



AEROCOM Y-SYSTEM

Equipments needed by EU/EASA Parts

It is an on-line system that helps the aeronautical technician to comply with European regulations regarding the equipment that must be on board during the flight, due to:

- Applicable EU Regulation
- Type of aircraft
- Type of engine
- Number of engines installed
- Date of issue of Certificate of Airworthiness
- Maximum Certified Take-Off Mass (MCTOM)
- Maximum Operational Passenger Seating Configuration (MOPSC)

A/C Marks	D-JITX
EASA Part	CAT Commercial Air Transport Operations
A/C Type	Aeroplane
Engine Type	Turboprop
Engine Num.	4
Issue Date of C. of A.	1987-08-19
MCTOM Kg	54000
MOPSC	49

After entering this data and pressing the "Show Equipment" button, a double table opens with the flight conditions on the left and the necessary equipment on the right. Each time you add or remove a flight condition, the equipment list is updated accordingly.

Select all applicable items		Equipment	
Condition Type	Description	Item	Equipment
<input type="checkbox"/>	Crew		Single-pilot
<input checked="" type="checkbox"/>			Two pilots required for the operation
<input type="checkbox"/>	Flight rules		Aeroplane approved for PBN operations
<input checked="" type="checkbox"/>			Aeroplane operated by day
<input checked="" type="checkbox"/>			Aeroplane operated by night
<input checked="" type="checkbox"/>			Aeroplane operated in IMC
<input checked="" type="checkbox"/>			Aeroplane operated on flights in which it is intended to land in IMC
<input checked="" type="checkbox"/>			Aeroplane operated under IFR
<input checked="" type="checkbox"/>			Aeroplane operated under VFR by day
<input checked="" type="checkbox"/>			Aeroplane operated under VFR by night
<input type="checkbox"/>			Aeroplane operated under VFR over routes navigated by reference to visual landmarks
<input type="checkbox"/>			Aeroplane operated under VFR over routes that cannot be navigated by reference to visual landmarks
<input type="checkbox"/>	Flights over water		Aeroplane operated over water at a distance away from land suitable for making an emergency landing, greater than that corresponding to 120 minutes at cruising speed or 400 NM, whichever is the lesser, in the case of aeroplanes capable of continuing the flight to an aerodrome with the critical engine(s) becoming inoperative at any point along the route or planned diversions
<input checked="" type="checkbox"/>			Aeroplane operated over water at a distance away from land suitable for making an emergency landing, greater than that corresponding to 30 minutes at cruising speed or 100 NM, whichever is the lesser
<input checked="" type="checkbox"/>			Landplanes operated over water at a distance of more than 50 NM from the shore
<input type="checkbox"/>			Landplanes taking off or landing at an aerodrome where the take-off or approach path is so disposed over water that there would be a likelihood of a ditching
		CAT.IDE.A.110	Spare electrical fuses, of the ratings required for complete circuit protection, for replacement of those fuses that are allowed to be replaced in flight. The number of spare fuses that are required to be carried shall be the higher of: 1. 10 % of the number of fuses of each rating; or 2. three fuses for each rating.
		CAT.IDE.A.115	Anti-collision light system
		CAT.IDE.A.115	Lighting supplied from the aeroplane's electrical system to provide adequate illumination for all instruments and equipment essential to the safe operation of the aeroplane
		CAT.IDE.A.115	Lighting supplied from the aeroplane's electrical system to provide illumination in all passenger compartments
		CAT.IDE.A.115	An independent portable light for each required crew member readily accessible to crew members when seated at their designated stations
		CAT.IDE.A.115	Navigation/position lights
		CAT.IDE.A.115	Two landing lights or a single light having two separately energised filaments
		CAT.IDE.A.120	Means to maintain a clear portion of the windshield during precipitation at each pilot station
		CAT.IDE.A.125	A means of measuring and displaying magnetic heading available at the pilot's station
		CAT.IDE.A.125	A means of measuring and displaying time in hours, minutes, and seconds available at the pilot's station
		CAT.IDE.A.125	A means of measuring and displaying barometric altitude available at the pilot's station
		CAT.IDE.A.125	A means of measuring and displaying indicated airspeed available at the pilot's station
		CAT.IDE.A.125	A means of measuring and displaying vertical speed available at the pilot's station
		CAT.IDE.A.125	A means of measuring and displaying Turn and slip available at the pilot's station
		CAT.IDE.A.125	A means of measuring and displaying attitude available at the pilot's station
		CAT.IDE.A.125	A means of measuring and displaying heading available at the pilot's station
		CAT.IDE.A.125	A means of measuring and displaying outside air temperature available at the pilot's station
		CAT.IDE.A.125	A means of indicating when the supply of power to the required flight instruments is not adequate

