US00D594061S

(12) **United States Design Patent**
Kudimi

(10) **Patent No.: US D594,061 S**
(45) **Date of Patent: ** Jun. 9, 2009**

(54) **FLIGHT PLANNING MASTER ORGANIZER LOG**

(76) Inventor: **Eric Kudimi**, 4201 N. Main, St., Suite 262, Fort Worth, TX (US) 76106-2749

(**) Term: **14 Years**

(21) Appl. No.: **29/271,238**

(22) Filed: **Jan. 12, 2007**

(51) **LOC (9) Cl.** **19-06**
(52) **U.S. Cl.** **D19/52**
(58) **Field of Classification Search** D19/33, D19/63, 26, 20, 2, 1; 434/78, 430, 157; 283/66.1, 283/2; 281/5, 15.1; 40/109
See application file for complete search history.

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Primary Examiner—Cathron C Brooks
Assistant Examiner—Austin Murphy

(57) **CLAIM**

The ornamental design for the flight planning master organizer log, as shown and described.

DESCRIPTION

FIG. **1** is panel one of the front of the flight planning master organizer log, shown separately for convenience of illustration;

FIG. **2** is panel two of the front of the flight planning master organizer log, shown separately for convenience of illustration;

FIG. **3** is panel three of the front of the flight planning master organizer log, shown separately for convenience of illustration;

FIG. **4** is panel one of the backside of the flight planning master organizer log, shown separately for convenience of illustration;

FIG. **5** is panel two of the backside of the flight planning master organizer log, shown separately for convenience of illustration;

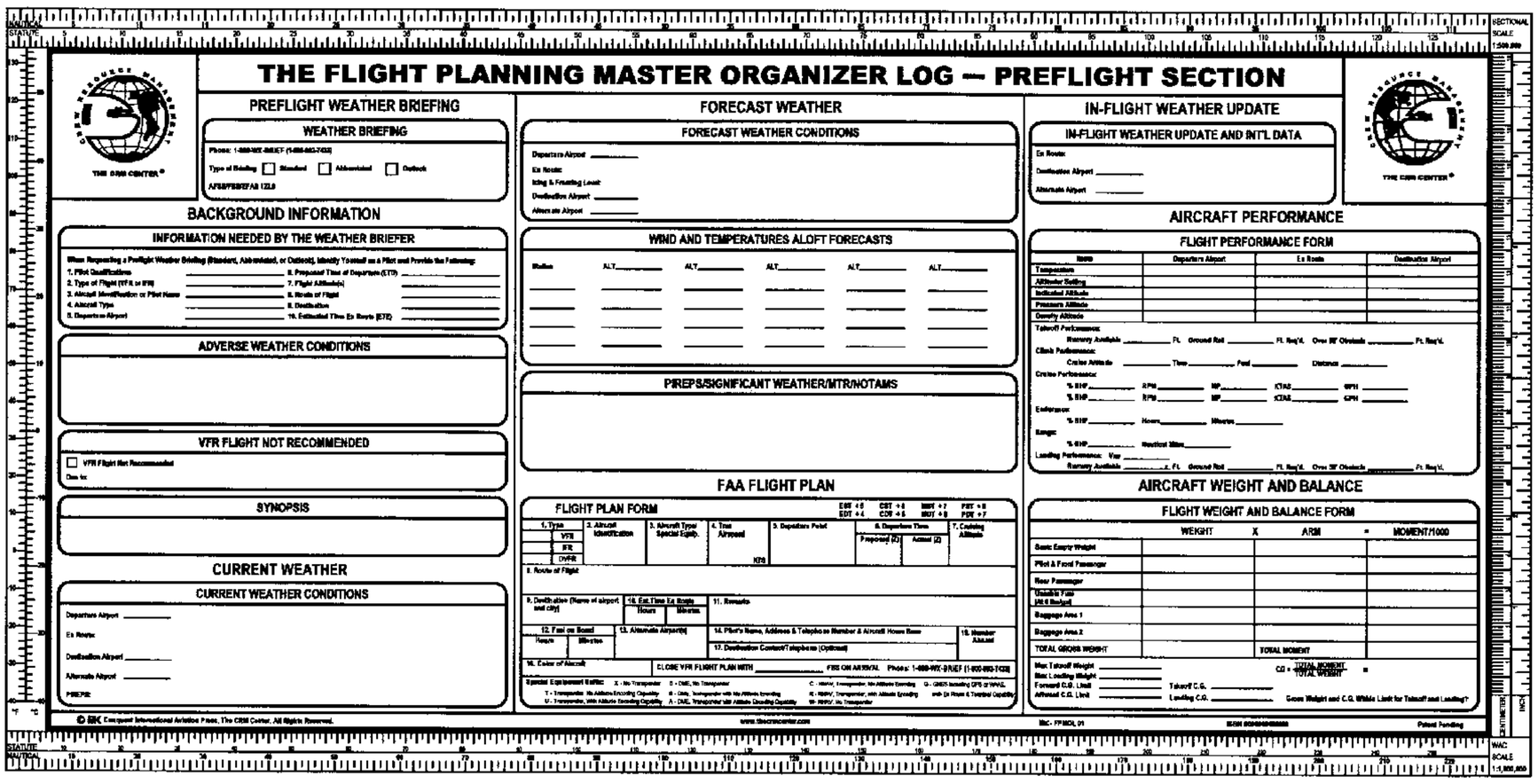
FIG. **6** is panel three of the backside of the flight planning master organizer log, shown separately for convenience of illustration;

