

C-141 FLIGHT SIMULATOR - MISSION 7MISSION

This mission will be devoted to cold weather procedures and emergencies typical of those encountered in cold weather. Flight Nr. 1 will be a transport mission from Itazuke AB, Japan to Osan AB, Korea. Flight Nr. 2 will be from Osan to Yokota AB, Japan. Emphasis will be on instrument failures, engine/wing anti-ice, pitot heat failures, and turbulent air procedures.

AIRDROME  
INFORMATION

Itazuke AB - active runway 33, length 9250', RCR 12 wet runway  
Osan AB - active runway 09, runway length 9000', RCR 8, NOTAMS:  
Ice on runway and taxiways. Snowbanks 4' high on sides of  
runway and taxiway. Radar not available.  
Yokota AB - active runway 36, runway length 11,000'.

AIRCRAFT  
INFORMATION

Ramp fuel Itazuki: 90,000 lbs, 65,000 lbs at Osan, operating  
weight 134,240, cargo wt 55,000 lbs to Osan, 60,000 lbs to  
Yokota, C.G. 30.8%. Plan engine anti-ice on for both takeoffs,  
engine anti-ice and wing anti-ice on for go-around.

NOTE: Kimpo is a suitable Osan alternate.  
Misawa is a suitable Yokota alternate.

NOTE: You will complete a TOLD card for the flight on which you  
will be the pilot.

OBJECTIVE

At the completion of this mission you should be able to:

1. Compute a TOLD card, using the Dash 1-1 for all situations.
2. Properly operate all adverse weather systems in normal and emergency situations.
3. State the procedures and restrictions for turbulent air penetration.
4. State the procedures, speeds, signals and configurations for ditching.
5. Follow the proper procedures while operating in icing conditions.
6. Take the proper corrective action for:
  - a. CADC failure
  - b. Stall prevention system failure
  - c. Elevator feel malfunction
  - d. Yaw damper fault or failure
  - e. Smoke and fume elimination
7. Properly perform copilot duties during all phases of operation.

FLIGHT PLAN			
PRIORITY INDICATOR	ADDRESSEE(S) INDICATOR(S)		
FILING TIME	ORIGINATOR INDICATOR		
SPECIFIC IDENTIFICATION OF ADDRESSEE(S) AND OR ORIGINATOR			
1 DESCRIPTION	6 AIRCRAFT IDENTIFICATION	8 FLIGHT RULES AND STATUS	
<≡ (FPL	= T	= I <≡	
9 NUMBER AND TYPE OF AIRCRAFT	10 COM	EQUIPMENT	SR
= 2222	= R	/ R	/ J <≡
13 AERODROME OF DEPARTURE TIME	FIR BOUNDARIES & ESTIMATED TIMES		
= RJFF 2000	→ RKT T 2025 <≡		
15 SPEED LEVEL	ROUTE		
= 0440 F310	→ CRUISER A-88 OSN <≡		
17 AERODROME OF DESTINATION TIME	ALTERNATE AERODROME(S)		
= RKSD 2110	→ RKSS <≡		
18 OTHER INFORMATION			
= RMK/TYP/C141			
19 ENDURANCE	PERSONS ON BOARD	SUPPLEMENTARY INFORMATION	
= FUEL/0725	→ POB/	→ RDO/ <del>215</del> → 243 → <del>500</del> → 8364 <≡	
EQUIPMENT	LIFE JACKETS	FREQUENCY	
POLAR → DESERT → MARITIME → JUNGLE → JACKETS → LIGHT → FLUORESCIN →	<≡		
DINGHIES	COLOR	NUMBER	TOTAL CAPACITY OTHER EQUIPMENT
DINGHIES → COVER	YELLOW	3	60 → RMK/ FLARES CPI
	Name of pilot-in-command	Signature of pilot-in-command or designated representative	
<≡	DOE	John A. Doe	

