# BY ORDER OF THE SECRETARY OF THE AIR FORCE

AIR FORCE MANUAL 11-2C-5 VOLUME 3 ADDENDA-A

12 JUNE 2023



C-5 OPERATIONS CONFIGURATION
AND MISSION PLANNING



#### COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

ACCESSIBILITY: Publications and forms are available for downloading or ordering on the e-

Publishing website at www.e-Publishing.af.mil

**RELEASABILITY:** There are no releasability restrictions on this publication.

OPR: AMC/A3V Certified by: AF/A3T

(Maj Gen Albert G. Miller)

Supersedes: AFI11-2C-5V3\_ADDENDA-A, Pages: 27

22 February 2019

This publication implements Air Force Policy Directive (AFPD) 11-2, Aircrew Operations, and supports Air Force Instruction (AFI) 11-200, Aircrew Training, Standardization/Evaluation, and General Operations Structure, and AFMAN 11-202, Vol 3, Flight Operations, by establishing specific guidance for the operation of the C-5 aircraft. This is a specialized publication intended for use by Airmen who have graduated from technical training related to this publication. This instruction applies to all commanders, operations supervisors, and aircrew assigned or attached to all flying activities of commands operating C-5 aircraft. This publication applies to the Regular Air Force and the Air Force Reserve. This publication does not apply to the United States Space Force and the Air National Guard. Ensure all records generated as a result of processes prescribed in this publication adhere to Air Force Instruction 33-322, Records Management and Information Governance Program, and are disposed in accordance with the Air Force Records Disposition Schedule, which is in the Air Force Records Information Management System. Refer recommended changes and questions about this publication to the office of primary responsibility (OPR) using the Department of the Air Force (DAF) Form 847, Recommendation for Change of Publication; route DAF Form 847 from the field through the appropriate functional chain of command. This publication may be supplemented at any level, but all supplements must be routed to the OPR of this publication for coordination prior to certification and approval. The authorities to waive wing/unit level requirements in this publication are identified with a tier ("T-0, T-1, T-2, T-3") number following the compliance statement. See Department of the Air Force Manual (DAFMAN) 90-161, Publishing Processes and Procedures, for a description of the authorities associated with the tier numbers. Submit requests for waivers through the chain of command to

the appropriate tier waiver approval authority, or alternately, to the requestor's commander for non-tiered compliance items.

#### **SUMMARY OF CHANGES**

This document has been revised and should be completely reviewed. Changes include maneuver load limitations and weight limitation restrictions. Minimum required equipment for programmed depot maintenance (PDM) Input. Added jacking Department of Defense (DD) Form 365-4, *Weight and Balance Clearance Form F Transport/Tactical* procedures and anti-Exposure suit weight, also corrects the Glossary of References and Supporting Information.

Chapt	er 1–	-GENERAL INFORMATION	4
	1.1.	General	4
	1.2.	Airplane Coding.	4
	1.3.	Roles and Responsibility.	4
	1.4.	Standard Configuration Codes.	4
	1.5.	Deviations and Waivers.	4
	1.6.	Weight and Balance	4
	1.7.	Changes and Supplements.	4
	1.8.	References	4
Table	1.1.	Standard Configuration Codes.	4
Chapt	er 2—	-CONSOLIDATED EQUIPMENT TABLES	5
	2.1.	Scope.	5
	2.2.	Aircraft Life Sustaining Equipment (ALSE).	5
Table	2.1.	Standard Equipment.	5
Table	2.2.	Required Equipment.	7
Table	2.3.	Minimum Required Equipment for PDM Input.	9
Chapt	er 3—	-CONFIGURATION AND REQUIRED EQUIPMENT WEIGHT AND	
		BALANCE DATA	12
	3.1.	Scope.	12
	3.2.	General	12
	3.3.	Legend of Configurations.	12
Table	3.1.	CP-1, CP-2, and CP-3 Standard Configuration Quantities.	12
Table	3.2.	{S} C-1, C-2, and C-3 Standard Configuration (All Channel Missions)  Ouantities.	13

٨	FI	<b>/</b>	۸ħ	<b>V</b> 1	1 1	1-20	~_5	V	2 A	I	Т	I	N	n	٨	_ ^	1	17	T	TI	N	F	2	በ	73
Н			4	N.		-2		) V .	$\mathcal{D}H$	V.	ш	, r	17	.,	$\rightarrow$	- /-		L	.,	U	IN	L		٧J.	4.7

Chapte	er 4—L	OAD PLANNING	15
	4.1.	Scope.	15
	4.2.	General	15
	4.3.	Planning for the Loading and Placement of Hazardous Cargo.	15
	4.4.	Personnel Limitation with One Lavatory Inoperative on Airplanes Equipped with a Recirculating Fluid Flush System.	16
Γable	4.1.	Standard Weight Information.	16
Figure	4.1.	Personnel Limitation with One Lavatory Inoperative on Airplanes Equipped with a Recirculating Fluid Flush System	18
Attach	ment 1-	-GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION	19
Attach	ment 2–	-INSTRUCTIONS DD FORM 365-4 (WEIGHT AND BALANCE CLEARANCE FORM F) Compliance with attachment is mandatory	22
Attach	ment 3-	-INSTRUCTIONS DD FORM 365-4 (C-5M AIRCRAFT JACKING)	

COMPLIANCE WITH ATTACHMENT IS MANDATORY

#### GENERAL INFORMATION

- **1.1. General.** This manual establishes basic configurations, standard equipment, and equipment location aboard the C-5. Included are weight and balance and standard weight and moment data for use in completing DD Form 365-4, *Weight and Balance Clearance Form F Transport/Tactical*.
- **1.2. Airplane Coding.** This manual provides coverage for C-5 and C-5 space canister modified (SCM) airplanes. C-5 SCM airplanes are designated by the letter {S}. Portions of this instruction are designated using these symbols to indicate applicability to the C-5 SCM airplanes. Items not designated as applicable to {S} airplanes are applicable to all C-5 aircraft.
- **1.3. Roles and Responsibility.** Air Force units performing services on the C-5 airplane, e.g., terminal services, support equipment branch, and Aircrew Flight Equipment are responsible for configuring the aircraft with the equipment listed in this manual or as outlined in mission directives. This includes stowage or installation of the equipment according to the configurations in this manual and applicable installation directives. During preflight, aircrew personnel ensure that required mission equipment has been provided and properly serviced, installed, or stowed.
- **1.4. Standard Configuration Codes.** Use the letter codes in **Table 1.1** when referring to C-5 configurations. The number that identifies the configuration capability follows the letter code. Each configuration code is normally indicated in the mission directive.
- **1.5. Deviations and Waivers.** Configurations in this manual may require deviations for specific mission requirements. Specific mission directives identify the basic configuration and any deviations. For example, a Phoenix Banner mission carrying presidential helicopters may require an additional winch. Deviations may require changes to weight and balance calculations.
- **1.6. Weight and Balance.** To standardize equipment quantities and locations, items shown in **Table 2.1** are included in the basic weight of the aircraft and remain on the aircraft except for maintenance and inspection. Equipment in **Table 2.2** is pre-positioned for all local training and operational missions to meet standard configurations listed in **Table 3.1** and is entered in reference 5, 6, or 7 of DD Form 365-4. To standardize equipment quantities and locations for PDM input, equipment shown in **Table 2.3** is pre-positioned per table notes.
- **1.7. Changes and Supplements.** See AFMAN 11-2C-5V3, C-5 Operations Procedures.
- **1.8. References.** See AFMAN 11-2C-5V3 and **Attachment 1** of this publication.

