



Royal Flying Doctor Service
WESTERN OPERATIONS

Clinical Manual

Part 5 Standard Aircraft Minimum Equipment List

Version 9.0
May 2019

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Clinical Manual - Part 5 – Standard Aircraft Minimum Equipment List
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STANDARD AIRCRAFT MINIMUM EQUIPMENT LIST

	SIZE	QTY	COMMENTS
AIRWAY & BREATHING			
Basic airway equipment			
Oropharyngeal Airways	4	1	With yellow intubation booklet.
	3	1	
	2	1	
	1	1	
	0	1	
Nasopharyngeal Airways	8	1	
	7	1	
	6	1	
Self-inflating adult bag-valve-mask assembly with reservoir bag and tubing. (Disposable)		1	Red Zip Bag
Self-inflating child bag-valve assembly. (Disposable)		1	Blue Zip Bag
Demand resuscitator CIG with flow control or MTV-100		1	
Resuscitation masks	5	1	Suit BM or Demand Resuscitator
	4	1	
	3	1	
	2 (donut)	1	
	1 (donut)	1	
Oxygen & suction			
Oxygen (aircraft supply plus optional D cylinders)		3000 6000 litres	
Portable oxygen supply	D	1600 litres	Removable from aircraft for field use
"O" series regulators		1 - 3	One per cylinder (removable)
Oxygen outlets		2 - 4	One per patient
Oxygen flowmeters CIG		2 - 4	One per available outlet up to 4
Oxygen cylinder key		1	
Twin-O-Vac venturi suction		2	
Yankauer rigid disposable sucker		2	
Suction tubing 2 metres		2	
Y-suction catheters	8	2	
	10	2	
	12	2	
	14	2	
Suction taps		2-3	
Disposable suction canisters & inserts		2-3	
In-line suction catheter	12	1	Zoll extras box
	14	1	Zoll extras box
Oxygen delivery			
Nasal prongs	Adult	4	
	Child	2	
Simple (Hudson) face masks with tubing	Adult	2	
	Child	2	
Non-rebreather masks with reservoir bag	Adult	2	
Non-rebreather mask with reservoir bag	Child	2	
Nebuliser masks	Adult	2	
	Child	2	

	SIZE	QTY	COMMENTS
Nebuliser attachment - ventilator circuit		1	To be kept with ventilator
Disposable paediatric circuit (Ayre's T-piece)		1	Kept with ventilator
Disposable Mapleson C circuit		1	Kept with ventilator
NIVAIRO mask	Med	1	Kept with ventilator
	Lge	1	Kept with ventilator
Adult CO ₂ oral/nasal sampling set		2	
Emergency Airway Kit			
Melker cuffed emergency cricothyroidotomy catheter set	5.0mm	1	
14G Insyte cannula and 10mL syringe		1	
10mL syringe		1	
Portex Tracheostomy tube 6.0mm		1	
Disposable scalpel (No. 11 blade)		1	
LMA Fastrach (intubating LMA)	4	1	
LMA Fastrach ET tube	7.0	1	
APA videolaryngoscope			Handle and spare AA batteries x 2, Video unit and charger (kept on charge in aft cabinet), Miller and MAC camera units.
APA blade - disposable	MAC3, MAC4, Miller 1, U-DAB (difficult airway channeled blade)	1 of each	
Rapid O ₂ insufflation device		1	
Intubation equipment			
Laryngoscope handles (standard C size, non-fibreoptic)	Medium	2	(One may be carried with ventilator accessories).
Laryngoscope blades Macintosh (standard, non-fibreoptic)	Large (4)	1	
	Medium (3)	1	
	Child (2)	1	
Neonatal laryngoscope blade Miller straight	Neonate (0)	1	
Spare batteries for laryngoscope	"C" cells	2	
Spare bulbs for laryngoscope		2	
Magill's forceps	Adult	1	
	Child	1	
Introducers ("Satin slip")	Adult	1	
	Child	1	
Disposable catheter mount		1	
Cloth tape 1cm width, 1 metre length		2	
Heat & moisture exchanger with bacteriostatic filter	Adult	1	Red Zip Bag
	Child	1	Blue Zip Bag
Heat & moisture exchanger "T" piece "Swedish Nose"		1	Zoll extras box
Oxygen attachment clip for "Swedish Nose"		1	Zoll extras box
KY jelly (sterile sachets)		2	

