGENCY ABORT START
7. TAXI PROCEDURES/EMERGENCY BRIEF

8. TAKE OFF PROCEDURES/EMERGENCY BRIEF
    A. PROCEDURES
    B. EMERGENCY BRIEF/ON GROUND/AFTER AIRBORNE
    C. EMERGENCY GROUND EGRESS
9. DEPARTURE/LEVEL OFF
    A. ROUTE/AIRSPEED/POWER
10. ENROUTE
    A. ENROUTE ABORT/EMERGENCY AIRFIELD
    B. RADIO/IFF
    C. SPATIAL DISORIENTATION
11. MISSION PROFILE
    A. AIRWORK
    B. BINGO FUEL
12. RECOVERY
    12.1 BASIC INSTUMENT
        A. LET-DOWN PROCEDURES
        B. ROUTE/REPORTING PT./ALTITUDE
        C. DIVERT/EMERGENCY/AIRFIELD
    12.2 ADVANCE INSTRUMENT
        A. BEFORE DESCENT CHECKS
        B. TYPE OF AN APPROACH
        C. MISSED APP./LOW APP. PROCEDURES
13. TRAFFIC PATTERN AND LANDING
    A. TYPE (360 OVERHEAD/90 SIDE APPROACH/ STRAIGHT-IN)
    B. PATTERN PROCEDURES
    C. GO-AROUND PROCEDURES
    D. BREAK-OUT PROCEDURES

14. LANDING EMERGENCY

A. ENGINE

B. FUEL SYSTEM

C. PHYSIOLOGICAL INCIDENT

D. FLIGHT CONTROL

E. STRUCTURAL DAMAGE

F. ELECTRICAL

G. SIMPLE RADIO FAILURE

H. BRAKE FAILURE

I. BLOWN TIRE

J. HOT BRAKE

K. HYDROPLANE

15. AFTER LANDING

A. AFTER LANDING PROCEDURES

B. POST-FLIGHT CHECKS

16. DUAL AIRCRAFT PROCEDURE

A. NORMAL PROCEDURES

AIRCREW COORDINATION/ CLEARING

CHECKS (CHALLENGE AND RESPONSE)

TRANSFER OF AIRCRAFT CONTROL

COMMUNICATION

B. EMERGENCIES

AIRCREW COORDINATION (BOLDFACE PROCEDURE/CHECKLIST USAGE)

DECISION/ RESPONSIBILITY

BALE-OUTPROCEDURE/COMMAND/SIGNAL

INTERPHONE INOPERATIVE

17. QUESTIONS

18. CRITIQUE (AFTER FLIGHT)

A. GROUND PROCEDURES

B. TAKE OFF/DEPARTURE/LEVEL OFF

D. CONDUCT OF FLIGHT CRUISE

BASIC INSTRUMENT

RADIO PROCEDURES

E. MISSION ACCOMPLISHMENT AND ANALYSIS

HOLDING

LOW APPROACH

MISS APPROACH

F. RECOVERY

G. LANDING

H. AIRMANSHIP

I. RECOMMENDATIONS AND COMMENTS

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    A. CALL SIGN/AIRCRAFT NUMBER
    B. STATION/ENGINE START
    C. TAKE OFF TIME/LANDING TIME
    D. AREA
    E. IFF
5. A/C PREFLIGHT CHECKS
    A. BEFORE EXTERIOR CHECKS
    B. EXTERIOR CHECKS
    C. INTERIOR CHECKS
6. START ENGINE PROCEDURES/EMERGENCY ABORT START
    A. SIGNAL
    B. ABORT
7. AFTER START CHECKS
    A. SIGNAL
    B. CHECK IN

8. TAXI/ACTIVE RUNWAY

A. POSITION/SPACING

B. BEFORE TAKE OFF CHECKS

C. EMERGENCY BRIEF

9. TAKE OFF/DEPARTURE

A. LINE UP CHECKS

B. SIGNAL/LINE UP CHECKS

C. FORMATION/SIGNAL (INTERVAL) TAKE OFF

D. JOIN UP

E. TRAFFIC EXIT/CLEARING (AREA OF POTENTIAL CONFLICT)

10. TAKE OFF EMERGENCY ABORT PROCEDURES

A. ON GROUND/EMERGENCY GROUND EGRESS

B. AFTER AIRBORNE

11. ENROUTE AND AREA EMERGENCY

A. ENROUTE ABORT/EMERGENCY AIRFIELD

B. RADIO/IFF

12. MISSION PROFILE

A. POWER REQUIREMENTS (TAXI, LINE UP, TAKE OFF,CLIMB,AIRWORK,DESCENT,LANDING)

B. AIRWORK (WINGMAN BRIEF AFTER POSITION CHANGE PROCEDURES)

C. PITCH OUT/REJOIN

TYPE

AIRSPEED

OVERSHOOT

BREAK OUT

D. POSITION CHANGE PROCEDURES

E. COLLISION AVOIDANCE

F. LOST WINGMAN PROCEDURES

G. LOST SIGHT PROCEDURES

H. RENDEZVOUS

I. BINGO FUEL

J. EMERGENCIES/MALFUNCTION

13. RECOVERY

A. BEFORE DESCENT CHECKS

B. LET DOWN PROCEDURES

C. ROUTE/REPORTING PT./ALTITUDE

D. DIVERT/EMERGENCY AIRFIELD

14. TRAFFIC PATTERN AND LANDING

A. TYPE (360°OVERHEAD/ 90°SIDE APPROACH/STRAIGHT-IN)

B. PATTERN PROCEDURES

C. GO-AROUND PROCEDURE

15. LANDING EMERGENCY

A. ENGINE

B. FUEL SYSTEM

C. PHYSIOLOGICAL INCIDENT

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E. STRUCTURAL DAMAGE

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16. AFTER LANDING

A. POST LANDING PROCEDURES

B. TAXI ROUTE

C. PARKING/SHUTDOWN

D. POST FLIGHT CHECKS

17. DUAL AIRCRAFT PROCEDURE

A. NORMAL PROCEDURES

AIRCREW COORDINATION/ CLEARING

CHECKS (CHALLENGE AND RESPONSE)

