

LEGEND AND EXPLANATION

10 RESCUE AND FIRE FIGHTING SYSTEM

Airport categories for rescue and fire fighting are based on the over-all length of the longest aeroplane normally using the airport and its maximum fuselage width as detailed in table 1.1.

Table 1.2. shows the minimum usable amounts of extinguishing agents related to the airport categories. They will be shown in the airport listings as "Fire" followed by the category number (e.g. Fire 5).

Where fire fighting equipment is available but the category is not defined, the letter U (Uncategorized) will be published (e.g. Fire U).

If different category numbers are published for one airport, the lowest category number will be shown. The higher category number with the relevant note (e.g. Fire 7 PTO, Fire 7 PPR ... etc.) can be found within the airport information block.

Table 1.1. Airport category for rescue and fire fighting

Airport cat. ¹			
ICAO	FAA	Aeroplane over-all length (ft/m)	Maximum fuselage width (ft/m)
1	A	0 up to but not including 30/9	7/2
2		30/9 up to but not including 39/12	7/2
3		39/12 up to but not including 59/18	10/3
4		59/18 up to but not including 79/24	13/4
5		79/24 up to but not including 92/28	13/4
6	B	92/28 up to but not including 128/39	16/5
7	C	128/39 up to but not including 161/49	16/5
8	D	161/49 up to but not including 200/61	23/7
9	E	200/61 up to but not including 249/76	23/7
10		249/76 up to but not including 295/90	26/8

¹ The airport category shown in the Tabulation above should be considered as guideline only. To determine the exact rescue and fire airport category refer to ICAO DOC 9137 Chapter 2/(2.1.6) & FAA regulations §139.315, §139.317.

Table 1.2. Minimum Usable Amounts of Extinguishing Agents

Airport category		Foam meeting performance level A		Foam meeting performance level B		Complementary Agents		
ICAO	FAA ¹	Water Gal/L	Discharge Rate foam solution/ minute Gal/L	Water Gal/L	Discharge Rate foam solution/ minute Gal/L	Dry Chemical Powders Lbs/kg	Gallons or Lbs/kg	CO ₂ or Lbs/kg
1	A	90/350	90/350	60/230	60/230	100/45	100/45	200/90
2		220/1000	210/800	180/670	150/550	200/90	200/90	400/180
3		400/1800	340/1300	320/1200	240/900	300/135	300/135	600/270
4		790/3600	690/2600	630/2400	480/1800	300/135	300/135	600/270
5		1780/8100	1190/4500	1430/5400	790/3000	400/180	400/180	800/360
6	B	2600/11800	1590/6000	2090/7900	1060/4000	500/225	500/225	1000/450
7	C	4800/18200	2090/7900	3200/12100	1400/5300	500/225	500/225	1000/450
8	D	7210/27300	2850/10800	4810/18200	1900/7200	1000/450	1000/450	2000/900
9	E	9620/36400	3570/13500	6420/24300	2380/9000	1000/450	1000/450	2000/900
10		12730/48200	4390/16600	8530/32300	2960/11200	1000/450	1000/450	2000/900

¹ The FAA fire fighting categories requires equipment similar to the ICAO fire fighting equipment shown in the table above.

The principal extinguishing agent should be:

- a. a foam meeting the minimum performance level A; or
- b. a foam meeting the minimum performance level B; or
- c. a combination of these agents.