

FLIGHT OPERATION INSTRUCTION – 103

ieX FOI 103 V1.1 May 09

Hastings Fire Service Remote Extrication Procedure

1. Introduction

This procedure is to be implemented for the helicopter transportation of rescue cutting equipment and fire service personnel to the site of extrications in remote areas in the Eastland Region of the North Island.

2. Photo of Extrication Equipment



Remote Extrication Equipment

3. Equipment List

The remote extrication equipment consists of the following four items;

- Pump (25 Kg)
- Combi Spreader (15 Kg)
- Utility Box (60 Kg)
- Canvas Cover (0.5 Kg and designed for pump to sit in to contain any fluid spills)

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4. Dispatch

The call to initiate a remote extrication response will be made via the Emergency Ambulance Communication Centre (Central Comms) who will page the rescue helicopter crew. Hastings Fire Service personnel and extrication equipment will proceed to the rescue helicopter base.

5. Aircraft

Air 1 Hastings (HFZ) is to be utilized in the first instance, however if it is already responding to the same incident with a medical team, or away on another task and unavailable Air 2 Hastings may be used.

6. Crewing

Along with the pilot two firemen in full level 2 gear will crew the helicopter. As these firemen average out at close to 120 Kg each when kitted out in their Level 2 gear, there is no room for anyone else (see weight & balance example below).



Fire Service Crew

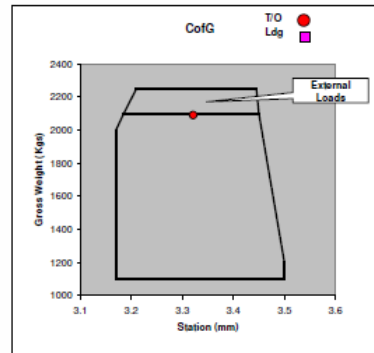
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Ambulance Load Sheet

SKYLINE AVIATION LTD AMBULANCE FLIGHT MANIFEST			
Aircraft Type	AS350BA	Pilot	B Williams
Registration	ZK-HFZ	Date	25/05/2009
Departure Port	HS	Destination	?
Passengers/Cargo			
	Name	Declared Wt	Weight
Pilot	B Williams	91 kg	95 kg
Crew (Front Seat)	Front Seat	-12 kg	-8 kg
Patient	Utility Box	60 kg	64 kg
Paramedic			
Int Cargo	Medical & Flight Gear		10 kg
Rear Pax	Fireman 1	120 kg	124 kg
Rear Pax	Fireman 2	120 kg	124 kg
Rear Pax			
Cargo Right	Medical Gear		
Cargo Left	Medical Gear		
Cargo Rear	Medical Gear		40 kg
Night Sun			
Winch	Fitted		43 kg
FLIR			
Pod		Pod Load	
Max T/O Ldg Alt	Distance	Totals	492 kg
1000	#NA	A/C OP Wt	1338 kg
Max OAT	20	Zero Fuel	1830 kg
Max Wt IGE	2100kg	Fuel %	60%
Max Wt OGE	2250kg	Act T/O Wt	2066 kg
C of G T/O	C of G Ldg	Act Ldg Wt	#NA
3.32	#NA		
OK	#NA		

#NA
#NA



Flight times calculated @ 110 Kts
Fuel calculated with 20% reserve

7. Equipment Location in Aircraft

Remove the co-pilot seat and all medical equipment from side lockers and boot. Place the utility box in the cabin where the co-pilot seat normally is and use the co-pilot seat belt to secure.

Place the pump and combi spreader in the boot, ensuring the pump is placed in the canvas bag in case of fluid spills.

Note: This same procedure applies to both Air 1 Hastings and Air 2 Hastings.



Utility Box in cabin



Canvas Cover, Pump & Combi Spreader in boot