

	TANZANIA CIVIL AVIATION AUTHORITY SAFETY REGULATION	Revision: 1
Document No. TCAA/FRM/SR/AGA-34	CHECKLIST FOR INSPECTION OF AERODROME RESCUE AND FIRE FIGHTING (ARFF) VEHICLES	Page 1 of 11



AERODROME NAME:	ICAO REFERENCE CODE:
PHYSICAL ADDRESS:	POSTAL ADDRESS:
AERODROME INSPECTOR:	DATE:
Assessment Code: <i>S = Satisfactory (Requirements met)</i> <i>N/S = Not Satisfactory (Requirements not met)</i> <i>N/A = Not Applicable</i> <i>N/C = Not Checked</i>	


S/N	Ref: ICAO A14 V1&Doc 9137 P1	Items	Assessment				
			S	NS	N/A	NC	Remarks
A		INSPECTION OF PHYSICAL FACILITIES					
1		What are the overall condition of the ARFF vehicles (clean; well - maintained or dirty; not well-maintained)					
2	Table 5-2 (Annex 1 to this checklist)	Does firefighters know what equipment is located in truck compartments before they are opened					
3		What are the overall condition of tires ► worn tires provide poor traction in muddy off-pavement conditions					

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S/N	Ref: ICAO A14 V1&Doc 9137 P1	Items	Assessment				
			S	NS	N/A	NC	Remarks
4		Does nitrogen tank not discharged or below minimum pressure					
5		Does fire extinguishers not discharged and are suitable for ARFF use ABC rated multipurpose dry chemical extinguishers should not be on ARFF vehicles; they are highly corrosive to aircraft and can cause extensive damage to aircraft engines					
6	4.3.1	Does the vehicle equipped with two-way radio communications equipment, through which their movements can at all times be subject to direction by air traffic control					
7	6.1	Do fire fighters properly equipped with good condition and adequacy protective clothing to perform their duties					

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S/N	Ref: ICAO A14 V1&Doc 9137 P1	Items	Assessment				
			S	NS	N/A	NC	Remarks
8	6.2.1	Does each firefighter have their own set of protective clothing					
9	2.2	Does the extinguishing agents meet minimum performance level requirements: <ul style="list-style-type: none">  Foam  Dry chemical powder 					
10	2.3.1	Does the amounts of water for foam production and the complementary agents provided on the RFF vehicles in accordance with the airport category					
11	2.3.4	Does the quantity of foam concentrate separately provided on vehicles for foam production in proportion to the quantity of water provided and the foam concentrate selected.					
		Does the amount of foam concentrate be sufficient to supply at least two full loads of such quantity of					

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S/N	Ref: ICAO A14 V1&Doc 9137 P1	Items	Assessment				
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		water and sufficient additional water supplies immediately available to ensure a rapid replenishment of the water content carried.					
12	2.6.1	Does the quantities of the various extinguishing agents provided in the RFF vehicles in accordance with the airport category.					
		Does a reserve supply of foam concentrate equivalent to 200 per cent of the quantities of these agents maintained on the airport for vehicle replenishment purposes.					
13	2.6.2	Does a reserve supply of a complementary agent, equivalent to 100 per cent of the quantity specified according to fire category maintained on the aerodrome for vehicle replenishment purposes.					

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			S	NS	N/A	NC	Remarks
		Does the propellant gas sufficient included to utilize this reserve complementary agent.					
	B	EVALUATION OF ARFF TRAINING					
14		Does the personnel at ARFF vehicle able to conduct practical demonstration of equipment such as the perishing nozzle, turrets, hand lines, rescue tools					
	C	RESPONSE TEST					
15	2.7.1	Does an operational procedure in place and tested to enable a successful ARFF response					
		Does the determination of realistic response times attained by RFF vehicles operating from their normal locations					
16		Does the alarm system and communications adequate					