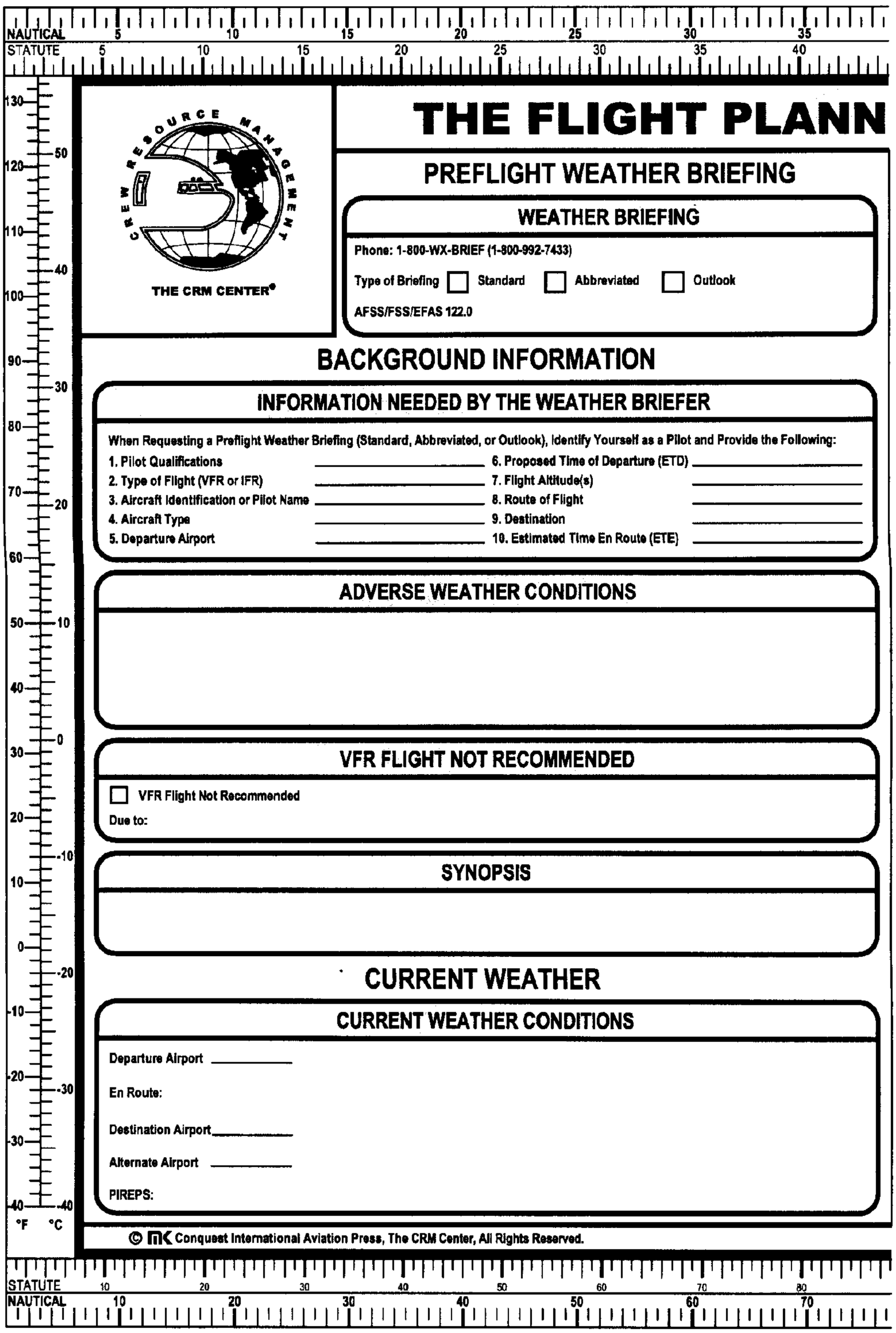
FIG. **7** is a front view of the flight planning master organizer log, showing panels **1**–**3** combined to depict the entire front side of the flight planning master organizer log; and,

FIG. **8** is a rear view of the flight planning master organizer log, showing panels **4**–**6** combined to depict the entire back side of the flight planning master organizer.

The "Aircraft Cockpit and Globe" logo and "Crew Resource Management, the CRM Center," trademark/service marks forming part of the claimed design are registered trademark/service marks belonging to Dr. Eric Kudimi.

1 Claim, 8 Drawing Sheets




NAUTICAL 5 10 15 20 25 30 35
STATUTE 5 10 15 20 25 30 35 40
130 50 120 110 40 100 90 30 80 70 20 60 50 10 40 0 30 20 -10 10 0 -20 -10 -30 -20 -40 -30 -40
°F °C
CREW RESOURCE MANAGEMENT
THE CRM CENTER®
THE FLIGHT PLANN
PREFLIGHT WEATHER BRIEFING
WEATHER BRIEFING
Phone: 1-800-WX-BRIEF (1-800-992-7433)
Type of Briefing ☐ Standard ☐ Abbreviated ☐ Outlook
AFSS/FSS/EFAS 122.0
BACKGROUND INFORMATION
INFORMATION NEEDED BY THE WEATHER BRIEFER
When Requesting a Preflight Weather Briefing (Standard, Abbreviated, or Outlook), Identify Yourself as a Pilot and Provide the Following:
1. Pilot Qualifications
2. Type of Flight (VFR or IFR)
3. Aircraft Identification or Pilot Name
4. Aircraft Type
5. Departure Airport
6. Proposed Time of Departure (ETD)
7. Flight Altitude(s)
8. Route of Flight
9. Destination
10. Estimated Time En Route (ETE)
ADVERSE WEATHER CONDITIONS
VFR FLIGHT NOT RECOMMENDED
☐ VFR Flight Not Recommended
Due to:
SYNOPSIS
CURRENT WEATHER
CURRENT WEATHER CONDITIONS
Departure Airport
En Route:
Destination Airport
Alternate Airport
PIREPS:
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STATUTE 10 20 30 40 50 60 70 80
NAUTICAL 10 20 30 40 50 60 70