Table 1.1. Standard Configuration Codes.

CONFIGURATION CODES	MISSION
С	Cargo
СР	Cargo and Passengers

# CONSOLIDATED EQUIPMENT TABLES

- **2.1. Scope.** All airplanes are configured with the equipment listed in **Table 2.1**. This equipment is included in the aircraft basic weight. Items listed in **Table 2.2** are added only as necessary to attain standard configurations listed in **Table 3.1** and/or comply with mission directives. The equipment listed in **Table 2.3** provides minimum quantities required for PDM input.
- **2.2. Aircraft Life Sustaining Equipment (ALSE).** Configuration guidance can be found in Technical Order (T.O.) 1C-5M-1. Aircraft commander (AC) may request that additional equipment be positioned aboard the aircraft to accommodate aircrew and passenger increases, as required. However, units are required to ensure they do not exceed their total equipment authorizations per applicable allowance standards (AS). (T-1)
  - 2.2.1. Emergency equipment inspection dates will be valid for the planned duration of PDM timelines prior to depot input.
  - 2.2.2. Seats and cushions will be fully functional.

Table 2.1. Standard Equipment.

Item	Equipment	Quantity	Location/Remarks
1	Aldis lamp/filters	1	Located according to T.O. 1C-5M-1
2	AIR (Aviation Into-plane Reimbursement) Card	1	Air Force Technical Order (AFTO) Forms 781 binder
3	Cargo winch w/clevis	1	Winch compartment right butt line (RBL) 48 fuselage station (FS) 470/2020. Winch computed in aft compartment.
4	Cargo winch remote control grip assembly	1	Left side cargo compartment, FS 1220
5	Cord, interphone	As required	Located according to T.O. 1C-5M-1
6	Crash Axe {S}	3 2	Located according to T.O. 1C-5M-1 and T.O.1C-5M-1-2
7	Cryogenic vent nozzles	3	Loose equipment stowage container left side of cargo compartment FS 1774 and {S} airplanes FS 684
8	Detent locking tee	8	Container left side of cargo compartment FS 1774 {S} airplanes FS 684
9	Emergency exit light {S}	12 7	Located according to T.O. 1C-5M-1 and T.O.1C-5M-1-2
10	Escape descent reel	24	Located according to T.O. 1C-5M-1
11	Escape rope {S}	8	Located according to T.O. 1C-5M-1 and T.O.1C-5M-1-2
12	Escape slide {S}	5 1	Located according to T.O. 1C-5M-1 and T.O.1C-5M-1-2

13	Fire extinguisher	15/17	Located according to T.O. 1C-5M-1 and T.O.1C-
	{S}	10	5M-1-2 Note: Two 1-gallon extinguishers installed in cargo compartment, one on each side just forward of the center wing area on airplanes not equipped with FE 1301
14	First aid kit	22	Located according to T.O. 1C-5M-1
	<b>{S}</b>	7	Located according to T.O. 1C-5M-1-2
15	Gloves, aramid	1 pair	Stowage box in forward bunk room
16	Ground personnel restraint kit	1	Stowage box in forward bunk room
17	Kneeling collar	4	Loose equipment stowage container left side of cargo compartment, FS 684
18	Kneeling pad extend pin	1	Loose equipment stowage container left side of cargo compartment, FS 684
19	Ladder, rope (stowed)	1	Stowed under floor of courier compartment FS 962
20	Ladder, utility	1	Stowed as loose equipment in the cargo compartment
21	Life raft, 25-Person	4	Located according to T.O. 1C-5M-1 and T.O.1C-
	<b>{S}</b>	1	5M-1-2
22	Oil, engine (type according to T.O. 1C-5M-1)	72-quart	Stowed as loose equipment in a suitable container in the cargo compartment
23		48-quart	Stowed as loose equipment in a suitable container
23	according to T.O. 1C-5M-1)	10 quart	in the cargo compartment
24	Oven	3	One located in the relief crew and two in the troop
			compartment galleys
	{S}	1	Located in the relief crew galley
25	Oxygen bottle	16	Located according to T.O. 1C-5M-1 or 1C-M-1-2
	{S}	12	
26	Pallet stops	4	Loose equipment stowage container left and right FS 1774 and {S} airplanes FS 684
27	Pin, landing gear	5	Loose equipment stowage container left side of cargo compartment FS 684
28	Pistol Grip Remote Dispenser Cord	3	Located according to T.O. 1C-5M-1 and T.O.1C-5M-1-2
29	Left and Right Pressure door upper hinge lock block assembly.		Loose equipment stowage container right side of cargo compartment FS 1774 and {S} airplanes FS 684
20	F- valve safety guard	1	Leaded and the Control of the Contro
30	Protective Breathing	8	Located according to T.O. 1C-5M-1 and T.O.1C-
31	Equipment (PBE) Protective covers	33	5M-1-2 Located according to T.O. 1C-5M-1
32	Refrigerator	ეე 1	Located in the relief crew galley
<i>3</i> 2	remgerator	1	Located III the rener crew gainey

		2	Located in the troop compartment galley  Note: {S} airplanes do not contain a troop compartment galley
33	Seat, Flight Engineer Student	1	Installed at flight engineer station
34	Snatch block assembly	3	Right side of cargo compartment, FS 594 /1734 and left side FS 614
35	Strut limiter	1	Loose equipment stowage container left side of cargo compartment FS 684
36	Table, relief crew	1	Installed in relief crew compartment
37	Technical publications	1 set	Stowed according to T.O. 1C-5M-5-1 and 1C-5M-1
38	Tie-down equipment		
	MB-1 chains and devices (10,000-lb capacity)	75ea	Located according to T.O. 1C-5M-9, 1C-5M-9-1, 1C-5M-5-1 or 1C-5M-1-1
	MB-2 chains and devices (25,000-lb capacity)	75ea	
	CGU-1/B straps (5,000-lb capacity)	50	
39	Wheel chocks	4	Stowed as loose equipment in the cargo compartment

# Table 2.2. Required Equipment.

Item	Equipment	Quantity	Location/Remarks
1	Aircrew Body Armor (ABA) (see <b>Note</b> : 4)	10	Courier compartment baggage area
2	Anti-exposure suit (see <b>Note:</b> 7)	As required	Courier compartment baggage area
3	Backpack, Survival (see <b>Note:</b> 4)	As required	Courier compartment baggage area
4	Crew comfort items		
	Blankets, large	12	Relief crew bunk area
	Blankets, small	8	Courier compartment baggage area
	Coffee pot w/hot plate	1	Crew galley
	Container, water (5-gallon)	1	Relief crew baggage area
	Hot cup	1	Crew galley
	Pillows, large w/case	6	Relief crew bunk area
	Pillows, small w/case	8	Courier compartment baggage area
5	Emergency Equipment		
	Demo Bag (see <b>Note:</b> 9)		
		1	Troop compartment coat closet
	{S}	1	Courier compartment coat closet
6			