When all applicable flight conditions have been indicated, an overall PDF form can be generated. It is also possible to generate an Excel or PDF file of the equipment list only to use it in another working document.

If you use the Y-System regularly to control the equipment necessary for the flight, it will be useful for you to save your aircraft data so that it is not necessary to reconfigure the aircraft at the next check. To save the data it is necessary to log in to the system. Our privacy policy states that under no circumstances will we give the recorded data to third parties. However, the program can be used in the same way without being logged in, but in this case, every time you have to insert the aircraft and flight operation details.


There is a search function for the needs of a single component, regardless of the aircraft. The second block "Search Equipment" allows you to select an equipment and check the parts of the EU regulations that provide for its use and under which conditions. In the list that appears divided by Part and Part-item, it is possible to check the conditions with the link "Check" placed in the right column.

Equipment			
Part	Referred Part Item	Description	Condition
CAT	CAT.IDE.A.125	A means of measuring and displaying Mach number available at the pilot's station	Check
CAT	CAT.IDE.A.130	A means of measuring and displaying Mach number	Check
NCC	NCC.IDE.A.120	A means of measuring and displaying Mach number	Check
NCC	NCC.IDE.A.120	An additional separate means of displaying Mach number	Check
NCC	NCC.IDE.A.125	A means of measuring and displaying Mach number	Check
NCC	NCC.IDE.A.125	An additional separate means of displaying Mach number for the second pilot	Check
NCO	NCO.IDE.A.120	A means of measuring and displaying the Mach number	Check
NCO	NCO.IDE.A.125	A means of measuring and displaying the Mach number	Check
SPO	SPO.IDE.A.120	A means of measuring and displaying Mach number	Check
SPO	SPO.IDE.A.120	An additional separate means of displaying Mach number	Check
SPO	SPO.IDE.A.125	A means of measuring and displaying Mach number	Check
SPO	SPO.IDE.A.125	An additional separate means of displaying for the second pilot Mach number	Check


Number of records: 12

A further check is possible with the third search block "Part-Item as inserted". By selecting a Part and a Part-Item it is shown how that item has been inserted in the system. In case of doubt this is the way to check the data on which the implementation of that item in the system is based. In case of any discrepancy detected, please use the "Contact Us" form on the home page to contact our staff.

EASA Part Item as inserted	EASA Part	CAT Commercial Air Transport Operations	Check
Part Item		- select -	



- CAT.IDE.A.235
- CAT.IDE.A.240
- CAT.IDE.A.245
- CAT.IDE.A.250
- CAT.IDE.A.255
- CAT.IDE.A.265
- CAT.IDE.A.270
- CAT.IDE.A.275
- CAT.IDE.A.280
- CAT.IDE.A.285



Aerocom Y-System is offered free of charge to the aviation community and is part of the Aerocom family of systems on sale or complimentary accessible from the home page www.aerocomsystem.com.

Applicable EASA Part	CAT
Referred Part Item	CAT.IDE.A.125
Description	A means for preventing malfunction of the airspeed indicating systems due to condensation or icing
A/C Type	Aeroplane
Conditions	
Aeroplane operated under VFR by day and	
MCTOM From 5701 Kg	
OR	
Aeroplane operated under VFR by day and	
MOPSC From 10	
OR	
Aeroplane operated under VFR by day and	
CoFA Issued Since 1999-04-01	