Fig. 1

ING MASTER ORGANIZER LOG — PR

FORECAST WEATHER

FORECAST WEATHER CONDITIONS

Departure Airport _____

En Route:

Icing & Freezing Level:

Destination Airport _____

Alternate Airport _____

WIND AND TEMPERATURES ALOFT FORECASTS

Station	ALT_____	ALT_____	ALT_____	ALT_____	ALT_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

PIREPS/SIGNIFICANT WEATHER/MTR/NOTAMS

FAA FLIGHT PLAN

FLIGHT PLAN FORM

EST +5 CST +6 MST +7 PST +8
EDT +4 CDT +5 MDT +6 PDT +7

1. Type		2. Aircraft Identification	3. Aircraft Type/ Special Equip.	4. True Airspeed	5. Departure Point	6. Departure Time		7. Cruising Altitude
	VFR					Proposed (Z)	Actual (Z)	
	IFR							
	DVFR			KTS				

8. Route of Flight

9. Destination (Name of airport and city)	10. Est.Time En Route		11. Remarks
	Hours	Minutes	

12. Fuel on Board		13. Alternate Airport(s)	14. Pilot's Name, Address & Telephone Number & Aircraft Home Base	15. Number Aboard
Hours	Minutes		17. Destination Contact/Telephone (Optional)	

16. Color of Aircraft

CLOSE VFR FLIGHT PLAN WITH_____ FSS ON ARRIVAL Phone: 1-800-WX-BRIEF (1-800-992-7433)

Special Equipment Suffix: X - No Transponder; D - DME, No Transponder; C - RNAV, Transponder, No Altitude Encoding; G - GNSS Including GPS or WAAS, with En Route & Terminal Capability; T - Transponder, No Altitude Encoding Capability; B - DME, Transponder with No Altitude Encoding; R - RNAV, Transponder, with Altitude Encoding; U - Transponder, With Altitude Encoding Capability; A - DME, Transponder with Altitude Encoding Capability; W - RNAV, No Transponder

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Fig. 2

SECTIONAL SCALE 1:500,000

EFLIGHT SECTION

IN-FLIGHT WEATHER UPDATE

IN-FLIGHT WEATHER UPDATE AND INT'L DATA

En Route:

Destination Airport _____

Alternate Airport _____

CREW RESOURCE MANAGEMENT

THE CRM CENTER®

AIRCRAFT PERFORMANCE

FLIGHT PERFORMANCE FORM

Items	Departure Airport	En Route	Destination Airport
Temperature			
Altimeter Setting			
Indicated Altitude			
Pressure Altitude			
Density Altitude			

Takeoff Performance:

Runway Available _____ Ft. Ground Roll _____ Ft. Req'd. Over 50' Obstacle _____ Ft. Req'd.

Climb Performance:

Cruise Altitude _____ Time _____ Fuel _____ Distance _____

Cruise Performance:

% BHP _____ RPM _____ MP _____ KTAS _____ GPH _____

% BHP _____ RPM _____ MP _____ KTAS _____ GPH _____

Endurance:

% BHP _____ Hours _____ Minutes _____

Range:

% BHP _____ Nautical Miles _____

Landing Performance: V_{REF} _____

Runway Available _____ Ft. Ground Roll _____ Ft. Req'd. Over 50' Obstacle _____ Ft. Req'd.

AIRCRAFT WEIGHT AND BALANCE

FLIGHT WEIGHT AND BALANCE FORM

	WEIGHT	X ARM	= MOMENT/1000
Basic Empty Weight			
Pilot & Front Passenger			
Rear Passenger			
Useable Fuel (At 6 lbs/gal)			
Baggage Area 1			
Baggage Area 2			
TOTAL GROSS WEIGHT		TOTAL MOMENT	

Max Takeoff Weight _____

Max Loading Weight _____

Forward C.G. Limit _____

Aftward C.G. Limit _____

Takeoff C.G. _____

Landing C.G. _____

$CG = \frac{\text{TOTAL MOMENT}}{\text{TOTAL WEIGHT}} =$

Gross Weight and C.G. Within Limit for Takeoff and Landing?