	Emergency Passenger	15	Relief crew and courier compartment
	Oxygen System (EPOS)(see	73	Troop Compartment
	<b>Note:</b> 1)		<b>Note:</b> {S} airplanes do not contain a troop
			compartment
7	Kit, Human Waste Clean- up	1	Troop compartment baggage area
8	Kit, Minimum Survival	1	Forward bunk room stowage box
	(MSK) (see <b>Note:</b> 6)		<b>Note:</b> {S} airplanes do not contain a troop
			compartment
9	Kit, Protective Clothing	2	Relief crew baggage compartment and troop
	(PCK)		compartment closet
			<b>Note:</b> {S} airplanes kits are stowed in the relief
			crew baggage compartment
10	Life preservers – crew and passenger		quired on overwater flights
	Life preserver, Adult/Child,		Flight deck
	(A/C) (see <b>Note:</b> 2, 3)	80	Troop compartment
			<b>Note:</b> {S} airplanes do not contain a troop
			compartment
	Life preserver Unit (LPU),	7	Troop compartment
	Infant Cot, IPU-6/P (see		<b>Note:</b> {S} airplanes do not contain a troop
	Note: 8)		compartment
11	Mask, 358-1506 Series		
		11	Flight deck
		6	Cargo compartment
		4	Troop compartment
			<b>Note:</b> {S} airplanes do not contain a troop
1.0			compartment
12	Mask, Speed-On	6	Flight deck bunk rooms
13	Mask, Passenger Oxygen	1.0	hu 1 5 1
		18	Flight Deck
		83	Troop compartment
			Note: {S} airplanes do not contain a troop
1.4	December of the second		compartment
14	Plantate amall	75	Tuesan segun entre ent
	Blankets, small	75	Troop compartment
			<b>Note:</b> {S} airplanes do not contain a troop
	Pillows, small	75	compartment Troop compartment
	rmows, sman	13	Troop compartment  Note: {S} airplanes do not contain a troop
			compartment
	Hot cup	1	Troop galley
	Hot cup	1	
	Coffee not w/het mlete	1	Note: {S} airplanes do not contain a troop galley
	Coffee pot w/hot plate	1	Troop galley  Note: {S} airplanes do not contain a troop galley
			prote. (5) ampianes do not contain a troop ganey

	Container, water (5-gallon)		Troop galley  Note: {S} airplanes do not contain a troop galley
15	Restraint harness, Aircrew, In-flight (Personnel Control Unit PCU-17/P) w/safety lanyard (Harness Belt Unit, HBU-6/P) (18'6")		Stowage box in the forward bunk room
16	Shoring Kit, plywood		
	12" X 12" X 1/2"	8	Stowed as loose equipment in the cargo
	12" X 12" X 3/4"	8	compartment
17	Vest, Survival (see <b>Note:</b> 4)	10	As Required

#### Notes:

- 1. EPOS is the preferred system for passenger smoke and fume protection. As a minimum, one EPOS is required per passenger. (**T-1**) Pre-position additional EPOS for increased scheduled passenger loads (**T-3**)
- 2. The A/C is the preferred life preserver unit (LPU) for passengers. As a minimum, one A/C is required for each passenger. (**T-1**) Pre-position additional LPUs to meet increased scheduled passenger loads. (**T-3**)
- 3. Aeromedical Evacuation Crewmember (AECM) and aircrew assigned to aircraft without parachutes may wear the A/C LPU. See AFMAN 11-2AE-V3 Addenda-A, *Aeromedical Evacuation Operations Configuration/Mission Planning*.
- 4. Survival Vests/Survival Backpacks and ABA are pre-positioned any time required by theater Special Instructions (SPINS). One ABA required for each crewmember. (**T-1**) Survival backpacks maybe used in-lieu of survival vests. (**T-1**)
- 5. Aircraft technical publications may consist of paper or electronic media.
- 6. One MSK must be installed in the forward bunk room stowage box for PDM input flights when life rafts are not installed.
- 7. Operations planners, schedulers, or crew request Anti-Exposure Suits for primary aircrew members on any missions planned to operate above 78 degrees north or below 60 degrees south latitude. If required, suits are be pre-positioned in the courier compartment baggage compartment.
- 8. The LPU-6/P infant cot is required for infants 18 months of age and younger. (**T-1**) Prepositional infant cots to meet increased scheduled passenger loads. (**T-3**)
- 9. One demo kit is installed in the troop compartment coat closet. (**T-3**) {S} airplanes have one kit installed in the courier compartment closet. (**T-3**)

<b>Table 2.3.</b>	Minimum	Required	Equipment	for I	'DM Input.
-------------------	---------	----------	-----------	-------	------------

Item	Equipment	Standard Quantity	PDM	Notes
			Input	
1	Aircrew Body Armor (ABA)	10	0	5
2	Anti-exposure Suit	As Required	0	5
3	Backpack, Survival	2	0	5
4	Crash Axe	3	2	7

5	Emergency Equipment Demo Bag	1	0	5
6	Emergency Exit Light	12	As	See Note: 6
			required	
7	Emergency Passenger Oxygen System (EPOS)	88	0	5
8	Escape slide	5	1	3
9	Fire Extinguishers	15/17	16	11
10	First aid kit	22	4	8
11	Gloves, aramid	1	1	11
12	Kit, Minimum Survival (MSK)	0	1	5
13	Kit, Protective Clothing (PCK)	2	0	5
14	Kneeling collar	4	4	11
15	Kneeling pad extend pin	1	1	11
16	Life preserver, Adult/Child, (A/C)	100	0	4
17	Life preserver, Infant Cot, LPU-6/P	7	0	5
18	Life raft, 25-Person	4	As	See Note: 2
	, in the second		required	
19	Mask, 358-1506 Series	21	5	1
20	Mask, Speed-On	6	0	5
21	Oxygen bottle	16	16	11
22	Pallet Stops	4	4	11
23	Pin, landing gear	5	5	11
24	Protective Breathing Equipment (PBE)	8	8	5
25	Restraint Harness, Aircrew, In-Flight, PCU-17/P	3	1	5
26	Seats			
	Head Rest	5	5	9
	Seat Cushions	5	5	9
	Back Cushions	5	5	9
	Seat, Flight Engineer Student	1	0	9
	Three-man seat	1	1	10
	Two-man seat	2	2	10
27	Service Door Safety Gate	2	2	12
28	Strut limiter	1	1	11
29	Tie-down equipment			
	MB-1 chains and devices (10,000-lb	75	10	11
	capacity)			
	MB-2 chains and devices (25,000-lb	75	10	11
	capacity)			
	CGU-1/B straps (5,000-lb capacity)	50	10	11
30	Vest, Survival	10	0	5
31	Wheel chocks	4	4	11
Note		1	<u> </u>	

- 1. One mask for each primary aircrew member is required. Guidance on Mask positions are provided in T.O. 1C-5M-1. Ensure the minimum number of mask-equipped oxygen bottles are available for scanner and loadmaster duties.
- 2. Life rafts are not required for overwater flights to and from PDM/Depot when route is within power off glide distance to land and MSK is installed. If required, one life raft is installed on the flight deck. Guidance on lift raft positions is provided in T.O. 1C-5M-1.
- 3. One escape slide remains installed in the relief crew compartment for PDM.
- 4. A/C life preservers are not required for overwater flights to and from PDM/Depot when route is within power off glide distance to land. If required, one preserver is installed for each primary aircrew member. (T-1)
- 5. See **Notes:** in **Table 2.2** for further explanation.
- 6. Required for all operative exits. (T-1) Troop compartment lights not required when compartment is unoccupied.
- 7. A minimum of one crash axe will be available on the flight deck and one available in the troop compartment. (**T-1**) **Note:** {S} only requires 1 crash axe.
- 8. Two on the flight station and two in the cargo compartment.
- 9. Installed in the Flight Station.
- 10. Installed in the Relief Crew Compartment.
- 11. See **Table 2.1**
- 12. One located in relief crew coat closet, and one located in the troop compartment coat closet.
- {S} only requires 1.

