

WEIGHT AND BALANCE CLEARANCE FORM F TRANSPORT

Cross Reference
RAF Form 2870
ROAF Form F. 115 C
80M 5-51 (6797)

FOR USE IN
T. O. 1-1B-40 &
AN 01-1B-40

(USE REVERSE FOR TACTICAL MISSIONS)

DATE 16 JAN 74	AIRCRAFT TYPE C-141A	FROM Richmond	HOME STATION Norton AFB
MISSION/TRIP/FLIGHT/NO. PBP 826	SERIAL NO. 65216	TO Christchurch	PILOT GRIFFIN, LT

LIMITATIONS				REF	ITEM	WEIGHT	INDEX OR MOM	
CONDITION	TAKEOFF	LANDING	LIMITING WING FUEL					
2 ALLOWABLE GROSS WEIGHT	323100	257500	204620	1	BASIC AIRCRAFT (From Chart C)	135098	12635	
TOTAL AIRCRAFT WEIGHT (Ref. 11)	208626			2	OIL (19.4 Gal.)	137	10	
OPERATING WEIGHT PLUS ESTIMATED LANDING FUEL WEIGHT		160526		3	CREW (No.) 98-10 (11)	2000	83	
OPERATING WEIGHT (Ref. 8)			140526	4	CREW'S BAGGAGE SUSA D	500	26	
ALLOWABLE LOAD (Ref. 12) (use SMALLEST figure)	114474	86974	64094	5	STEWARD'S EQUIPMENT C-1 MOD	167	8	
3 PERMISSIBLE C. G. TAKEOFF	FROM 17.3% TO (% M.A.C. ONLY) 33.4%			6	EMERGENCY EQUIPMENT JAW	1562	141	
4 PERMISSIBLE C. G. LANDING	FROM 17% TO (% M.A.C. ONLY) 33.4%			7	EXTRA EQUIPMENT MR-55-4	1061	66	
5 LANDING FUEL WEIGHT	20000 1961			8	OPERATING WEIGHT	140526	12969	
REMARKS	2 Triple Seats in REF 7				9	TAKEOFF FUEL (LBS Gal.)	68100	6513
TOTAL FREIGHT	12644			10	WATER INJ. FLUID (N/A Gal.)			
TOTAL MAIL	0			11	TOTAL AIRCRAFT WEIGHT	208626	19487	
COMPUTER PLATE NUMBER (If used)	CHARLES MATH				12 DISTRIBUTION OF ALLOWABLE LOAD (PAYLOAD)			

COMPT	UPPER COMPARTMENTS				LOWER COMPARTMENTS			
	PASSENGERS		CARGO	COMPT STA	PASSENGERS		CARGO	
	NO.	WEIGHT			NO.	WEIGHT		
A				D	2	320	320	17
B								
C			SBD	601			4010	249
D								
E				801			3969	318
F								
G				891			2390	213
H								
I				981			1915	198
J								
K			SBD	1360			360	49
L								
M								
N								
O								
P								
FWD BELLY								
AFT BELLY								
SUBTOTAL							12964	1034
CORRECTIONS (Ref. 14)				13	TAKEOFF CONDITION (Uncorrected)		221590	20516
CHANGES (+ or -)				14	CORRECTIONS (If required)			
COMPT	ITEM	WEIGHT	INDEX OR MOM/10000	15	TAKEOFF CONDITION (Corrected)			
				16	TAKEOFF C. G. IN % M. A. C. OR IN.		25.1%	
				17	LESS FUEL		48100	4546
				18	LESS AIR SUPPLY LOAD DROPPED			
				19	MISC. VARIABLES			
				20	ESTIMATED LANDING CONDITION		173490	15970
				21	ESTIMATED LANDING C. G. IN % M. A. C. OR IN.		25.1%	
COMPUTED BY				SIGNATURE				
Sgt Joseph P. Yerald J5MAS				N/A				
WEIGHT AND BALANCE AUTHORITY				SIGNATURE				
TOTAL WEIGHT REMOVED				SIGNATURE				
TOTAL WEIGHT ADDED				SIGNATURE				
NET DIFFERENCE (Ref. 14)				SIGNATURE				

NOTE.—THIS TRANSPORT CLEARANCE FORM HAS RESULTED FROM TRIPARTITE AGREEMENT AND NO FURTHER CHANGES MAY BE MADE TO IT WITHOUT PRIOR CONSIDERATION BY TRIPARTITE AUTHORITIES.

WEIGHT AND BALANCE CLEARANCE FORM F

TACTICAL
(USE REVERSE FOR TRANSPORT MISSIONS)

FOR USE IN
T. O. 1-1B-40 &
AN 01-1B-40

DATE	AIRCRAFT TYPE	FROM	HOME STATION
MISSION/TRIP/FLIGHT/NO.	SERIAL NO.	TO	PILOT
REMARKS	REF.	ITEM	WEIGHT
	1	BASIC AIRCRAFT (From Chart C)	
	2	OIL (Gal.)	
	3	DISTRIBUTION OF LOAD	
	COMPT.	CREW NO. WEIGHT	BAGGAGE
COMPUTER PLATE NO. (If used)			

Pertinent instructions to the pilot for shifting load and crew during takeoff and landing should be noted above.				4	OPERATING WEIGHT		
				5	COMPT.	ROUNDS	CALIBER
CORRECTIONS (Ref. 11)				AMMUNITION			
COMPT.	ITEM	CHANGES (+ or -)					
		WEIGHT	INDEX OR MOM/				
				BOMBS, ROCKETS, ETC.	6	FORWARD	
						AFT	
						EXTERNAL	
				FUEL	7	BUILT IN (Gal.)	
						BOMB BAY (Gal.)	
						EXTERNAL (Gal.)	
				8	WATER INJ. FLUID (Gal.)		
TOTAL WEIGHT REMOVED	-	-		9	JATO OR RATO		
TOTAL WEIGHT ADDED	+	+		10	TAKEOFF CONDITION (Uncorrected)		
NET DIFFERENCE (Ref. 11)				11	CORRECTIONS (If required)		
				12	TAKEOFF CONDITION (Corrected)		
				13	TAKEOFF C. G. IN % M. A. C. OR IN.		
LIMITATIONS				LESS EXPENDABLES	14	JATO OR RATO	
GROSS WT. TAKEOFF (lb.)		GROSS WT. LANDING (lb.)				BOMBS	
PERMISSIBLE C. G. TAKEOFF		FROM	TO (% M. A. C. or IN.)			AMMUNITION	
PERMISSIBLE C. G. LANDING		FROM	TO (% M. A. C. or IN.)		15	FUEL	
				16	ESTIMATED LANDING C. G. IN % M. A. C. OR IN.		

1 Enter constant used.
 2 Enter values from current applicable T. O.
 3 Applicable to gross weight (Ref. 12).
 4 Applicable to gross weight (Ref. 15).

COMPUTED BY (Signature)
 WEIGHT AND BALANCE AUTHORITY (Signature)
 PILOT (Signature)