CENTIMETER INCH

CRK- FPMOL 01 ISBN 0000000000000 Patent Pending

WAC SCALE 1:1,000,000

Fig. 3

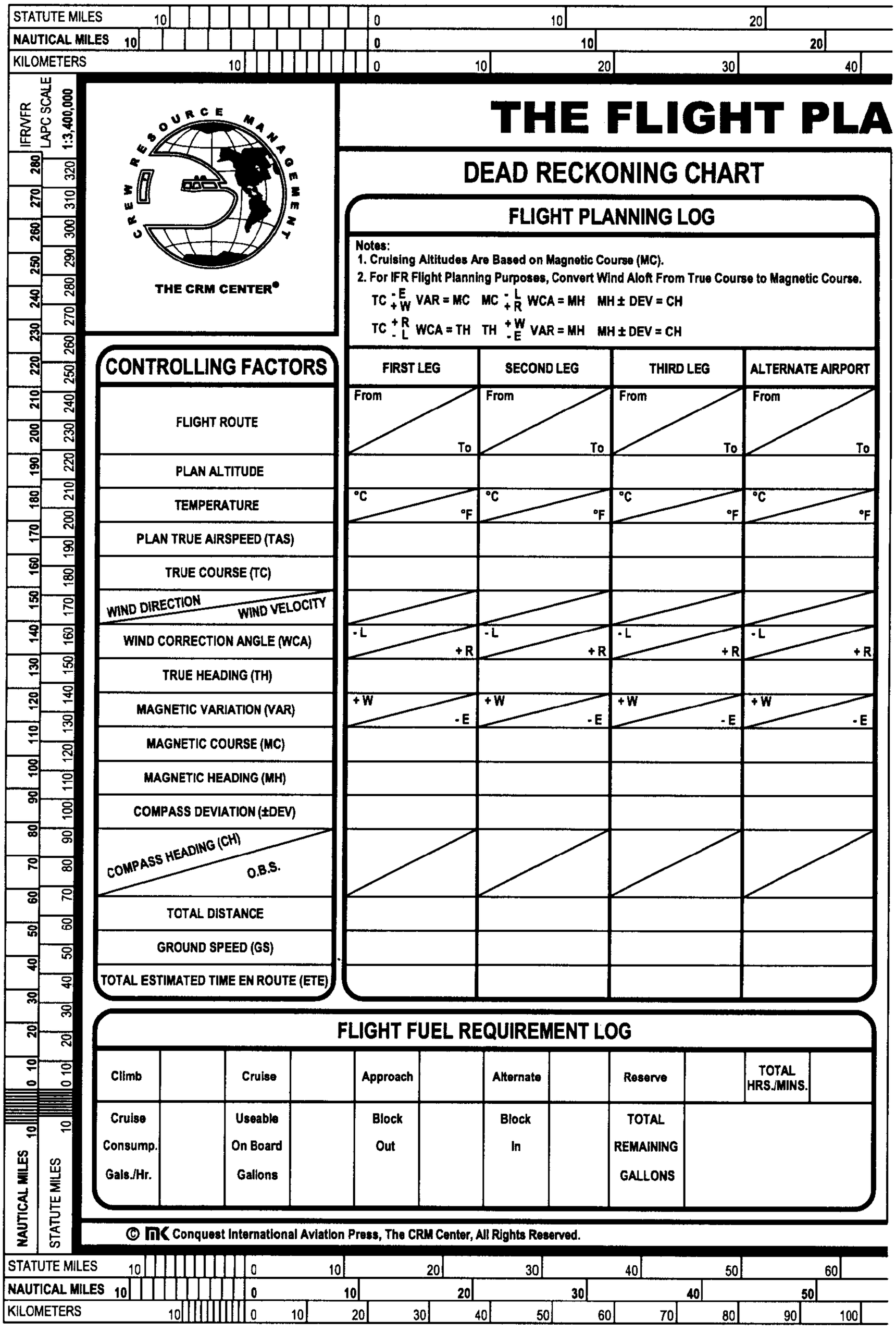
STATUTE MILES
NAUTICAL MILES
KILOMETERS
IFR/VFR LAPC SCALE 1:3,400,000
THE CRM CENTER®
THE FLIGHT PLA
DEAD RECKONING CHART
FLIGHT PLANNING LOG
Notes:
1. Cruising Altitudes Are Based on Magnetic Course (MC).
2. For IFR Flight Planning Purposes, Convert Wind Aloft From True Course to Magnetic Course.
TC -E +W VAR = MC MC -L +R WCA = MH MH ± DEV = CH
TC +R -L WCA = TH TH +W -E VAR = MH MH ± DEV = CH
CONTROLLING FACTORS
FLIGHT ROUTE
PLAN ALTITUDE
TEMPERATURE
PLAN TRUE AIRSPEED (TAS)
TRUE COURSE (TC)
WIND DIRECTION
WIND VELOCITY
WIND CORRECTION ANGLE (WCA)
TRUE HEADING (TH)
MAGNETIC VARIATION (VAR)
MAGNETIC COURSE (MC)
MAGNETIC HEADING (MH)
COMPASS DEVIATION (±DEV)
COMPASS HEADING (CH)
O.B.S.
TOTAL DISTANCE
GROUND SPEED (GS)
TOTAL ESTIMATED TIME EN ROUTE (ETE)
FIRST LEG
SECOND LEG
THIRD LEG
ALTERNATE AIRPORT
From
To
°C
°F
-L
+R
+W
-E
FLIGHT FUEL REQUIREMENT LOG
Climb
Cruise
Approach
Alternate
Reserve
TOTAL HRS./MINS.
Cruise Consump. Gals./Hr.
Useable On Board Gallons
Block Out
Block In
TOTAL REMAINING GALLONS
NAUTICAL MILES
STATUTE MILES
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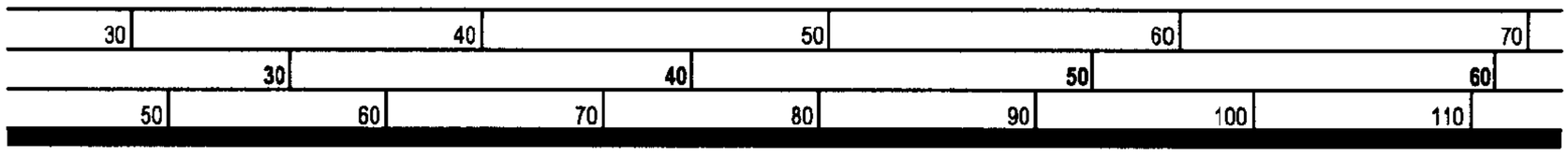
Fig. 4