# CONFIGURATION AND REQUIRED EQUIPMENT WEIGHT AND BALANCE DATA

- **3.1. Scope.** This chapter contains basic cargo compartment configuration and weight, location, and moment data for associated required equipment.
- **3.2. General.** Deviations to the basic configurations are authorized only to meet specific mission requirements.

### 3.3. Legend of Configurations.

- 3.3.1. CP-1. This configuration offers 36 pallet positions and seats for 73 passengers in the troop compartment. All rollers are up in this configuration.
- 3.3.2. {S} C-1. This configuration offers 36 pallet positions. All rollers are up in this configuration.
- 3.3.3. CP-2. This configuration offers a clean cargo compartment floor for floor-loaded cargo and seats for 73 passengers in the troop compartment. All rollers are down in this configuration.
- 3.3.4. {S} C-2. This configuration offers a clean cargo compartment floor for floor-loaded cargo. All rollers are down in this configuration.
- 3.3.5. CP-3. This configuration offers a mixed combination of palletized cargo and floor-loaded cargo in the cargo compartment and seats for 73 passengers in the troop compartment. Rollers are positioned as the cargo dictates.
- 3.3.6. {S} C-3. This configuration offers a mixed combination of palletized cargo and floor-loaded cargo. Rollers are positioned as the cargo dictates.

Table 3.1. CP-1, CP-2, and CP-3 Standard Configuration Quantities.

*Asterisk items are	not required for	r local tra	aining mis	sions.			
		FLT	TP	CGO			
EQUIPMENT	STATIONS	STA	COMP	COMP	TOTAL	WEIGHT	MOM
Reference 5, DD Fo	rm 365-4 ( <i>Stew</i>	vard's Eg	quipment)				
Blankets, large	620	*12			12	42	0.3
Blankets, small	in seats	*8	*75		83	83	1.3
Coffee pot w/hot plate	840/2075	1	*1		2	4	
Expendable supplies	825/2080	1	*1		2	20	0.3
Hot cup	840/2075	1	*1		2	6	
Pillows, large	620	*6			6	12	0.1
Pillows, small	in seats	*8	*75		83	42	0.7
Water container, 5-gal (full)	840/2080	1	*2		3	150	2.4
				TOTAL	-	359	5.1

Reference 6, DD Fo	rm 365-4 ( <i>En</i>	nergenc	y Equipm	ent)			
Aircrew Body	960	10			10	80	0.8
Armor (ABA)							
Backpack, Survival	960	4			4	88	0.3
Emergency Equipment Demo Bag	2080		1		1	2.5	0.1
EPOS	718/1725	15	73		88	176	2.7
Kit, Human Waste Clean-up	2080			*1	1	2	0.0
Kit, Protective Clothing (PCK)	825/2080	1	1		2	70	1.0
Life preserver, Infant Cot, LPU-6/P	2080		*7		7	28	0.6
Life preserver, Adult/Child, (A/C)	718/1725	20	80		100	150	2.3
Vest, Survival	960	10			10	100	1.0
				ТОТА	L	652.5	8.9
Reference 7, DD Fo	rm 365-4 ( <i>Ex</i>	tra Equi	ipment)				<b>'</b>
Flares	324/1669/ 1731				180	148	2.2
Shoring kit, plywood	443			1	1	28	0.1
				ТОТА	L	176	2.3
Additional Extra Eq	uipment (As ]	Require	d by Miss	ion Direct	ives)		
Winch (C-5), dual power	470			1	1	514	2.4
Winch (C-5), electric	470			1	1	300	1.4
Winch (C-5), hydraulic	470			1	1	329	1.5

Table 3.2.  $\{S\}$  C-1, C-2, and C-3 Standard Configuration (All Channel Missions) Quantities.

*Asterisk items are	not required for	r local tra	ining miss	sions.			
		FLT	TP	CGO			
EQUIPMENT	STATIONS	STA	COMP	COMP	TOTAL	WEIGHT	MOM
Reference 5, DD Fo	orm 365-4 ( <i>Stew</i>	ard's Eq	uipment)				
Blankets, large	620	*12			12	42	0.3
Blankets, small	in seats	*8			8	8	0.0
Coffee pot w/hot	840	1			1	2	0.0
plate							

		1		I .		
825	1			1	5	0.0
840/2075	1			1	3	0.0
620	*6			6	12	0.1
in seats	*8			8	4	0.0
840	1			1	50	0.4
			TOTAL		359	5.1
rm 365-4 ( <i>Eme</i>	rgency E	<i>[quipment]</i>			•	•
940	1			1	5	0.0
718	15			15	30	0.1
2080			*1	1	2	0.0
825	1	1		2	70	1.0
718	20			20	30	0.1
			TOTAL	•	137	1.2
rm 365-4 ( <i>Extr</i>	a Equipn	nent)				
324/1669/ 1731				180	148	2.2
443			1	1	28	0.1
			TOTAL		176	2.3
uipment (As Re	equired b	y Mission	Directives	)		
470			1	1	514	2.4
470			1	1	300	1.4
470			1	1	329	1.5
	840/2075 620 in seats 840  rm 365-4 (Eme 940  718 2080  825 718  rm 365-4 (Extr 324/1669/ 1731 443  uipment (As Re 470  470	840/2075	840/2075	840/2075	840/2075   1	840/2075   1

