



### MASS & BALANCE

| A/C Type                        |                          | T.Registration       |                   | S.N.          | Flight Type    |            |
|---------------------------------|--------------------------|----------------------|-------------------|---------------|----------------|------------|
| EC-135                          |                          | I-PNTC               |                   | 810           | EMS            |            |
| Masses                          | Kg                       | CG Long.             | MM Long.          | CG Lat.       | MM Lat.        | Note       |
| Dry Mass                        | 2035.7                   | 4501.86              | 9164435.9         | 1             | 2035.7         |            |
| Pilot mass                      | 45                       | 2428                 | 109260            | 0.39          | 17.55          |            |
| Copilot mass                    | 0                        | 2428                 | 0                 | -0.39         | 0              |            |
| <b>Dry operating Mass</b>       | <b>2080.7</b>            | <b>4457.01</b>       | <b>9273695.9</b>  | <b>0.99</b>   | <b>2053.25</b> |            |
| Copilot seat (if pax)           | 0                        | 2428                 | 0                 | -0.39         | 0              |            |
| Spinning seat                   | 0                        | 3465                 | 0                 | 0.35          | 0              |            |
| Right post seat                 | 0                        | 4192                 | 0                 | 0.35          | 0              |            |
| Central aft seat                | 0                        | 3391                 | 0                 | -0.35         | 0              |            |
| Stretcher section               | 0                        | 4281                 | 0                 | -0.35         | 0              |            |
| <b>Passengers Load</b>          | <b>0</b>                 | <b>0</b>             | <b>0</b>          | <b>0</b>      | <b>0</b>       |            |
| Cabin load D/5 N/10             | 83                       | 4390.36              | 364400            | 0             | 0              |            |
| Bag. Comp. Load D/5 N/10        | 0                        | 0                    | 0                 | 0             | 0              |            |
| Principal Hook (10,7)           | 0                        | 4200                 | 0                 | 0             | 0              |            |
| Auxiliary Hook (3,6)            | 0                        | 4200                 | 0                 | 0             | 0              |            |
| Hoist (55,87)                   | 0                        | 3678                 | 0                 | -0.86         | 0              |            |
| Floats (57,54)                  | 0                        | 0                    | 0                 | 0             | 0              |            |
| <b>Traffic Load</b>             | <b>83</b>                | <b>4390.36</b>       | <b>364400</b>     | <b>0</b>      | <b>0</b>       |            |
| <b>Zero Fuel Load Tot (A+B)</b> | <b>2163.70</b>           | <b>4454.45</b>       | <b>9638095.90</b> | <b>0.95</b>   | <b>2053.25</b> |            |
| D1                              | Principal Fuel Tank      | 0                    | 3881.00           | 0.00          | 0.00           |            |
| D2                              | Aux Fuel Tank            | 0                    | 4940.00           | 0.00          | 0.00           |            |
| D                               | TOT Fuel Load            | 0.00                 | NaN               | 0.00          | NaN            |            |
| E                               | Trip and Taxi Fuel       | 0                    | NaN               | 0             | 0              |            |
| F                               | Remaining Fuel Load(D-E) | 0.00                 | 4940              | 0.00          | 0              |            |
| G                               | TO Mass Tot (C+D)        | 2163.70              | 4454.45           | 9638095.90    | 0.95           | 2053.25    |
| H                               | Final MIX LDG M.& M.     | 2163.70              | 4454.45           | 9638095.90    | 0.95           | 2053.25    |
| Helicopter Technical Logbook    |                          | Standard Variant Id. |                   | Filled up by: |                | Commander: |
| HTL n°                          |                          | Hospital Flight Type |                   |               |                |            |
| Page n°                         |                          | EMS                  |                   | Signature:    |                |            |
| Flight n°                       |                          | BASE ELISOCORSO DI:  |                   | Date          | 21/11/2014     |            |

### OPERATIVE FLIGHT PLAN

SELECT AWG SPEED: 90

| DEPARTURE BASE AND ENROUTE DATA |  | PRUA                     | FREQ. RADIO AIDS        | INS. W.P. NAME OR ICAO CODE |  |                 |                          |           |
|---------------------------------|--|--------------------------|-------------------------|-----------------------------|--|-----------------|--------------------------|-----------|
| 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      |
| 3.05                            | 0.00                                   |                          | 0                       | 0                           | 0  | 0               | 0                        | 0         |
| LEG                             | (min)                                  | (Kg)                     | (Kg)                    | (Kg)                        | (Kg)   | (min)           |                          |           |
| N°                              | E.E.T.                                 | Estimated necessary fuel | Estimated residual fuel | Real residual fuel          | Real fuel consumption                        | E.T.E.          | Start up time            | Stop time |
| <b>TOT</b>                      | <b>0</b>                               | <b>0</b>                 | <b>0</b>                | <b>0</b>                    | <b>0</b>                                     | <b>0</b>        | <b>TOTAL FLIGHT TIME</b> |           |
| <b>MASS KG</b>                  |  |                          |                         |                             | <b>Warnings</b>                              |                 |                          |           |
| <b>ZERO FUEL LOAD</b>           |  |                          |                         |                             | <b>Exceeded limits</b>                       |                 |                          |           |
| <b>RESERVE+CONT. F</b>          |  |                          |                         |                             | <b>Limits ok</b>                             |                 |                          |           |
| <b>RE-FUEL</b>                  |  |                          |                         |                             | FUEL   |                 |                          |           |
| <b>LOAD (patient)</b>           |  |                          |                         |                             | Fill in flight                               |                 |                          |           |
| <b>RESIDUAL PAY LOAD</b>        |  |                          |                         |                             | Residual P.L. x 2910 Kg                      |                 |                          |           |
| <b>TAKE OFF MASS</b>            |  |                          |                         |                             | TO/LDG Mass OK (2910 Kg) check FM for Cat. A |                 |                          |           |
| <b>LANDING MASS</b>             |  |                          |                         |                             | TO/LDGS                                      |                 |                          |           |