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DEFINITIONS

– **MANUFACTURER'S EMPTY WEIGHT (MEW)**

The weight of the structure, power plant, furnishings, systems and other items of equipment that are considered as an integral part of the aircraft. It is essentially a "dry" weight, including only those fluids contained in closed systems (e.g. hydraulic fluid).

– **OPERATIONAL EMPTY WEIGHT (OEW)**

The manufacturer's weight empty plus the operator's items i.e. the flight and cabin crew and their baggage, unusable fuel, engine oil, emergency equipment, toilet chemicals and fluids, galley structure, catering equipment, seats, documents etc.

– **DRY OPERATING WEIGHT (DOW)**

The total weight of an aircraft ready for a specific type of operation excluding all usable fuel and traffic load.

Operational Empty Weight plus items specific to the type of flight i.e. catering, newspapers, pantry equipment etc.

– **TAKEOFF FUEL**

The weight of the fuel onboard at takeoff.

– **OPERATING WEIGHT**

The weight obtained by addition of the operational empty weight and the takeoff fuel.

– **TOTAL TRAFFIC LOAD**

The weight of the payload including cargo loads, passengers and passengers bags.

– **ZERO FUEL WEIGHT (ZFW)**

The weight obtained by addition of the total traffic load and the dry operating weight.

– **TAKEOFF WEIGHT (TOW)**

The weight at take-off. It is equal to the addition of the zero fuel weight and takeoff fuel.

– **TRIP FUEL**

The weight of the fuel necessary to cover the normal leg without reserves.

– **LANDING WEIGHT**

The weight at landing. It is equal to takeoff weight minus trip fuel.