

CAPSTONE 2

Due to escalating conflict between the US and China, your unit has been tasked with deploying personnel, vehicles, and palletized equipment into South Korea, 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 X-RAY**

Departure Airfield: **KADENA AB (RODN)**

Destination: **OSAN AB (RKSO)**

Passengers: **52** at 210 lbs each (**2 minimum each chalk**)

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	YA0039	02	7500 LB
M116A3	-	-	4200 LBS
M105A3	W95811	98	2700 LB
M1079A1 x 2	T93484	08	18834 LB
M1152A1	T37588	03	8760 LB
M-ATV x 3	M11442	01	32244 LB
M1083A1P1	T45051	03	26923 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	Length	Width	Height	Distance (IN)	Axels (LBS)	HAZ
Pallet, 463L x 7	YA0039	02	7500 LB	108	88	96	-	-	-
Pallet, 463L x 3	YA0039	02	5000 LB	108	88	77	-	-	-
Pallet, 463L x 2	YA0039	02	8500 LB	108	88	96	-	-	-
Pallet, 463L x 2	YA0039	02	6500 LB	108	88	96	-	-	-

Pallet, 463L x 4	YA0039	02	9500 LB	108	88	96	-	-	-
M116A3	-	-	1920 LB	147	88	62	D1- 107"	1750	-
							C1- 10"	170	
							FL - 42"		
M105A3	W95811	98	2670 LB	166	83	55	D1- 120"	2376	-
							C1- 18"	294	
							FL - 42"		
M1079A1 x 2	T93484	08	17379 LB	263	96	100	D1- 210"	6604	UN3166
							D2- 56"	10775	
M1152A1	T37588	03	11280 LB	211	100	75	D1- 30"	4800	UN3166
							D2- 170"	6480	
M-ATV x 3	M11442	01	32824 LB	250	100	144	D1- 45"	15000	UN3166
							D2- 192"	7824	
M1083A1P1	T45051	03	22723 LB	274	96	106	D1- 202"	5226	UN3166
							D2- 53"	12271	
							D3- 258"	5226	

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

Chalk 1 (C-130H) will have the following,

1 x M1152A1 W/ M116A3 (ADVANCED FIELD ARTILLERY TACTICAL DATA SYS)

2 Passengers with Floor Loaded 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"