

CAPSTONE 1

Due to escalating conflict between the US and China, your unit has been tasked with deploying personnel, vehicles, and palletized equipment into Kinmen Airport, a strategic location within the INDOPACOM theater. Using the following aircraft, C-130H/J, C-17, and C-5M, you will create a load plan and ensure the below personnel/equipment have been loaded IAW DTR, ATTLA, and Aircraft limitations. **You have 4 hours to complete this CAPSTONE.**

Aircrafts (STD-AL)

1. **C-130H / 25,000**
2. **C-130J / 40,000**
3. **C-17 / 130,000**
4. **C-5M / 150,000**

Mission Type: **Mobility**

Chapter 3: **Yes (75% Fuel)**

Unit Airlift: **TF PAPA**

Departure Airfield: **Chiayi Airport (RCKU)**

Destination: **Kinmen Airport (RCBS)**

Passengers: **54** at 210 lbs each (**2 minimum each chalk**)

Passenger Bags: **190 LBS** per passenger

Your unit UMO has given you a compiled list of items that have been identified as needing to be deployed with the unit. Create **1** cargo list with the following items.

Description	LIN #	Lin Index #	Weight
Pallet, 463L x 18	YA0038	01	4500 LB
M116A3	-	-	4200 LBS
M1151	T34704	28	12100 LB
M1152A1	T37588	13	11500 LB
M1165A1 x 2	T56383	03	9870 LB
M-ATV x 4	M11442	01	32244 LB

Your unit has weighed and marked the equipment in your unit's inventory that are identified to deploy. Update the items in your cargo list according to the below dimensions and weights.

Description	LIN #	Lin Index #	Weight	Lengt h	Widt h	Heigh t	Distance (IN)	Axels (LBS)	HAZ
Pallet, 463L	YA0038	01	4000	88	108	70	-	-	-
Pallet, 463L	YA0038	01	8505	88	108	70	-	-	-
Pallet, 463L x4	YA0038	01	6500	88	108	96	-	-	-
Pallet, 463L x2	YA0038	01	7500	88	108	96	-	-	-

Pallet, 463L x4	YA0038	01	5000	88	108	96	-	-	-
Pallet, 463L x6	YA0038	01	9000	88	108	96			
M116A3			1920	147	88	62	D1- 107"	1750LB	-
							C1- 10"	170LB	
							C1- FL- 44"		
M1151	T34704	28	12100	191	91	111	D1- 40"	5700LB	UN3166
							D2- 165"	6400LB	
M1152A1	T37588	13	12330	211	104	100	D1- 30"	5900LB	UN3166
							D2-170"	6430LB	
M1165A1 x2	T56383	03	9870	191	91	75	D1- 26"	5330LB	UN3166
							D2- 156"	4540LB	
M-ATV W/OGPK & CANOPY x4	M11442	01	31824	250	100	144	D1- 45"	14000LB	UN3166
							D2- 192"	17824LB	

****NOTE Change Symbol Name for all M-ATVs from LGTK00072 to LGTK00054****

Chalk 1(C-130J) will have the following:

1 M1152A1 with M116A3 (ADVANCED FIELD ARTILLARY TACTICAL DATA SYS)

8505LB pallet, 463L

4000LB pallet, 463L

12 passenger's w/bags

-Load the remaining pax/cargo using ****Chalk 2-4****

-All trailers will be hitched to a prime mover

-Pallets will be loaded aft of vehicles

-Baggage pallets always loaded closest to the ramp

-Adhere to all aircraft limitations (i.e. ACL, axle, compartment (width, height, weight), and passengers).

-Acknowledge all erroneous violations

Floor Loaded Bags Dimensions:

Pax Count	Length	Width	Height
2 pax	44"	24"	30"
3 pax	66"	24"	30"
4 pax	88"	24"	30"
5 to 8 pax	88"	48"	30"
9 to 16 pax	88"	48"	60"
17 to 19 pax	88"	60"	60"