NNING MASTER ORGANIZER LOG —

AIR NAVIGATION CHART

FLIGHT NAVIGATION LOG

Aircraft ID _____ Departure Airport _____ Destination Airport _____ Date _____

Clearances/Notes/Remarks:

_____

_____

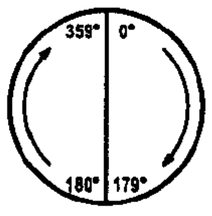
_____

FLIGHT NAVIGATION PARTICULARS

DEPARTURE POINT CHECK POINTS/ FIXES	NAV ID / FREQ	MAG CRS/ HDG	ALTITUDE	CH / EST / ACT	DIST / LEG / REM	GS / EST / ACT	TIME OFF: / ETE / ATE	ETA / ATA	FUEL / LEG / REM
ARRIVAL	CLOSE YOUR FLIGHT PLAN?			TOTALS					

VFR AND IFR CRUISING ALTITUDES

VFR or On Top Even Thousands MSL Plus 500 (4,500'; 6,500'; etc.)
IFR Even Thousands MSL (4,000'; 6,000'; etc.)
VFR Cruising Altitude Rule Applies Above 3,000' AGL
and Below 18,000' MSL Unless Authorized by ATC



VFR or On Top Odd Thousands MSL Plus 500 (3,500'; 5,500'; etc.)
IFR Odd Thousands MSL (3,000'; 5,000'; etc.)
ATC May Assign Different IFR Altitudes
IFR Outside Controlled Airspace All Courses Are Magnetic

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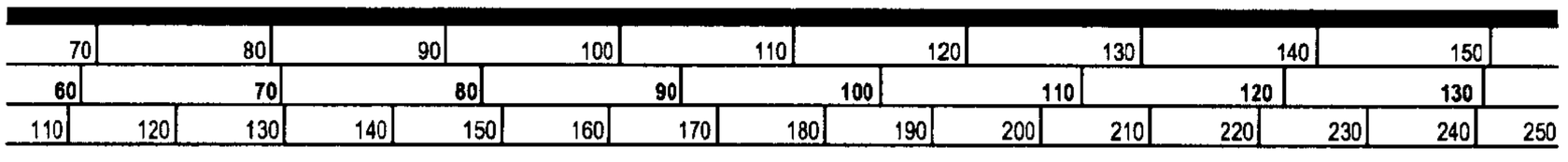