Endotracheal tubes – cuffed	6	1	Portex connectors, sterile	
	7	1		
	8	1		
	9	1		
	Endotracheal tubes - uncuffed	6	1	Kimberley-Clarke “Microcuff”, sterile
		5	1	
		4	1	
		3.5	1	
3		1		
2.5	1			
ETT cuff pressure manometer		1	Zoll extras box.	
FROVA bougie (adult)		1		
Rapifit adaptor for FROVA bougie		1		
Paediatric bougie 10FRx70cm, coude tip by Meditech		1		
Laryngeal mask airways	1	1	“Unique”	
	2	1	“Unique”	
	3	1	Pacmed “Supreme”	
	4	1	Pacmed “Supreme”	
	5	1	Pacmed “Supreme”	
10 mL syringe		1		
Normal saline	10mL	1		
Small artery forceps (guarded)		1		
Laminated intubation checklist		2	1 in yellow intubation booklet, 1 in Zoll extras box.	
Chest drainage equipment				
Intercostal catheters (Argyle) with trocar	32F	2		
	24F	2	22F not available	
	10F	2		
Angiocaths (unprotected)	14G Long	2	Long - needle thoracocentesis	
Pneumostat drain (small)		2		
Atrium “Express” drain	500ml	1		
Graduated connectors		2		
Short sterile connector tubing 5cm		4		
Large guarded artery clamps		2	Clamping ICC’s	
Russell PneumoFix		1		
CIRCULATION				
Intravenous access				
Intravenous cannulae Braun Vasofix Safety self sheathing	14G Short	2	Short - vascular access	
	16G	2		
	18G	2		
	20G	2		
	22G	2		
	24G	2		unguarded
Scalp veins (butterfly sets)	21G	2		
	25G	2		
EZI-IO drill		1		
EZI-IO needle	15mm	2		
	25mm	2		
	45mm	2		
Central venous catheter set (triple lumen)		1	Zoll extras box	
Arrow Rapid Infusion Catheter (RIC) Exchange Kits		1	Zoll extras box	

Umbilical catheter set	3.5	1	Obstetric Pack
	5	1	
Pericardiocentesis needle (18G long spinal needle)		2	
Pajunk Sonoplex Nerve block needle	21Gx100mm	1	In Red IV roll
IV cannulae injection ports (needle-free)		5	Smartsite
Three-way taps, screw lock		2	
Multiflow adaptors (1:3)		1	
Extension tubing (75 cm) Luer Lock		2	Also with syringe drivers
Tourniquets, elastic, plastic clip		2	
Adhesive sterile dressings		5	eg Cutiplast
Razor (disposable)		1	
Splints – forearm forearm (child)	adult		Use sam splints
	child	2	
Arterial lines			
Radial Artery Catheterisation Set [Arrow "Quickflash" RA-04220]	20g x 1-1/2 inch.	2	Zoll extras box
Intravenous cannulae (unprotected)	20g	2	Zoll extras box
SafeSet Blood Sampling System			
IV administration			
Blood transfusion set (with hand pump)		3	
Blood filter		1	
Giving set with Y-injector sites		4	Bodyguard lines
Paediatric chamber (burette)		1	
Pressure bags with gauge		3	Suitable arterial or IV lines. (2 in fluids drawer, 1 in Zoll extras box.)
IV fluids			
Normal Saline	500 mL	6	Increased to 6
Dextrose 5%	500 mL	2	
5% Dextrose + Normal Saline	1000 mL	1	
10% Dextrose	500 mL	1	
IV additive labels		10	
Hartman's solution	500ml	4	
Normal Saline bag	100ml	2	
50% Dextrose	100ml	2	
Hypertonic saline 20%	10mL	10	On drug list
Syringes & needles			
Syringes	50 mL	2	And 2 with each syringe drivers
	20 mL	5	
	10 mL	5	
	5 mL	5	
	2 mL	5	
	1 mL	5	
Luer lock caps (for syringes)		5	
Isopropyl alcohol wipes		20	Quantities consolidated
Needles	18/19G	5	Blunt drawing up and sharp
	21 G	5	
	23 G	5	
	25 G	5	