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1 DESCRIPTION	6 AIRCRAFT IDENTIFICATION	8 FLIGHT RULES AND STATUS
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9 NUMBER AND TYPE OF AIRCRAFT	10 COM	EQUIPMENT
= 2222	= R / R / J	NRV SER
13 AERODROME OF DEPARTURE TIME	FIR BOUNDARIES & ESTIMATED TIMES	
= RKSD 2200	→ RJTG 2230	
15 SPEED LEVEL	ROUTE	
= 0450 F290	→ A88 TAG, G95 JED, J30V KCT, YOK	
17 AERODROME OF DESTINATION TIME	ALTERNATE AERODROME(S)	
= RJTY 2330	→ RJSM	
18 OTHER INFORMATION		
= RMK/TYP/GI41		
19 ENDURANCE PERSONS ON BOARD SUPPLEMENTARY INFORMATION EMERGENCY & SURVIVAL EQUIPMENT		
= FUEL/ 0545	→POB/	→RDO/ 21.5 → 243 → 500 → 8354
EQUIPMENT	LIFE JACKETS	FREQUENCY
PEAR → DESERT → MARITIME → JUNGLE → JACKETS → LIGHT → FLUORESCIN →		
DINGHIES	COLOUR	NUMBER TOTAL CAPACITY OTHER EQUIPMENT
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FLIGHT WEATHER BRIEFING						
<b>I. MISSION</b>						
DEP/ETD <b>1400 Z</b>	DEST/ETA <b>1630 Z</b>	ALTN/ETA <b>1700 Z</b>	BRIEFING NO.	DATE <b>20 APR 1971</b>	ACFT/NUMBER <b>C-141 4516</b>	
<b>II. TAKEOFF DATA</b>						
RUNWAY TEMP <b>0 °C</b>	DEWPOINT °C	SFC WIND <b>36015/20</b>	TEMP DEV °C	PRESSURE ALT <b>-89 FT</b>	DENSITY ALT FT	RCR <b>12</b>
CLIMB WINDS <b>34035</b>			LOCAL WEA WARNING OR MET WATCH ADVISORY <b>NONE</b>			
REMARKS/TAKEOFF ALTN FCST						
<b>III. ENROUTE DATA</b>						
FLT LEVEL <b>310</b>		FLT LEVEL WINDS/TEMP <b>RJFF - RKSO 33070 -35</b>				
CLOUDS AT FLT LEVEL <input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> IN AND OUT		MINIMUM VISIBILITY AT FLT LEVEL OUTSIDE CLOUDS <b>1</b> MILES, DUE TO <input type="checkbox"/> SMOKE <input type="checkbox"/> DUST <input type="checkbox"/> HAZE <input type="checkbox"/> FOG <input type="checkbox"/> PRECIPITATION <input type="checkbox"/> NO OBSTRUCTION				
MINIMUM CEILING <b>800 FT AGL</b>	LOCATION <b>VCNTY RKSO</b>	MAXIMUM CLOUDS TOPS <b>350 FT MSL</b>	LOCATION <b>RJFF-RKSO</b>	MINIMUM FREEZING LEVEL <b>SFC</b>	LOCATION <b>OVR LAND</b>	
THUNDERSTORMS (within fifty miles of route)	TURBULENCE (within ten miles of route not associated with TSTMS)	ICING (within ten miles of route not associated with TSTMS)		PRECIPITATION (within ten miles of route not associated with TSTMS)		
MWWA NO. <b>7</b>	CAT ADVISORY <b>20/0600 Z</b>		NONE		NONE <b>X</b>	
<input type="checkbox"/> NONE <input type="checkbox"/> AREA <input type="checkbox"/> LINE	<input type="checkbox"/> NONE <input type="checkbox"/> IN CLEAR <input type="checkbox"/> IN CLOUD	<input type="checkbox"/> TRACE	<input type="checkbox"/> RIME <input type="checkbox"/> MIXED <input type="checkbox"/> CLEAR	<input type="checkbox"/> LIGHT	<input type="checkbox"/> DRIZ <input type="checkbox"/> RAIN <input type="checkbox"/> SNOW <input type="checkbox"/> SLEET	
ISOLATED 1-2%	LIGHT			LIGHT		
FEW 3-15%	MOD	<input checked="" type="checkbox"/>		MOD		
SCATTERED 16-45%	SVR		<input checked="" type="checkbox"/>	HEAVY		
NUMEROUS-MORE THAN 45%	EXTREME			SHWRS		
HAIL, SVR TURB, SEVERE ICING, AND PRECIPITATION EXPECTED IN AND NEAR TSTMS	LEVELS <b>240-370</b>	LEVELS <b>200-320</b>	LOCATION			
LOCATION	LOCATION <b>ALG JET STREAM</b>	LOCATION <b>KOREA STRAIT</b>				
<b>IV. TERMINAL FORECASTS</b>						
DESTINATION	CLOUD LAYERS	VIS/WEA	SFC WIND	ALTIMETER	VALID TIME	
<b>RKSO</b>	<b>8SC 08 (CIG)</b>	<b>25NSH</b>	<b>16015</b>	<b>29.94 NS</b>	<b>1530Z TO 1730 Z</b>	
ALTERNATE <b>RKSS</b>	<b>8SC 12 (CIG)</b>	<b>35NSH</b>	<b>17015</b>	<b>29.96 INS</b>	<b>1600 Z TO 1800 Z</b>	
INTMED STOP				INS	Z TO	Z
INTMED STOP				INS	Z TO	Z
<b>V. COMMENTS/REMARKS</b>						
<b>RKSO TEMP -6°C PA -17 FT</b>						
<b>RKSS TEMP -8°C PA +10 FT</b>						
<b>MDT MXD ICG IN NSH ON DESCENT TO RKSO AND RKSS</b>						
<b>VI. BRIEFING RECORD</b>						
BRIEFED ON LATEST RCR FOR DEST AND ALTN <input checked="" type="checkbox"/> YES <input type="checkbox"/> NOT AVAILABLE				VOID TIME		
REQUEST PIREP AT <b>TSU ISLAND</b>				EXTENDED TO		
SEE FLIMSY NO.	WEA BRIEFED <b>1200 Z</b>	FORECASTER'S SIGNATURE <b>Capt M.J. Staker</b>		WEA REBRIEFED AT		
				FORECASTER'S INITIALS		
WEA FCLTY	TAPE NO.	START Z	STOP Z	PHONE CHARGE	NAME OF PERSON RECEIVING BRIEFING	