Fig. 5

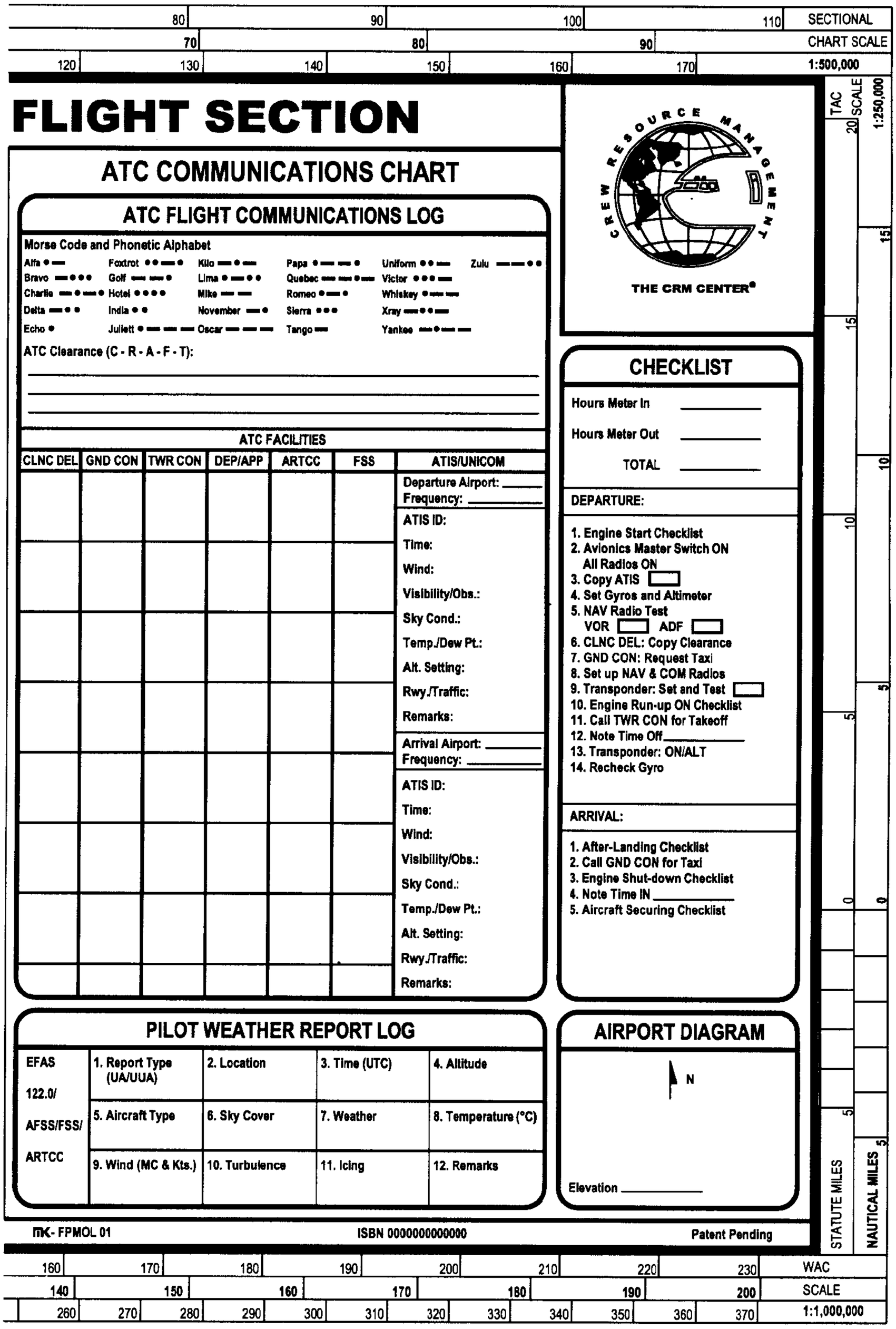
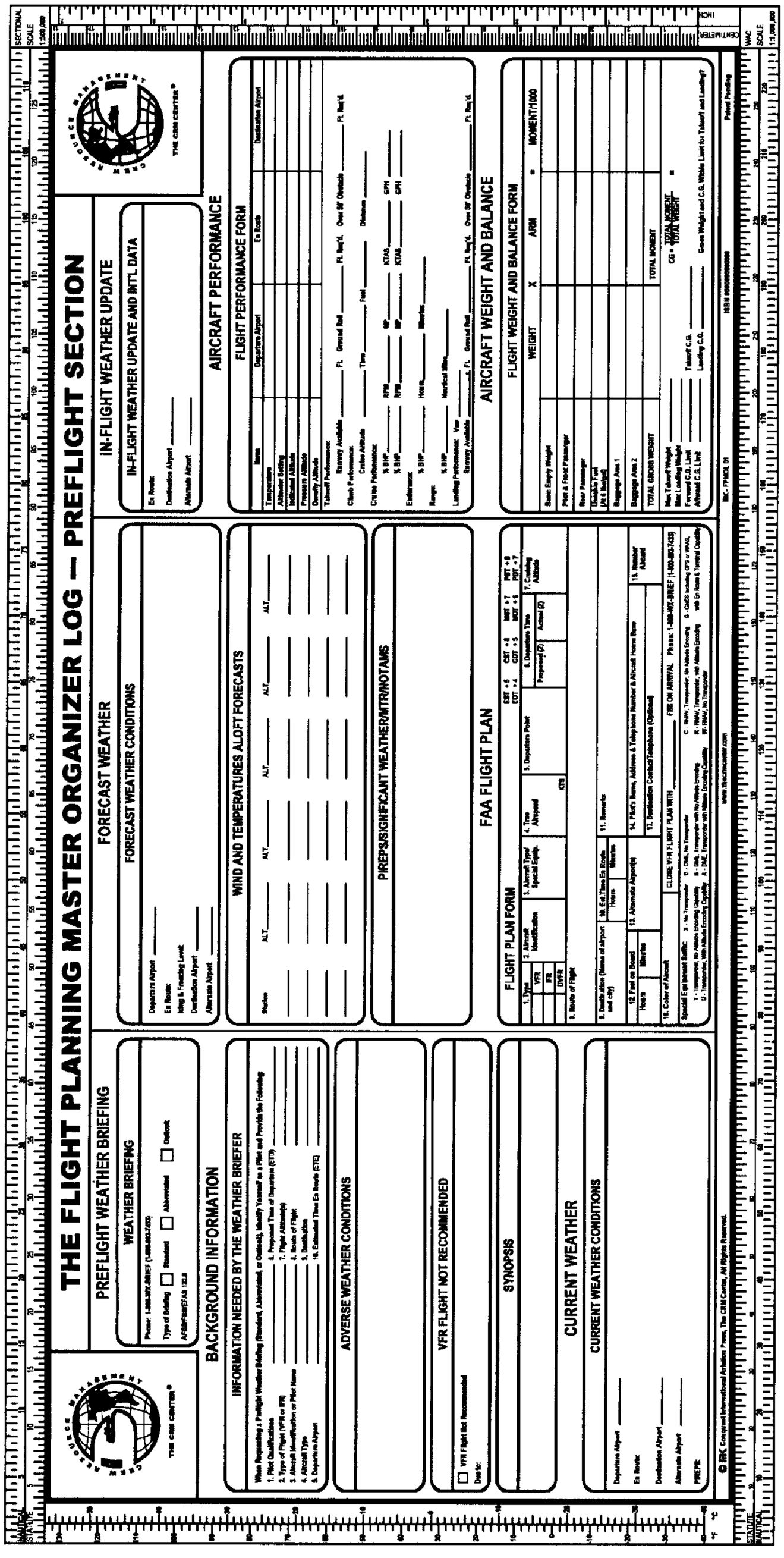