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S/N	Ref: ICAO A14 V1&Doc 9137 P1	Items	Assessment				
			S	NS	N/A	NC	Remarks
17	9.2.46 A14 V1	Does ARFF personnel ✚ properly cloth and equipped ✚ Follow appropriate procedures ✚ proficient in operating equipment					
	D	INSPECTION OF LIVE FIRE TRAINING FACILITIES					
18	9.2.42 A14 V1	Does all ARFF personnel participated in a live fire drill commensurate with the types of aircraft and type of rescue and firefighting equipment in use at the aerodrome, including pressure-fed fuel fires					
19		What are the condition of the facilities if live fire training is conducted near the airport;					

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			S	NS	N/A	NC	Remarks
		REMARKS					
		INSPECTOR (S) SIGNATURE:					



Annex 1. Guidance material related to rescue equipment carried on RFF vehicles

Equipment scope	Equipment item	Airport category			
		1-2	3-5	6-7	8-10
Forcible entry tools	Prying tool (hooligan, Biel type)	1	1	1	2
	Crowbar 95 cm	1	1	1	2
	Crowbar 1.65 m	1	1	1	2
	Axe, rescue large non wedge type	1	1	1	2
	Axe, rescue small non wedge or aircraft type	1	2	2	4
	Cutter bolt 61 cm	1	1	2	2
	Hammer 1.8 kg – lump or club type	1	1	2	2
	Chisel cold 2.5 cm	1	1	2	2
A suitable range of rescue/cut-in equipment including powered rescue tools	Hydraulic/electrical (or combination) portable rescue equipment	1	1	1	2
	Powered rescue saw complete with minimum 406 mm diameter spare blades	1	1	1	2
	Reciprocating/oscillating saw	1	1	1	2
A range of	Delivery hoses 30 m lengths x 50 and 64 mm diameters	6	10	16	22
	Foam branches (nozzles)	1	1	2	3
	Water branches (nozzles)	1	2	4	6



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equipment for the delivery of firefighting agent	Coupling adaptors	1	1	2	3
	Portable fire extinguishers				
	CO ²	1	1	2	3
	DCP	1	1	2	3
Self-contained breathing apparatus – sufficient to maintain prolonged internal operations	Breathing apparatus (BA) set complete with facemask and air cylinder				
	BA spare air cylinder				
	BA spare facemask				
Respirators	Full faced respirators complete with filters	One per responding firefighter			

Equipment scope	Equipment item	Airport category			
		1-2	3-5	6-7	8-10
A range of ladders	Extension ladder, rescue and suitable for critical aircraft	-	1	2	3
	Ladder general purpose – rescue capable	1	1	1	2
Protective clothing	Firefighting helmet, coats, over trousers (complete with braces), boots and gloves as a	One set per operational firefighter plus a percentage of reserve stock			
Additional items for personal protection	Protective goggles	1	1	2	3
	Flash hoods	One per operational firefighter			
	Surgical gloves	1 box	1 box	1 box	1 box
	Blanket fire resisting	1	1	2	2
Rope lines	Rope line rescue 45 m	1	1	2	2
	Rope line general use 30 m	1	1	2	2
	Rope line pocket 6 m	One per operational firefighter			
Communication equipment	Portable transceivers (hand held and intrinsically safe)	1	2	2	3
	Mobile transceivers (vehicle)	One for each fire vehicle			
A range of hand-held/portable lighting equipment	Hand-held flashlight (intrinsically safe)	1	2	4	4
	Portable lighting – spot or flood (intrinsically safe)	1	1	2	3
A range of general hand	Shovel overhaul	1	1	2	2
Rescue tool box and contents		1	1	2	3
	Hammer, claw 0.6 kg				
	Cutters, cable 1.6 cm				

	Socket set
	Hacksaw, heavy duty complete with spare blades
	Wrecking bar 30 cm
	Screwdriver set – slotted and Phillips heads
	Pliers, insulated Combination 20 cm Side cutting 20 cm Slip joint – multi-grip 25 cm
	Seat belt/harness cutting tool
	Wrench, adjustable 30 cm

	Spanners, combination 10 mm – 21 mm				
First aid equipment	Medical first-aid kit	1	1	2	3
	Automated External Defibrillator (AED)	1	1	2	3
	Oxygen Resuscitation Equipment (ORE)	1	1	2	3
Miscellaneous equipment	Chocks and wedges – various sizes				
	Tarpaulin – lightweight	1	1	2	3
	Thermal imaging camera	-	-	1	2