DRESSINGS			
Triangular bandages		2	
Field dressings OR large combines + 10cm crepe bandages		4	
Crepe bandages /elastic conforming	15 cm (6")	2/2	
	10 cm (4")	2	
	5 cm (2")	2	
Small combines		2	
Non-stick wound dressings (eg Melolin)	Large	2	
Gauze swabs		6 packs	
Eye pads		4	
Band-aids		1 small pk	
Steristrips (wide)		1 pack	
Adhesive tape - Fixomull	5 cm	1	15-20 cm strip
Adhesive tape - Microfoam	2 cm	1 roll	
Adhesive tape - Leukoplast/Elastoplast	1.25 cm	2 roll	
Adhesive tape, waterproof - Sleek	2.5 cm	1 roll	
Safety pins	Large	6	
Antiseptic solution - Povidone Iodine	30 mL	3	Swab sticks
Antiseptic solution - Chlorhexidine aqueous	20 mL	2	
Dressing pack – disposable		2	
Sterile towel (fenestrated) – disposable		2	
SUTURE & CUT-DOWN			
Dressing packs - disposable		1	
Dissecting forceps (Metzenbaum 15cm)		1	All instruments sterile, in disposable suture / cutdown pack
Scissors (Wagner) 12.5cm		1	
Needle holder (Mayo Hegar)		1	
Curved forceps (mosquito) 12.5cm		1	
Tissue forceps (Gillies) 15cm		1	
Curved forceps (Rochester Pean) 20cm		1	
Tissue forceps (Adson) 12cm		1	
Large artery clamps		2	
Disposable scalpels	No 11	1	
	No 23	1	
Suture silk with atraumatic curved needles	0	1	Securing ICC's/ as ties
	3/0	1	
Catgut (chromic)	2/0	1	
NASOGASTRIC			
Nasogastric tubes	5 & 6	1	
	8	1	
	10	1	
	12	1	
Salem Sump NG Tubes	12	1	
	14	1	
Drainage bags		2	
Litmus paper		1 pack	
Lubricant jelly sachets		1	
Nutrisafe syringes	5 mL	2	
Nutrisafe syringes	10 mL	2	
Rapid rhino nasal pack		1	Kept at base

OBSTETRIC			
Cord clamps (plastic)		2	
Clamps (Rochester Pean) 20 cm		2	In disposable obstetric instrument set
Scissors Mayo Op 17cm		1	In disposable obstetric instrument set
Incontinent sheets		4	
Name bands (white or clear)		2	
Sanitary pads	pack	1	
Bubble wrap /foil		1	
Cuddly rug		2	
Tubes for cord blood	Plain	2	
	EDTA	1	
HELPER mnemonic card		1	
Disposable kidney dish		1	
Yellow hazard waste bag		1	
URINARY CATHETER			
Foley's catheters	10F	1	
	12F	1	
	14F	1	
	16F	1	
Drainage bags with release valve		2	
Paediatric urine collectors		2	
Lignocaine gel syringe		1	
Chlorhexidine solution	20 mL	1	
10 mL syringe		1	
10 mL water		1	
Urinary drainage bag, hourly measure		1	ALS Bag Two
Suprapubic catheter set		1	Available at base. Cystofix®
Catheter tip syringe	50 mL	1	
SPLINTS & IMMOBILISATION			
Vacuum mattress		1	Taken as required.
Scoop stretcher		1	Taken as required
Head immobiliser (Ferno)		1	
Child's seatbelt attachment		2	
Arm and leg restraints (Hemco Psychiatric)		1 set	
Cervical collars (Stifneck Select)	Adult	2	Adjustable
Cervical collars (Stifneck Paediatric)	Child	1	
Cervical collars (Stifneck Baby No-Neck)	Child	1	
Carrying case (Stifneck)		1	
Pedimate 5 point harness		1	
Limb splints (SAM moldable 36")		2	
Aspen Vista Collars		1	On Aircraft
T-pod pelvic binder		1	
CT-6 Traction Splint		1	On aircraft
TAC Med SOF Tourniquet (orange)		1	
DIAGNOSTIC			
Stethoscope	Adult	1	
Adult large cuff		1	
Adult standard cuff		1	
Child cuff		1	
Infant cuff		1	
Thermometer (electronic)		1	