TRANSFER OF AIRCRAFT CONTROL

COMMUNICATION

B. EMERGENCIES

AIRCREW COORDINATION (BOLDFACE PROCEDURE/CHECKLIST USAGE)

DECISION/ RESPONSIBILITY

BALE-OUTPROCEDURE/COMMAND/SIGNAL

INTERPHONE INOPERATIVE

18. QUESTIONS

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A. GROUND PROCEDURES

B. TAKE OFF/DEPARTURE/LEVEL OFF

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D. RECOVERY

E. LANIDNG

F. RADIO PROCEDURES

G. AIRMANSHIP

H. RECOMMENDATIONS AND COMMENTS

SPECIAL INSTRUCTION (CONTACT)

1. MINIMUM RUNWAY LENGTH FOR CT-4E OPERATION IS 1500 FT.
2. TAKE OFF WHEN CROSSWIND COMPONENT ABOVE 20 KNOTS IS PROHIBITED
3. DO NOT PRACTICE UNUSUAL ATTITUDES WHEN WEATHER CEILING BELOW 150O FT.
4. NO REFUELING WITH ENGINE ON
5. THE MINIMUM ALTITUDE DURING ANY AEROBATIC MANEUVERS IS 3000 FT. AGL (SOLO) OR 2000 FT. AGL (DUAL)
6. COMPLETE STALLS AND SLOW FLIGHT AT LEAST 2000 FT. AGL
7. THE MAXIMUM OPERATING SPEED LIMIT FOR CT-4E IS 149 KNOTS
8. THE MINIMUM ALTITUDE MUST NOT BE BELOW 300 FT. AGL
9. LOW APPROACH ALTITUDE MUST NOT BE BELOW 300 FT. AGL
10. BEFORE AEROBATICS, CHECK HARNESS LOCKED AND TIGHT

SPECIAL INSTRUCTION (FORMATION)

1. FORMATION TAKE OFF OR FORMATION APPROACH CAN BE DONE WHEN ABOVE CIRCLING MINIMA: CEILING > 500 FT.,VISIBILITY > 1 MILE
2. SINGLE-SHIP TAKE OFF OR INTERVAL TAKE OFF FOR FLIGHT OF FOUR NOT ALLOWED WHEN CEILING < 1500 FT. AND VISIBILITY < 3 MILES
3. FORMATION TAKE OFF OR LANDING IS PROHIBITED WHEN CROSSWIND COMPONENT > 15 KTS.
4. LEAD MUST NOT USE MORE THAN 90° OF BANK OR LOWER THAN 90 KTS OF AIRSPEED IN FINGERTIP FORMATION
5. LOST WINGMAN CAN BE PRACTICED IN DESIGNATED AREA AND VMC ONLY

SPECIAL INSTRUCTION (NIGHT FLYING)

1. BRIEF BEFORE NIGHT FLYING
2. FLASHLIGHT MUST BE CARRIED DURING FLIGHT
3. PILOTS WHO ARE GOING TO FLY AT NIGHT MUST NOT FLY AFTER 0200 PM ON THAT DAY AND TOTAL FLYING TIME OF THE DAY (INCLUDING THE NIGHT FLIGHT) MUST NOT EXCEED FIVE HOURS
4. PILOTS WHO FLY AT NIGHT MUST HAVE AT LEAST 10 HOURS OF SLEEP
5. NO AEROBATICS PERMITTED DURING NIGHT FLYING

10 RULES FOR SAFE FLIGHT (RSF) FOR LOW LEVEL

1. PLAN EVERY LOW LEVEL FLIGHT METICULOUSLY PLAN THE FLIGHT AND FLY THE PLAN.
2. DO NOT CONTINUE A LOW LEVEL FLIGHT IN MARGINAL WEATHER.
3. FLY LOW OR SLOW, NEVER LOW AND SLOW.
4. BE ALERT FOR UNEXPECTED, LOOK AROUND, AND VISOR DOWN.
5. PLAN THE ESCAPE ROUTES.
6. DO NOT TURN ON TIME ALONE IN THE HILLS OR MOUNTAINS.
7. MONITOR THE ALTIMETER.
8. CLIMB IF YOU HAVE BECOME DISORIENTED.
9. LEAVE LOW LEVEL FOR AEROBATIC.
10. KEEP CURRENT, FLY SAFE

FOR SOLO AIRCRAFT

1. CHECK WEATHER CONDITION BEFORE FLIGHT
2. DO NOT EXERCISE OVER THE TOP MANEUVERS
3. DO NOT PRACTICE MANEUVERS DESIGNATED “FOR DUAL ONLY MANEUVERS”
4. VACATE ONLY LONG FORWARD TAXIWAY

FOR DUAL ONLY MANEUVERS

(SOLO STUDENT WILL NOT PRACTICE)

1. POWER OFF STALL
2. UNUSUAL RECOVERIES
3. SPINS
4. NO-FLAP PATTERN OR LANDING
5. STRAIGHT-IN APPROACH
6. SLOW FLIGHT
7. ROLLING TAKE OFF
8. LOW CLOSED PATTERN
9. SIMULATED RUNAWAY TRIM
10. SIMULATED LOST WINGMAN PROCEDURES
11. PRACTICE FORCED LANDING