



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	67	1385	92795	335	22445		
Copilot mass	76	1385	105260	-325	-24700		
Consumable loads	10	4280	42800	0	0		
Dry operating Mass	2334.4	3354.16	7829945.26	0.9	2107.8		
B	Spinning seat (DOCTOR)	90	2210	198900	304.8	27432	
	Right fixed seat (ASSISTANT)	110	3492	384120	450	49500	
	Central fixed seat	23	3492	80316	0	0	
	Stretcher section	0	2869	0	-450	0	
	Passengers Load	223	2974.6	663336	344.99	76932	
	Cabin load	62	2743.61	170104	-362.9	-22500	
	Baggage Load	15	5767	86505	0	0	
	Rescue Hoist Load	0	3190	0	953.5	0	
	Floats (57,54)	0	3543	0	0	0	
	Traffic Load	300	3066.48	919945	181.44	54432	
C	Zero Fuel Load Tot (A+B)	2634.40	3321.40	8749890.26	21.46	56539.80	
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	106.72500011444	3709	395843.03	0.000	0.00	
F	Remaining Fuel Load(D-E)	293.27	3800	1114426.00	0.000	0.00	
G	TO Mass Tot (C+D)	3034.40	3399.78	10316290.26	18.63	56539.80	
H	Final MIX LDG M.& M.	2937.68	3387.81	9952306.22	19.25	56539.80	
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: 130

DEPARTURE BASE AND ENROUTE DATA		PRUA	FREQ. RADIO AIDS	INS. W.P. NAME OR ICAO CODE
DEPT	TARQUINIA FREEAIR	Degrees		
	N 42° 11' 2" E 11° 45' 0"	NM		
1° LEG	Capranica	77°		
	N 42° 15' 24" E 12° 11' 0"	20		
2° LEG	H VITERBO	341°		
	N 42° 23' 31" E 12° 7' 25"	9		
3° LEG	Todi	28°		
	N 42° 47' 2" E 12° 24' 31"	27		
4° LEG	DERUX	14°		
	N 42° 55' 48" E 12° 27' 18"	9		

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	21	23	98	69
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
1	9	30	370	0	0	0	00:00:00	00:00:00
2	4	13	357	0	0	0	00:00:00	00:00:00
3	12	40	317	0	0	0	00:00:00	00:00:00
4	4	13	303	0	0	0	00:00:00	00:00:00
TOT	29	107	303	0	0	0	TOTAL FLIGHT TIME	

MASS KG	DEPT	1° LEG	2° LEG	3° LEG	Warnings
ZERO FUEL LOAD	2634.4	2834.4	2634.4	2634.4	Exceeded limits
RESERVE+CONT. F	68.20	67.37	68.70	67.37	Limits ok
RE-FUEL		0	0	0	FUEL
LOAD (patient)	0	200	0	0	Fill in flight
RESIDUAL PAY LOAD	140.6	-29.38	183.96	223.98	Residual P.L. x 3175 Kg
TAKE OFF MASS	3034.40	3204.38	2991.04	2951.02	TO/LDG Mass OK (3175 Kg) check FM for Cat. A TO/LDGS
LANDING MASS	3004.38	3191.04	2951.02	2937.68	