#### LOAD PLANNING

- **4.1. Scope.** This chapter contains information to assist personnel in load planning.
- **4.2. General. Table 4.1** contains standard weight information. The following factors must be considered during load planning:
  - 4.2.1. The cargo load will be planned so that the center-of-gravity of the loaded airplane falls within specified forward and aft limits. Guidance is provided in T.O. 1C-5M-5-2. Consideration must also be given to offload sequence, airplane limitations, and emergency jettisoning. For fuel efficiency, plan for a zero-fuel center-of-gravity of approximately 38% of mean aerodynamic chord (MAC) or 36% when passengers and baggage are not accounted for. **Note:** Any possible addition of passengers and baggage must be accounted for during planning to prevent the possibility of exceeding aircraft limitations. For example, if a full load of passengers and baggage could be added, initially load planning for a zero-fuel center-of-gravity of 36 percent of MAC would prevent exceeding aircraft center-of-gravity limitations.
  - 4.2.2. Pallets loaded in pallet positions 1, 2, 35, and 36 (forward and aft ramps) will have a 14-inch aisle way, which will extend from the outboard edge of the pallet to the vertical stacking line of the cargo. Guidance can be found in T.O. 1C-5M-9.
  - 4.2.3. No lateral overhang permitted for pallets loaded into the aircraft rail system. Ensure the maximum width of 104 inches of usable area of the pallet is not exceeded. Guidance can be found in T.O. 1C-5M- 9.
  - 4.2.4. The maximum height of cargo for pallet positions 35 and 36 (aft ramp) will not exceed 70 inches measured on the aft side of the pallet. Guidance can be found in T.O. 1C-5M-9.
  - 4.2.5. The weight limit on the forward or aft ramp is 7,500 pounds-per-pallet position. Guidance can be found in T.O. 1C-5M-9.
  - 4.2.6. {S} AFT cargo door configuration prohibits left or right straight in loading of palletized cargo into the logistics rail system. Guidance can be found in T.O. 1C-5M-9-1.
  - 4.2.7. When 20 or more passengers or troops are planned, a pallet position must be left open to accommodate the palletized baggage. (**T-3**) If a pallet is not available, the loadmaster has the option to floor load passenger baggage in the open pallet position.
  - 4.2.8. When a pallet position is not available for baggage, additional seats (more than 20) may be released for passengers that have "Hand-Carried-Only baggage" that does not exceed the following dimensions: Length 21", Height: 12.5", Width 13" and the allowable cabin load (ACL) is not exceeded, and cargo configuration is maintained.
  - 4.2.9. Do not place cargo in a position that restricts the use of the flight deck or troop compartment ladders. Guidance is provided in T.O. 1C-5M-1 and T.O 1C-5M-9.
- **4.3. Planning for the Loading and Placement of Hazardous Cargo.** All classes of hazardous materials listed as acceptable for air transportation may be transported on the C-5 airplane. Hazardous cargo that is considered jettisonable must not be positioned forward of non-jettisonable cargo, i.e., vehicles, helicopters, pallet trains, etc., except when weight and location will permit

jettisoning by hand. Hazardous jettisonable cargo must be readily accessible and positioned for emergency jettison. Guidance is provided in T.O 1C-5M-9.

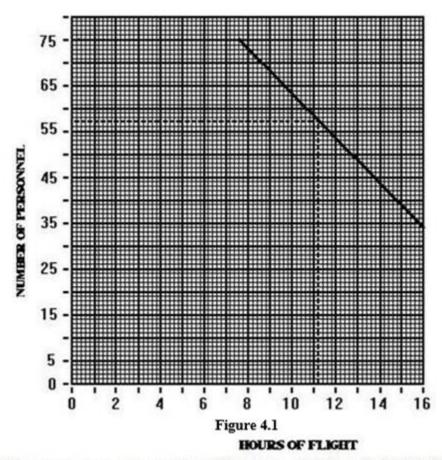
**4.4. Personnel Limitation with One Lavatory Inoperative on Airplanes Equipped with a Recirculating Fluid Flush System.** The Personnel Limitation Chart (**Figure 4.1**) reflects the number of passengers or troops that one troop compartment lavatory can accommodate and must be considered when determining the number of personnel that can be airlifted with one inoperative lavatory, guidance is provided in T.O. 1C-5M-1.

**Table 4.1. Standard Weight Information.** 

Item	Pounds
Aircrew Body Armor (ABA)	8
Anti-Exposure Suit	8
Backpack, Survival	22
Baggage, crew	50
Baggage, duty	100
Baggage, space-a	70
Blankets, large	3.5
Blankets, small	1
Chain, MB-1	7
Chain, MB-2	20
Coffee pot w/hot plate	2
Crew (each)	200
Device, MB-1 (CGU-4/E)	3.5
Device, MB-2 (CGU-3/E)	6
Emergency Passenger Oxygen System (EPOS)	2
Escape slide	
No. 3R and 3L exit	71.5 each
	<b>Note:</b> {S} airplanes do not contain a troop
	compartment
No. 4 and 6 exit	71 each
	<b>Note:</b> {S} airplanes do not contain a troop
	compartment
No. 5 exit	70
Flare	0.8
Fire extinguisher, portable (1 quart)	9
Fire extinguisher, portable (1 gallon)	68
Hot cup	3
Kit, human waste clean-up	2
Kit, protective clothing	35
Life raft	
No. 2 exit	151
No. 3R, 4, and 6 exits	136
	<b>Note:</b> {S} airplanes do not contain a troop
	compartment

T : C A 1 1, /C1 : 1 1 / A /C)	1 5
Life preserver, Adult/Child, (A/C)	1.5
Life preserver, Infant Cot, LPU-6/P	4
Mask, 358-series w/googles	1
Net, side (HCU-7/E)	22
Net, top (HCU-15/C)	21
Oil, engine, (type according to T.O. 1C-5M-1)	45
(one case)	
Oil, hydraulic, (type according to T.O. 1C-5M-1)	42
(one case)	
Oxygen bottle, portable	6
Oven	45
Pallet	290
Passenger, duty	210
Passenger, space-a	175
Pillows, large	2
Pillow, small	0.5
Protective Breathing Equipment (PBE)w/storage	5
case	
Refrigerator	227
Restraint harness, Aircrew, In-flight (PCU-17/P)	8.3
w/safety lanyard (HBU-6/P) (18'6")	
Sheet, set	5
Shoring	
Plywood, 1/2" x 4' x 8'	43
Plywood, 3/4" x 4' x 8'	64
Planking, 2" x 12" x 12'	72
Shoring kit, plywood	28
Strap, cargo (CGU-1/B)	4
Vest, Survival	10
Water container, 5-gallon (full)	50
Wheel chock (20-inch)	14
Winch (C-5), dual power	514
Winch (C-5), electric	300
Winch (C-5), hydraulic	329
Winch (heavy duty portable)	792

Figure 4.1. Personnel Limitation with One Lavatory Inoperative on Airplanes Equipped with a Recirculating Fluid Flush System.



**EXAMPLE:** How many passengers may be airlifted on an 11.2-hour flight? **SOLUTION:** Enter the graph on the horizontal scale of 11.2 hours. Project a line vertically until it intersects the sloping line and project a line horizontally to the left. At this point is the maximum figure of 57. **NOTES:** 

- 1. Two loadmasters must be subtracted from total number determined by chart.
- 2. Consideration should be given to infants and small children when figuring total personnel aboard.

JAMES C. SLIFE, Lt Gen, USAF Deputy Chief of Staff, Operations

#### **Attachment 1**

#### GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION

#### References

AFI 11-200, Aircrew Training, Standardization/Evaluation, and General Operations Structure, 03 May 2022

AFI 11-301V1, Aircrew Flight Equipment (AFE) Program, 09 January 2019

AFI 33-322, Records Management and Information Governance Program, 23 March 2020

AFMAN 11-202V3, Flight Operations, 10 January 2022

AFMAN 11-2C-5V3, C-5 Operations Procedures, 20 October 2022

AFMAN 11-301V2, Management and Configuration Requirements for Aircrew Flight Equipment (AFE), 13 February 2020

AFMAN 11-2AE-V3 Addenda-A, Aeromedical Evacuation Operations Configuration/Mission Planning, 16 June 2020

AFPD 11-2, Aircrew Operations, 31 January 2019

DAFI 90-160, Publications and Forms Management, 14 April 2022

T.O. 00-20-1, Aerospace Equipment Maintenance Inspection, Documentation, Policies, and Procedures, 11 July 2016