80 90 100 110 SECTIONAL
70 80 90 CHART SCALE
120 130 140 150 160 170 1:500,000
FLIGHT SECTION
ATC COMMUNICATIONS CHART
ATC FLIGHT COMMUNICATIONS LOG
Morse Code and Phonetic Alphabet
Alfa ● — Foxtrot ● ● — ● Kilo — ● — Papa ● — — ● Uniform ● ● — Zulu — — ● ●
Bravo — ● ● ● Golf — — ● Lima ● — ● ● Quebec — — ● — Victor ● ● ● —
Charlie — ● — ● Hotel ● ● ● ● Mike — — Romeo ● — ● Whiskey ● — — —
Delta — ● ● India ● ● November — ● Sierra ● ● ● Xray — ● ● —
Echo ● Juliett ● — — — Oscar — — — Tango — Yankee — ● — —
ATC Clearance (C - R - A - F - T):
ATC FACILITIES
CLNC DEL | GND CON | TWR CON | DEP/APP | ARTCC | FSS | ATIS/UNICOM
Departure Airport:
Frequency:
ATIS ID:
Time:
Wind:
Visibility/Obs.:
Sky Cond.:
Temp./Dew Pt.:
Alt. Setting:
Rwy./Traffic:
Remarks:
Arrival Airport:
Frequency:
ATIS ID:
Time:
Wind:
Visibility/Obs.:
Sky Cond.:
Temp./Dew Pt.:
Alt. Setting:
Rwy./Traffic:
Remarks:
CREW RESOURCE MANAGEMENT
THE CRM CENTER®
CHECKLIST
Hours Meter In
Hours Meter Out
TOTAL
DEPARTURE:
1. Engine Start Checklist
2. Avionics Master Switch ON
All Radios ON
3. Copy ATIS
4. Set Gyros and Altimeter
5. NAV Radio Test
VOR ADF
6. CLNC DEL: Copy Clearance
7. GND CON: Request Taxi
8. Set up NAV & COM Radios
9. Transponder: Set and Test
10. Engine Run-up ON Checklist
11. Call TWR CON for Takeoff
12. Note Time Off
13. Transponder: ON/ALT
14. Recheck Gyro
ARRIVAL:
1. After-Landing Checklist
2. Call GND CON for Taxi
3. Engine Shut-down Checklist
4. Note Time IN
5. Aircraft Securing Checklist
PILOT WEATHER REPORT LOG
EFAS 122.0/ AFSS/FSS/ ARTCC
1. Report Type (UA/UUA)
2. Location
3. Time (UTC)
4. Altitude
5. Aircraft Type
6. Sky Cover
7. Weather
8. Temperature (°C)
9. Wind (MC & Kts.)
10. Turbulence
11. Icing
12. Remarks
AIRPORT DIAGRAM
N
Elevation
TAC SCALE 1:250,000
20 15 10 5 0
15 10 5 0
STATUTE MILES 5
NAUTICAL MILES 5
mK- FPMOL 01
ISBN 0000000000000
Patent Pending
160 170 180 190 200 210 220 230 WAC
140 150 160 170 180 190 200 SCALE
260 270 280 290 300 310 320 330 340 350 360 370 1:1,000,000

Fig. 6


THE FLIGHT PLANNING MASTER ORGANIZER LOG — PREFLIGHT SECTION
FORECAST WEATHER
FORECAST WEATHER CONDITIONS
Departure Airport
En Route:
Icing & Freezing Level:
Destination Airport
Alternate Airport
WIND AND TEMPERATURES ALOFT FORECASTS
Station
ALT
PIREPS/SIGNIFICANT WEATHER/MTR/NOTAMS
AIRCRAFT PERFORMANCE
FLIGHT PERFORMANCE FORM
Departure Airport
En Route
Destination Airport
AIRCRAFT WEIGHT AND BALANCE
FLIGHT WEIGHT AND BALANCE FORM
WEIGHT
ARM
MOMENT/1000
TOTAL MOMENT
IN-FLIGHT WEATHER UPDATE AND INT'L DATA
IN-FLIGHT WEATHER UPDATE
En Route:
Destination Airport
Alternate Airport
Items
Temperature
Altimeter Setting
Indicated Altitude
Pressure Altitude
Density Altitude
Takeoff Performance:
Runway Available
Climb Performance:
Cruise Altitude
Cruise Performance:
% BHP
RPM
Endurance:
Hours
Range:
Nautical Miles
Landing Performance:
Basic Empty Weight
Pilot & Front Passenger
Rear Passenger
Useable Fuel (At 6 lbs/gal)
Baggage Area 1
Baggage Area 2
TOTAL GROSS WEIGHT
Max Takeoff Weight
Max Landing Weight
Forward C.G. Limit
Aftmost C.G. Limit
FLIGHT PLAN FORM
FAA FLIGHT PLAN
EST +5 EDT +4
CST +6 CDT +5
MST +7 MDT +6
PST +8 PDT +7
1. Type
VFR
IFR
DVFR
2. Aircraft Identification
3. Aircraft Type/ Special Equip.
4. Time Airspeed
5. Departure Point
6. Departure Time
Proposed (Z)
Actual (Z)
7. Cruising Altitude
8. Route of Flight
9. Destination
10. Est. Time En Route
Hours
Minutes
11. Remarks
12. Fuel on Board
13. Alternate Airport(s)
14. Pilot's Name, Address & Telephone Number & Aircraft Home Base
15. Number Aboard
16. Color of Aircraft
17. Destination Contact/Telephone (Optional)
CLOSE VFR FLIGHT PLAN WITH _____ FSS ON ARRIVAL
Special Equipment Suffix: X - No Transponder
T - Transponder, No Altitude Encoding Capability
U - Transponder, With Altitude Encoding Capability
D - DME, No Transponder
B - DME, Transponder with No Altitude Encoding
A - DME, Transponder with Altitude Encoding Capability
C - RNAV, Transponder, No Altitude Encoding
R - RNAV, Transponder, with Altitude Encoding
W - RNAV, No Transponder
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WEATHER BRIEFING
Phone: 1-800-WX-BRIEF (1-800-992-7433)
Type of Briefing: Standard Abbreviated Outlook
AFSS/FSS/DUAT/AS 122.0
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INFORMATION NEEDED BY THE WEATHER BRIEFER
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4. Aircraft Type
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6. Proposed Time of Departure (ETD)
7. Flight Altitude(s)
8. Route of Flight
9. Destination
10. Estimated Time En Route (ETE)
ADVERSE WEATHER CONDITIONS
VFR FLIGHT NOT RECOMMENDED
VFR Flight Not Recommended
Due to:
SYNOPSIS
CURRENT WEATHER
CURRENT WEATHER CONDITIONS
Departure Airport
En Route:
Destination Airport
Alternate Airport
PREFR:
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Fig. 7

