



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	2181.4	3479	7589090.26	2	4362.8	
Pilot mass	0	1385	0	335	0	
Copilot mass	0	1385	0	-325	0	
Consumable loads	10	4280	42800	0	0	
Dry operating Mass	2191.4	3482.66	7631890.26	1.99	4362.8	
B						
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	
C						
Zero Fuel Load Tot (A+B)	2271	3519.28	7991926.76	-2.04	-4637.20	
D1						
Principal Fuel Tank	400	3916.00	1566400.00	0.00	0.00	
D						
TOT Fuel Load	400	3916.00	1566400.00	0.00	0.00	
E						
Trip and Taxi Fuel	867	0	0	0	0	
F						
Remaining Fuel Load(D-E)	-267	3761	-1004600.71	0.000	0.00	
G						
TO Mass Tot (C+D)	2671	3578.69	9558326.76	-1.74	-4637.20	
H						
Final MIX LDG M.& M.	2014	4458.87	8979271.72	-2.30	-4637.20	
Helicopter Tecnical Logbook		Standard Variant Id.		Filled up by:		Commander:
HTL n°		Hospital Flight Type		Romagnoli	Romagnoli	
Page n°		EMS		Signature:		
Flight n°		BASE ELISOCORSO DI:		Date	29/12/2014	

OPERATIVE FLIGHT PLAN

DEPARTURE BASE AND ENROUTE DATA	PRUA	FREQ. RADIO AIDS	SELECT AWG SPEED: 120
DEPT	Cagliari	Degrees	
	N 39° 13' 7" E 9° 7' 4"	NM	
1° LEG	Genova	359°	
	N 44° 24' 17" E 8° 56' 8"	311	
2° LEG	Ancona	102°	
	N 43° 37' 15" E 13° 30' 51"	203	

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	400		1	59	33	46	0	0
LEG	(min)	(Kg)	(Kg)	(Kg)	(Kg)	(min)	-9	-110
N°	E.E.T.	Estimated necessary fuel	Estimated residual fuel	Real residual fuel	Real fuel consumption	E.T.E.	Start up time	Stop time
1	156	520	-120					
2	101	337	-257					
TOT	257	867	-257				TOTAL FLIGHT TIME	

MASS KG	DEPT	1° LEG	Warnings
ZERO FUEL LOAD	2270.9	2270.9	Exceeded limits
RESERVE+CONT. F	92.71	83.54	Limits ok
RE-FUEL		200	FUEL
LOAD (patient)	0	0	Fill in flight
RESIDUAL PAY LOAD	504	824	Residual P.L. x 3175 Kg
TAKE OFF MASS	2671	2351	TO/LDG Mass OK (3175 Kg) check FM for Cat. A TO/LDGS
LANDING MASS	2151	2014	