T.O. 1C-5M-1, Flight Manual, 01 May 2019

T.O. 1C-5M-1-1, Flight Manual, Appendix 1, 01 May 2019

T.O. 1C-5M-1-2, Partial Flight Manual, C-5M (SCM) Airplanes, 01 April 2016

T.O. 1C-5M-5-1, Basic Weight Checklist, 01 June 2017

T.O. 1C-5M-5-2, Loading Data Manual, 01 June 2017

T.O. 1C-5M-9, Loading Instructions Manual, 01 May 2019

T.O. 1C-5M-9-1, Partial Loading Instructions Manual, C-5M (SCM) Airplanes, 01 April 2016

#### Adopted Forms

DAF Form 847, Recommendation for Change of Publication, 22 September 2009

AFTO Form 781, ARMS Aircrew/Mission Flight Data Document, 03 July 2017

DD Form 365-3, Chart C, Basic Weight and Balance Record, 01 August 1996

DD Form 365-4, Weight and Balance Clearance Form-F-Transport/Tactical, 01 August 1996

#### Abbreviations and Acronyms

**ABA**—Aircrew Body Armor

**AC**—Aircraft Commander

**A/C**—Adult Child

**ACL**—Allowable Cabin Load

AECM—Aeromedical Evacuation Crew Member

**AFE**—Aircrew Flight Equipment

**AFI**—Air Force Instruction

**AFTO**—Air Force Technical Order

ALSE—Aircrew Life Sustaining Equipment

**ARMS**—Aviation resource Management Systems

**AS**—Allowance Standards

**CG**—Center of Gravity

**DAF**—Department of the Air Force

**DAFMAN**—Department of the Air Force Manual

**DD**—Department of Defense

**EPOS**—Emergency Passenger Oxygen System

**FS**—Fuselage Station

**GW**—Gross Weight

**HBU**—Harness Belt Unit

LPU—Life Preserver Unit

MAC—Mean Aerodynamic Chord

MSK—Minimum Survival Kit

**OPR**—Office of Primary Responsibility

**PBE**—Protective Breathing Equipment

**PCK**—Protective Clothing Kit

PCU—Personnel Control Unit

**PDM**—Programmed Depot Maintenance

**RBL**—Right Butt Line

**SCM**—Space Canister Modified

**SPINS**—Special Instructions

T.O.—Technical Order

**ZFW**—Zero Fuel Weight

**ZFWCG**—Zero Fuel Weight Center of Gravity

Office Symbols

AMC/A3V—Headquarters Air Mobility Command, Aircrew Standardization and Evaluation

AF/A3T—Headquarters U.S. Air Force, Director of Training and Readiness

#### **Attachment 2**

# INSTRUCTIONS DD FORM 365-4 (WEIGHT AND BALANCE CLEARANCE FORM F) COMPLIANCE WITH ATTACHMENT IS MANDATORY

- **A2.1.** DD Form 365-4 heading. Enter date, airplane type, departure station, home station of airplane, mission number, serial number, destination station (use station nomenclature, not symbols), and aircraft commander's rank and last name.
- **A2.2.** Limitations. Enter the appropriate weight and center of gravity (CG) limits for the planned mission by utilizing the corresponding sections in the flight manual and loading manual.
  - A2.2.1. Allowable takeoff gross weight (GW). The maximum takeoff GW is 840,000 pounds. Allowable takeoff GW may be further restricted by critical field length, obstacle clearance, rate of climb, or weight bearing capacity. Verify the allowable takeoff GW with the flight engineer.
  - A2.2.2. Allowable landing GW. The maximum landing weight is 840,000 pounds. When mission requirements dictate a weight above 635,850 pounds, consult T.O. 1C-5M-1, Section V, weight limitations, and document the associated allowable sink speed in the remarks section.
  - A2.2.3. Allowable zero fuel weight (ZFW). The maximum ZFW is 686,190 pounds unless nonstandard fuel sequence procedures are used, or aircraft is structurally restricted. Verify the allowable ZFW with the flight engineer.
- **A2.3.** Reference 1. Enter basic weight and moment from certified copy of DD Form 365-3 (Chart C) in the airplane weight and balance handbook.
- **A2.4.** Reference 2. Leave blank.
- **A2.5.** Reference 3. Enter crew number and location. Use T.O. 1C-5M-5-2, Table 2-2, for crew moment calculations.
- **A2.6.** Reference 4. Enter crew baggage at 50 pounds each. Additional weight should be added per crewmember when mobility bags are carried.
- **A2.7.** Reference 5, 6 and 7 (see **Chapter 3**). Enter weight and moment. Also, indicate configuration used.
- **A2.8.** Reference 8. Enter liquid nitrogen weight and moment. Use FS 1418 for liquid nitrogen moment computations.
- **A2.9.** Reference 9. The total of references 1 through 8.
- **A2.10.** Reference 10. Enter takeoff fuel (ramp fuel minus 3,000 pounds for taxi and takeoff roll). Fuel moments may be computed using the interpolation method or using 14 moments for each 1,000 pounds of fuel over the standard fuel figures in T.O. 1C-5M-5-2.
- **A2.11.** Reference 11. Leave blank.
- **A2.12.** Reference 12. The total of references 9 and 10.
- **A2.13.** Reference 13. Distribution of allowable load:
  - A2.13.1. Enter 463L pallets with cargo by pallet position or fuselage station.

- A2.13.2. Enter vehicles, rolling stock, pallet trains with oversize cargo by CG location. A2.13.3. Enter passengers or troops in the appropriate compartments, see T.O. 1C-5M-5-2, Figure 2-7. Use FS 1675 to compute troop/passenger moments.
- **A2.14.** Reference 14. Enter the ZFW, zero fuel moment, and zero fuel percent of MAC. If the ZFW CG falls outside the ZFW envelope (loading data manual), the cargo load preplan must be adjusted.
- **A2.15.** Reference 15. Subtotals; enter totals from reference 13.
- **A2.16.** Reference 16. Enter the total of references 12 and 15.
- **A2.17.** Reference 17. Enter the takeoff CG in percent of MAC.
- **A2.18.** Reference 18. Enter corrections (when applicable).
- **A2.19.** Reference 19. Enter the total of references 16 and 18. If no corrections, leave blank.
- **A2.20.** Reference 20. Enter the corrected CG in percent of MAC. If no corrections, leave blank.
- **A2.21.** Reference 21. Enter ZFW and moment. (Adjust if corrections are made)
- **A2.22.** Reference 22. Leave blank except for airdrop missions.
- **A2.23.** Reference 23. Enter estimated landing fuel weight and moment. Check computerized flight plan or use 30,000 pounds for first hour of flight and 20,000 pounds per hour for remainder of flight.
- **A2.24.** Reference 24. Enter the total of references 21 and 23. This weight should not exceed the allowable landing GW shown in the limitations block.
- **A2.25.** Reference 25. Enter the estimated landing CG in percent of MAC.
- **A2.26.** Remarks Block. Enter nonstandard fuel sequence information, if applicable, the maneuver load limit (if less than 2.5g), and any aircraft structural weight restrictions.
  - A2.26.1. Nonstandard fuel sequencing is used when maintenance problems preclude the use of certain fuel tanks. Nonstandard fuel procedures are essentially the same as standard fuel sequencing with the following **Exceptions:** 
    - A2.26.1.1. The flight engineer informs or provides the loadmaster of the conditions requiring this configuration and the fuel weight distribution of individual tanks.
    - A2.26.1.2. Fuel weight moments are computed using the standard sequence fuel moment tables in T.O. 1C-5M-5-2 and T.O. 1C- 5M-5-2-1.
    - A2.26.1.3. Special zero fuel weight center of gravity (ZFWCG) restrictions are required when using nonstandard fuel sequencing. Enter ZFWCG limitation in the limitation block. (See T.O. 1C-5M-1, Section V, Nonstandard Fuel Sequence Procedures.).
    - A2.26.1.4. Weight limitation restriction. Depending on which tanks are empty, the takeoff and fuel allowable gross weight limitations are restricted. The landing limitation will remain at 840,000 pounds, guidance can be provided T.O. 1C-5M-1. Comply with T.O. 1C-5M-1, Section V, nonstandard fuel sequence procedures.
    - A2.26.1.5. Use the remarks block to record the fuel breakdown of symmetrical tanks, weight and moments, i.e., 1 and 4 main tanks 47,000 pounds @ 758 moments. **Note**: When