Braun Thermoscan & Speculae		1	
Torch (pen)		1	
Blood glucose and ketone test strips		1 bottle	
Lancets		5	
Glucometer		1	
Diagnostic set (Welch Allyn) in case & spare batteries		1	
Patella Hammer (small)		1	
Doppler stethoscope & spare batteries		1	
Plain Glass Tube		1	Whole Blood Clotting Test

DOCUMENTATION & REFERENCES

Reference: Clinical Manual		1	
Reference: Drug Doses RCH 13 th Ed.		1	
Reference: Intensive Care Manual 5 th Ed		1	
Reference: Survival handbook "Stay Alive"		1	
Stationery – Pre-flight Assessment Pads		1	
Stationery – Flight Registration Books		1	
Stationery – In-flight Observation Charts		1	
Stationery – Transfer Envelopes (spare)		3	
Stationery – Valuables Envelopes		5	
Emergency Psychiatric Treatment Forms		5	
Laminated instructions for Escorts		1	
Ketamine & Airway Audit forms			
Smart Triage Tags			ALS bag

MISCELLANEOUS

Large plastic bags		2	
Small plastic bags		4	
Sic sacs		6	
Torch (general purpose)		1	Petzel
Incontinent sheets		4	
Bedpan		1	
Bedpan – slipper		1	Additional
Adsorbent granules		1	
Urinal (non-spill)		1	
Paper cups		8	
Drinking straws		8	
Air freshener spray		1	
Insect repellent – topical		1	
Insect repellent – spray		1	
Tissues facial		1 box	
Pre-moistened wipes (eg Wet Ones)		1 pack	
Plastic /container with lid	5-10 litre	1	Multiple uses & waste disposal.
Scissors – heavy duty, non-sterile		1	
Scissors – standard dressing, non-sterile		1	
Mouth care – Swabs		6	
- Normal saline sachets	30 mL	6	
- Lanoline		1 tube	
KY jelly		4	
Chux wipes		6	
Sanitary pads		1 pack	
Disposable nappies	Small	2	5-10 kg
	Large	2	10-15 kg

PROTECTIVE EQUIPMENT			
Gloves – sterile	6/0	2 pairs	
	6.5	2 pairs	
	7	2 pairs	
	7.5	2 pairs	
	8	2 pairs	
Gloves – non-sterile	small	5 pair	
	medium	5 pair	
	large	5 pair	
Fluidshield PR95 protective masks		6	
Earplugs foam		10 pair	
Protective glasses		2 pair	
Sunglasses		1 pair	For patient use
Sharps container		2	
Chlorhexidine hand lotion		1	
Antiseptic hand rub with Chlorhexidine Gluc 0.5%		2	
Sterile Gowns		3	
LINEN			
Stretcher packs containing sheet, canvas, pillow, pillowcase & blanket		2	1 per stretcher
Space blankets (foil)		2	
Blankets (additional)		2	
EasyWarm Blanket		1	
Pillow (additional)		1-2	
LIFEPORT EQUIPMENT			
Aerosled Arch with adjustable IV pole		2	One per stretcher
Equipment rotating mounts		4	Two per arch
Thumbscrews for Aero Sled Arch		4 small	Spares
		4 large	
OTHER			
Headsets		2	
Keys (base buildings/aircraft etc)			
Safety briefing card			
Large clear plastic sheet		1	
Hard esky		1	Specimen transport
Water (drinking)		2 litre	In plastic container
Variety of cargo tie downs & restraint items (not medical equipment, but list in aircraft layout for completeness.)			
ELECTROMEDICAL			
Zoll X series monitor/defibrillator pacer		2	
Multifunction adult /paed pacing /defib pads		2	
12 lead ECG cables		1	
Bodyguard pumps and power cable		2	
Huntleigh Fetal Doppler		1	
Glucometer		1	