

# ULM : REFERENCE EMPTY WEIGHT REPORT

Amended decree of 23 September 1998 pertaining to microlights

## Weighing report

Date of the weighing:	Location of the weighing :
-----------------------	----------------------------

<b>Aircraft weighed</b>	
Registration/identification marks (if any):	
Manufacturer, model :	Serial number :
Fuel : <input type="checkbox"/> avgas/2-cycle mix <input type="checkbox"/> diesel/jet fuel <input type="checkbox"/> other :	Unusable fuel : litres

**⚠ The data below must correspond to an actual weighing of the aircraft described above (serial number): it cannot be just data extrapolated from a weighing performed on another aircraft.**

List the main equipment/instruments  
(at least those for which there are several options)

<b>Description of the aircraft weighed</b>	
Fuel : <input type="checkbox"/> none <sup>(*)</sup> <input type="checkbox"/> only unusable fuel <input type="checkbox"/> other <sup>(*)</sup> :	kg
Other fluids : (oil, engine coolant, hydraulic fluid) <input type="checkbox"/> maximum quantity <input type="checkbox"/> missing quantity <sup>(*)</sup> :	kg
Engine (specify model):	
Propeller (specify model):	

<b>Weight measured</b>
kg ①

<sup>(\*)</sup> ⚠ in that case, specify the correction to be made in the table below:

Corrections related to fuel and other fluids (if required)	Weight correction
If the quantity of fuel during the weighing was different from the unusable quantity:	<input type="checkbox"/> - <input type="checkbox"/> + kg
If the quantity of fluids (oil, engine coolant, hydraulic fluid) during weighing was less than the maximum quantity:	+ kg

<b>Empty weight of the weighed aircraft</b>	kg ②
---	------

① + sum of corrections

## Reference empty weight determination

The weighed aircraft was in the reference configuration:  yes  no: fill in the following tables

Fill in only if the weighed aircraft was  
NOT in the reference configuration

Equipment installed on the weighed aircraft which are NOT part of the reference configuration	correction
	- kg
	- kg
	- kg

Equipment NOT installed on the weighed aircraft but which are part of the reference configuration	correction
	+ kg
	+ kg
	+ kg

<b>Reference empty weight</b>	kg ②
-------------------------------	------

② + sum of corrections

## Signature

I hereby declare that the above information is sincere and that I have been informed that any false declarations are punishable by law.	
Date:	Name, surname and signature (and company stamp, where appropriate) :

## Guide: empty weight and reference empty weight

### Empty weight

This is the mass of the ULM:

- without occupant or loading (luggage, removable ballast etc.)
- with fixed ballast
- without fuel except unusable fuel \*
- with the maximum quantities of liquids necessary for the normal operation of the ULM (e.g. oil, coolant, hydraulic fluid).

*\* This is the amount of fuel that cannot be used by the engine given the geometry of the tanks and the supply hose. This value shall be provided by the manufacturer in the user manual.*

### Reference empty weight

The identification fiche of the ULM shall mention the “reference empty weight” of the ULM.

The “reference empty weight” is the weight of the ULM in a given configuration, said “reference configuration”. This configuration can be chosen freely by the applicant, as long it is a valid configuration, i.e.:

- the ULM shall be fit for flight (i.e. all features and equipment mandatory for safe flight are included in the reference configuration), and
- the reference empty weight shall not exceed the maximum empty weight

Ex: the reference configuration can be chosen to correspond to the ULM:

- without any optional equipment (i.e. minimum empty weight), or
- with a standard list of equipment (although some of them may be optional), or
- in the configuration of a given serial number when it was weighed, or
- any other configuration.

The reference empty weight shall be established by weighing.

It is highly recommended that the ULM be weighed in the reference configuration, so that the reference empty weight is the direct result of the weighing.

However it is possible to use the weighing of an ULM which was not exactly in the reference configuration. In that case, the reference empty weight report (page 1 of this form) shall identify, as applicable:

- equipment which were installed on the weighed ULM but are NOT part of the reference configuration (and the weight of such equipment shall be subtracted from the weight measured)
- equipment which were NOT installed on the weighed ULM but are part of the reference configuration (and the weight of such equipment shall be added to the weight measured)