calculating moments for fuel, use 14 moments for each 1,000 pounds of fuel over the standard fuel figures contained in T.O. 1C-5M-5-2.

- A2.26.2. Maneuver load limitations apply.
  - A2.26.2.1. When ZFW does not exceed 611,190 pounds and takeoff GW does not exceed 769,000 pounds, no entry required.
  - A2.26.2.2. When ZFW is between 611,191 pounds and 656,190 pounds or takeoff GW does not exceed 840,000 pounds, enter "maneuver load limit 2.25g."
  - A2.26.2.3. When ZFW is between to 656,190 pounds, and 686,190 pounds or takeoff GW exceeds 840,000 enter "maneuver load limit 2.0g."
- **A2.27.** Load adjuster number block. Leave blank.
- **A2.28.** Signature block.

#### **Attachment 3**

# INSTRUCTIONS DD FORM 365-4 (C-5M AIRCRAFT JACKING)COMPLIANCE WITH ATTACHMENT IS MANDATORY

- **A3.1.** DD Form 365-4 Heading. Complete only the following blocks (date, aircraft type, serial no., to and home station).
- **A3.2.** Limitations. Limitations. Enter the appropriate weight and center of gravity (CG) limits for the planned mission by utilizing the corresponding sections in the flight manual and loading manual.
  - A3.2.1. Allowable Takeoff GW. Enter the maximum aircraft jacking weight. Verify the allowable takeoff GW with maintenance.
  - A3.2.2. Allowable Landing GW. Leave blank.
  - A3.2.3. Allowable ZFW. Leave blank.
- **A3.3.** Reference 1. Enter basic weight and moment from certified copy of DD Form 365-3 (Chart C) in the airplane weight and balance handbook.
- **A3.4.** Reference 2. Leave blank.
- **A3.5.** Reference 3. Leave blank.
- **A3.6.** Reference 4. Crew's baggage "n/a" (**Exception**: You may have mobility bags, etc.; in this case account for weight/moment).
- **A3.7.** Reference 5, 6 and 7 (see **Chapter 3**). Enter weight and moment. Also, indicate configuration used.
- **A3.8.** Reference 8. Enter liquid nitrogen weight and moment. Use FS 1418 for liquid nitrogen moment computations
- **A3.9.** Reference 9. The total of references 1 through 8.
- **A3.10.** Reference 10. Takeoff fuel use ramp fuel (do not subtract 3,000 pounds).
- **A3.11.** Reference 11. Leave blank.
- A3.12. Reference 12. The total of references 9 and 10.
- **A3.13.** Reference 13. Distribution of Allowable Load:
  - A3.13.1. Maintenance, in coordination with the loadmaster and Aerial Port/CRW/etc., may request some/all/none of the cargo be removed from the aircraft.
  - A3.13.2. If total cargo weight is zero, place a diagonal line through reference 13 and enter "Negative Cargo."
- A3.14. Reference 14. Leave blank.
- **A3.15.** Reference 15. Subtotals; enter totals from reference 13 if applicable.
- **A3.16.** Reference 16. Enter the total of references 12 and 15.
- **A3.17.** Reference 17. Enter the takeoff CG, convert percent of MAC to a FS.

- **A3.18.** Reference 18, 19, 20, 21, 22, 23, 24 and 25. Leave Blank.
- **A3.19.** Remarks Block. Enter in the following statement: "Complete fuselage jacking Form F or forward fuselage jacking Form F. Maximum jacking weight is XXX, XXX pounds. Aircraft jacking weight verified by Maintenance, MSgt XXXXXX."
  - A3.19.1. Consult with maintenance/rank/name to determine (verify) maximum jacking weight
- **A3.20.** Enter forward & aft permissible cg takeoff block using:
  - A3.20.1. Chart 1 complete fuselage jacking with airplane unkneeled contained in T.O. 1C-5M-2-1. (Use keyword search "allowable cg limits" in EFB).
  - A3.20.2. Chart 2 forward fuselage jacking with airplane unkneeled contained in T.O. 1C-5M-2-1. (Use keyword search "allowable cg limits" in EFB).
  - A3.20.3. Use the chart by starting on left-hand side (gross weight 1000 pounds) to the total aircraft weight you entered in Reference 16. Move right until you meet with the dark-contoured line, then scroll down. This will be your forward fuselage limit. (I.e., complete fuselage jacking with airplane unkneeled at 400,000 pounds would be fs1356) Enter the aft permissible CG limit using the applicable chart contained in T.O. 1C-5M-2-1, which in all cases when within limits will be a constant FS1440.
- **A3.21.** Verify within limits for the jacking operation by comparing actual (reference 17) to permissible cg takeoff blocks forward and aft.
- **A3.22.** All other reference numbers are not required to be completed, to include no requirement to have pilot signature.
- A3.23. Complete computed by signature block with signature/rank/unit.

Figure A3.1. Sample Aircraft Jacking Example.