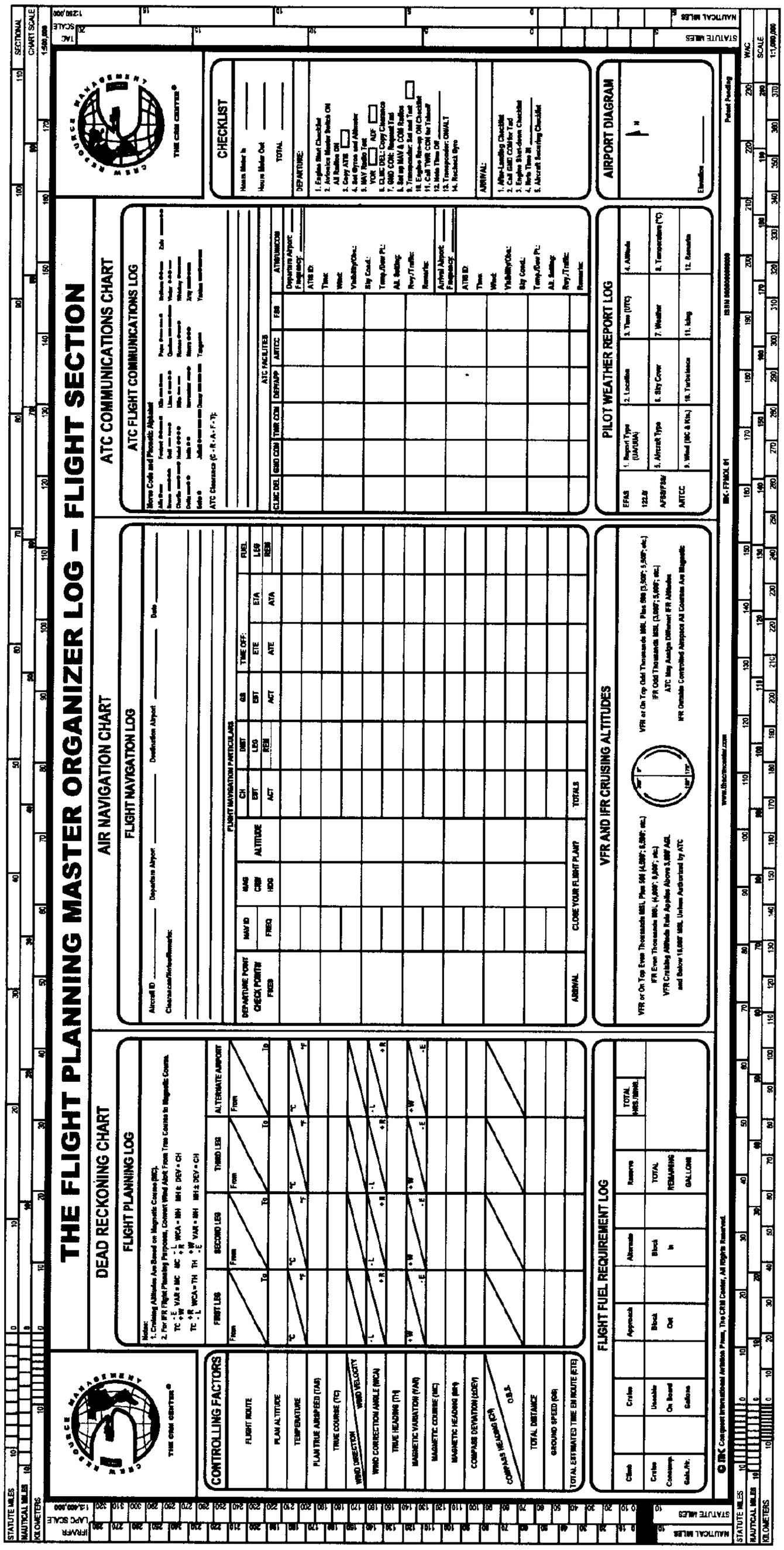
THE FLIGHT PLANNING MASTER ORGANIZER LOG — FLIGHT SECTION
ATC COMMUNICATIONS CHART
ATC FLIGHT COMMUNICATIONS LOG
AIR NAVIGATION CHART
FLIGHT NAVIGATION LOG
CHECKLIST
AIRPORT DIAGRAM
PILOT WEATHER REPORT LOG
VFR AND IFR CRUISING ALTITUDES
THE FLIGHT PLANNING MASTER ORGANIZER LOG — NAVIGATION SECTION
DEAD RECKONING CHART
FLIGHT PLANNING LOG
CONTROLLING FACTORS
FLIGHT FUEL REQUIREMENT LOG

Fig. 8