



MASS & BALANCE

A/C Type		T.Registration		S.N.	Flight Type	
AW-109 S		I-PNTD		22140	EMS	
Masses	Kg	CG Long.	MM Long.	CG Lat.	MM Lat.	Note
Dry Mass	2198	3444.63	7571296.48	15.76	34640.48	
Pilot mass	0	1385	0	335	0	
Copilot mass	0	1385	0	-325	0	
Consumable loads	10	4280	42800	0	0	
Dry operating Mass	2208	3448.41	7614096.48	15.69	34640.48	
Spinning seat (DOCTOR)	0	2210	0	304.8	0	
Right fixed seat (ASSISTANT)	0	3492	0	450	0	
Central fixed seat	0	3492	0	0	0	
Stretcher section	0	2869	0	-450	0	
Passengers Load	0	0	0	0	0	
Cabin load	32	2690.75	86104	-281.25	-9000	
Baggage Load	47.5	5767	273932.5	0	0	
Rescue Hoist Load	0	3190	0	953.5	0	
Floats (57,54)	0	3543	0	0	0	
Traffic Load	79.5	4528.76	360036.5	-113.21	-9000	
Zero Fuel Load Tot (A+B)	2287.50	3485.96	7974132.98	11.21	25640.48	
D1 Principal Fuel Tank	0	3761.00	0.00	0.00	0.00	
D TOT Fuel Load	0	3761.00	0.00	0.00	0.00	
E Trip and Taxi Fuel	326.83500011444	3803	1229245.24	40025	0	
F Remaining Fuel Load(D-E)	-326.84	3761	-1229245.24	0	0.00	
G TO Mass Tot (C+D)	2287.50	3485.96	7974132.98	11.21	25640.48	
H Final MIX LDG M.& M.	1970.67	3444.57	6788104.79	13.01	25640.48	
Helicopter Tecnical Logbook		Standard Variant Id.		Filled up by:		Commander:
HTL n°		Hospital Flight Type		Melillo	Melillo	
Page n°		EMS		Signature:		
Flight n°		BASE ELISOCORSO DI:		Date	06/12/2014	

OPERATIVE FLIGHT PLAN

SELECT AWG SPEED: 90

DEPARTURE BASE AND ENROUTE DATA		PRUA	FREQ. RADIO AIDS	INS. W.P. NAME OR ICAO CODE
DEPT 1° LEG	LIRV	Degrees		
	N 42° 25' 49" E 12° 3' 51"	NM		
2° LEG	LIRA	148°		
	N 41° 47' 58" E 12° 35' 50"	45		
3° LEG	LIRG	28°		
	N 41° 59' 46" E 12° 44' 5"	13		
4° LEG	LIRV	311°		
	N 42° 25' 49" E 12° 3' 51"	40		
5° LEG	LIRA	148°		
	N 41° 47' 58" E 12° 35' 50"	45		

INFO WAYPOINTS AND ENROUTE NOTES

AVERAGE CONS kg/min	ESTIMATE ENDURANCE (MINUTES OF FLIGHT)					FLIGHT TIME min		
	INITIAL FUEL LOAD KG		ENDURANCE h min.		Res VFR	Res VFRN	MAX	REST
3.335	0		0	0	25	30	-25	-120
LEG	(min)	(Kg)	(Kg)	(Kg)	(Kg)	(min)	0	0
N°	E.E.T.	Estimated necessary fuel	Estimated residual fuel	Real residual fuel	Real fuel consumption	E.T.E.	Start up time	Stop time
2	30	100	-100	0	0	0	00:00	00:00
3	9	30	-130	0	0	0	00:00	00:00
4	26	87	-217	0	0	0	00:00	00:00
5	30	100	-317	0	0	0	00:00	00:00
TOT	95	327	-317	0	0	0	TOTAL FLIGHT TIME	

MASS KG	1° LEG	2° LEG	3° LEG	4° LEG	Warnings
ZERO FUEL LOAD	2287.5	2287.5	2287.5	2287.5	Exceeded limits
RESERVE+CONT. F	71.70	68.20	71.04	71.70	Limits ok
RE-FUEL		0	0	0	FUEL
LOAD (patient)	0	0	0	0	Fill in flight
RESIDUAL PAY LOAD	887.5	987.55	1017.57	1104.28	Residual P.L. x 3175 Kg
TAKE OFF MASS	2287.50	2187.45	2157.43	2070.72	TO/LDG Mass OK (3175 Kg) check FM for Cat. A TO/LDGS
LANDING MASS	2187.45	2157.43	2070.72	1970.67	