W	EIGHT	AND BA					- TRA	NSPO		USE WITH									арто. о. 07		218
ources, g	pathering a dection of attrophysical	nd maintainin information, be assure the	ng the data , including s	needed, and o suggestions to	completing ar or reducing the	ed reviewing to burden, to	the coller the Dep	ction of info partment of	Defense, Execu	comments utive Service	rega es a	rding nd C	the	s bu	den catie	esti es C	mate Direct	or a torat	e (0)	ther 704-4	011 011
						ANIZATIO							0.77	70.00		20	3.75	P. 1		_	
	YYMMOO,	202201					FROM	DASTIC	APD		-		STA	TIO	4 ]	Ю	VE	K.A	AFE.	5	_
			5	HIAL NO. 8.	3-2185		REF	RAVIS	AFB ITEM		PI	.OT	WE	GMT	_	_	100	TH-	94T	_	_
	DMPLETE FUSELAGE JACKING DRM F AXIMUM JACKING WEIGHT IS 0,000 LBS IAW TO 1C-5M-2-1 RCRAFT JACKING WEIGHT VERIFI MAINTENANCE, MSGT SMITH  ADJUSTER NUMBER ECTIONIMOST FYYD, MOST AFT  13 DISTRIBUTION OF				1	BASIC AL	RCRAFT From	Chart C)	4	_	0	6	8	3	Mc	M/	5	5	8		
		LIOC	JELAC	IL JAC	KING		2				۲	Ť	Ť	Ť	Ť	Ť	Н	П		Ť	_
		LIACK	(INIC V	VEIOH:	TIC		3	CREW pv	o.J		Г		П	Г	Г	Г	П	П	$\Box$	╛	
							4	CREW'S	BAGGAGE										$\Box$	$\Box$	
						FIED	5	_	D'S EQUIPMENT		┡	L	Н	3	5	9	Ш	Н	$\dashv$	4	_
	rices, garthering and maintaining the data needed, and completing and revitities collection of information, including suggestions for reducing the bard pendients should be an including the source of information. Including any other provision of law, dagley, a correctly wald CMR control survive.  CASE DO NOT RETURN YOUR FORM TO THE ABOVE ORGANIZ. IT (PTYYMEROD) 20220131 AMCIGNAT TYPE C5M.  SIGN SERIAL NO. 83-2185  MARIKS  COMPLETE FUSELAGE JACKING  ORM F.  MAXIMUM JACKING WEIGHT IS  50,000 LBS IAW TO 1C-5M-2-1  IRCRAFT JACKING WEIGHT VERIFIE  TY MAINTENANCE, MSGT SMITH  AD ADJUSTER NUMBER  RRECTIONIMOST PYVO/MOST AFT 13 DISTRIBUTION OF ALL  PTT CHANGES (+ or -) PASSENGERS C				FIED	6	_	CY EQUIPMENT	Г	⊢	⊢	Н	6	5	3	Н	Н	$\dashv$	4	_	
BY N	MAINI	ENAN	CE, M	SGIS	MITH		7 8	NITRO			⊢	$\vdash$	Н	7	5	6	Н	Н	$\dashv$	+	1
							9		NG WEIGHT		4	0	2	6	2	1	Н	Н	5	6	1
							10	TAKEOFF		Gel.)	Н	3	8	5	0	0	Н	П	$\neg$	5	5
							31	WATER #	4.1.							Г					
							12		IRCRAFT WEIGH	łT.	4	4	1	1	2	1			6	1	6
_	SERIAL NO. 83-2185  IANKS  OMPLETE FUSELAGE JACKING  ORM F  AXIMUM JACKING WEIGHT IS  50,000 LBS IAW TO 1C-5M-2-1  IRCRAFT JACKING WEIGHT VERIFIED  Y MAINTENANCE, MSGT SMITH  OF ALL STREET NUMBER  FRECTIONIMOST PHOLIMOST AFT  OF CHANGES (1 or -)  WEIGHT MOM.  ITEM  OF CHANGES (1 or -)  WEIGHT MOM.  AL WEIGHT ALL  OFFERENCE  LIMITATIONS  COMDITION  TAKEOFF LANDING FUEL  OVALABLE GOSS WEIGHT 450,000  ALL ARICRAFT WT. (Ref. 12)  ALL VIELD 1  OVALUE COMDITION  TAKEOFF LANDING FUEL  OVALUE COMDITION  TAKEOFF LANDING FUEL  OVALUE COMDITION  OVALUE COMD	OF ALLOWA COMPT	_	D (PAYLO)	101	COMPT	14	20	RO F				_	_	_						
			_	_	OR		MIGO	CARGO	OR	E	IN	DEX	CR	MO	M.A	c.	_	_			
$\rightarrow$			_	$-\!\!\!\!-$	—	+	₩			-	┡	L	Н	L	L	⊢	ш	Н	$\dashv$	J	1
+	_			+	_	+	$\vdash$			+	⊢	$\vdash$	Н	⊢	Н	$\vdash$	Н		1		-
$\rightarrow$				+	<del>                                     </del>	+	-			+	⊢	$\vdash$	Н	⊢	Н			Н	$\dashv$	+	-
$\rightarrow$				+		-	-			+	Н	$\vdash$			-		Н	Н	$\dashv$	7	_
$\neg$				$\top$		$\top$	-				t				Н	Г	П	П	$\exists$	┪	
$\perp$							N 197.0				L								$\Box$	4	
$\rightarrow$				+	├	+	NEG	ATIVE		+	┡	L	Н	L	L	L	Ш	Н	$\dashv$	4	
$\rightarrow$	_		_	$\overline{}$	_	+	₩		CARGO	_	⊢	$\vdash$	Н	⊢	Н	Н	Н	Н	$\dashv$	+	-
$\rightarrow$				647	-	+			CARGO	+	⊢	$\vdash$	Н	$\vdash$	Н	H	Н	Н	$\dashv$	+	_
$\neg$			-AP														П	$\Box$	$\exists$	_	
		3	N.																		
		72																	$\Box$	$\Box$	
$\rightarrow$						+	╙			+	┡	L	Н	L	⊢	┡	ш	Н	$\dashv$	4	
+					$\vdash$	+	$\vdash$			+	-	$\vdash$	Н	-	$\vdash$	$\vdash$	$\vdash$	Н	$\dashv$	4	_
$\rightarrow$				_	_	+	-			+	⊢	$\vdash$	Н	⊢	Н	Н	Н	Н	$\dashv$	+	-
$\rightarrow$				+	-	-	-			+	Н	$\vdash$	Н	$\vdash$	Н	Н	Н	Н	$\dashv$	+	_
OTAL W	EIGHT			-	-	$\overline{}$	-			$\overline{}$	Н	Т	Н	Н	Н	Н	Н	П	$\neg$	┪	_
OTAL W	HEAT																				
DIFF	ERENCE						$\vdash$				L			L		L		Ц	$\Box$	_	
						15	⊢				┡	┡	Н	┡	H	⊢	$\vdash$	Н	$\dashv$	4	_
				_	ig / Ful	-	TANCO	WE COMPA	100 dt		١.			ļ.	2	÷	Н	Н		H	-
			300.00			7 16 17	_		10N (Uncorrecte		۰	4	1	_	2 S 1	139	8	_	6	-1	6
		J. J. Ta.	****			18		CTIONS #			$\vdash$			É	Ť	Ĺ	Ď		П	П	
PERATIN	IG WT. PR					19	_		ION (Connected)		Т					Г	П		$\dashv$	╛	
LLOWAS	ILE LOAD lest figure)	(Ret. 13)	8,879	) [		20	TAKEO	FF C.G. IN	% M.A.C. OR II	4								_			
Zero Fu	el or Limit	ing Wing Fae				21	ZEROF	UEL WT Ø	lef. 14)										$\Box$	$\Box$	
AKEOFF			FS 137		FS 1440	22	LESS A	VR DROP L	DAD										$\Box$	_	
ANDING	BECG.					-	<u> </u>				-		Н			⊢	$\vdash$	Н	$\sqcup$	4	_
UUMISSI	I W/T.					$\dashv$	$\vdash$				-	$\vdash$	Н	$\vdash$	$\vdash$	$\vdash$	Н	Н	$\dashv$	+	_
TERO FUE		ematures/D	cank/Sqr	aadron							_			_	_	$\vdash$	-	ш	_	4	_
COMPUTE COMPUTE IGNIATUR	RE Sig	grandiers				23	ESTIM-	ATED I AME	ING FUEL		г									- 1	
COMPUTE COMPUT	AND BALA TY SIGNA	NCE				23	-	ATED LAND	NNG FUEL	N	F		H	H	H	H	Н	Н	$\dashv$	+	_