

<b>Manitoulin-Sudbury District Services Board POLICY &amp; PROCEDURES MANUAL</b>	
Section: G. Paramedic Services	Effective Date: April 30, 2019
Topic: 8. Occupational Health & Safety	Replaces: March 1, 2010
Subject: 4. Operation Around Aircraft	
Policy No. G.8.4. 2019	
<b>PURPOSE</b>	

To provide guidelines for ambulance staff working in or around rotor wing aircraft (helicopters) and fixed wing aircraft.

<b>APPLICATION</b>
--------------------

Paramedics, Paramedic Superintendents, Senior Managers

<b>PROCEDURE</b>
------------------

### **Rotor Wing Helicopters**

- Landing site preparation and security must be as per MOHLTC BLS Patient Care Standards, specifically the Air Ambulance Utilization Standard, and the Orange Helicopter Safety Sheet.
- NEVER APPROACH ANY HELICOPTER UNTIL THE ROTOR HAS STOPPED, or until advised to do so by a member of the aircraft flight crew.
- Paramedics should STAY IN THE AMBULANCE until directed to approach the aircraft.
- When approaching or leaving the area of the helicopter, always remain within the pilot's normal area of vision, remain in a crouched position when walking under the helicopter rotor disk area.
- On sloping or irregular landing surfaces, Paramedics should never position or approach from the up-slope side of the aircraft.
- The area adjacent to the landing site must be clear of loose objects such as tarps, cardboard boxes, clothing, etc.
- Keep vehicle doors and windows closed when in the landing area.
- SMOKING is not permitted during the arrival or departure of a helicopter.
- Loading and unloaded from an air ambulance helicopter must be directed by a member of the flight crew.
- Never operate a vehicle in proximity to the helicopter without direction from the flight crew.
- Under no circumstances will any personnel go around the tail section of the helicopter.
- When approaching the helicopter, nothing should be higher than your head (I.V. poles, etc.).

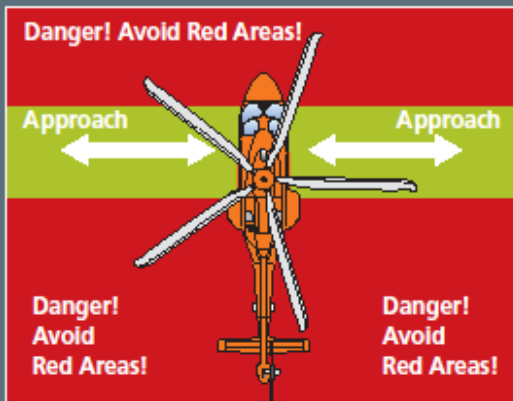
**Manitoulin-Sudbury District Services Board  
POLICY & PROCEDURES MANUAL**

Section: G. Paramedic Services	Effective Date: April 30, 2019
Topic: 8. Occupational Health & Safety	Replaces: March 1, 2010
Subject: 4. Operation Around Aircraft	
Policy No. G.8.4. 2019	



# Helicopter Safety

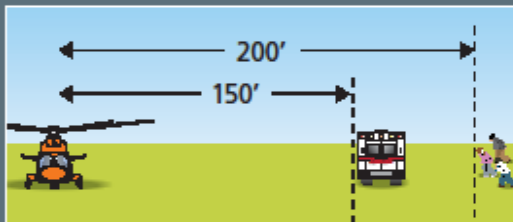
## APPROACHING OR LEAVING A HELICOPTER



**DO NOT APPROACH THE HELICOPTER** unless escorted by the pilot or crew members.



**IF ON UNEVEN GROUND**, approach or depart from the downhill side for maximum rotor clearance. **DO NOT RAISE ANYTHING ABOVE THE HEAD** and crouch while walking in the vicinity of the helicopter.



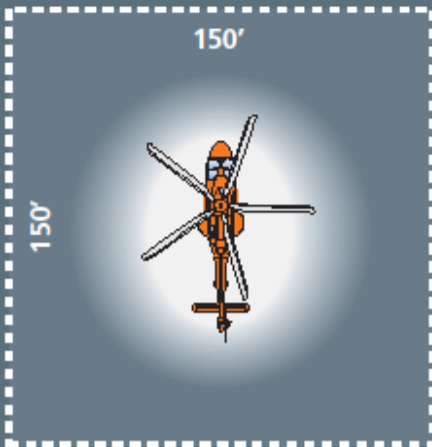
**SPECTATORS** must remain 200 feet clear of the helicopter. **EMERGENCY VEHICLES** must remain 150 feet away until instructed by the pilot or crew members. **NO VEHICLES OR PERSONNEL** are allowed within the landing zone during landing and take-off.



**BEWARE OF ROTOR DOWNWASH**

**PROTECT EYES** with safety goggles or turn head when helicopter is landing and departing.

## LANDING ZONE - 150 ft. x 150 ft.



- The helicopter's pilot-in-command is responsible for selecting the landing zone and has the final decision on whether or not to land.
- Surface should be flat as possible.
- No loose debris should be within the landing zone.
- Vehicle doors, windows and access compartments should be closed.
- Stretchers should be left in the ambulance and all loose articles secured until directed by pilot or crew members.
- Do not use flares or other objects to outline the landing zone.
- Fire fighters should not lay out hose, any hoses that have been laid must be charged.



Tel: 1 800 387 4672  
Fax 1 647 428 2006  
[www.ornge.ca](http://www.ornge.ca)

This information is applicable to Ornge helicopters only.


<b>Manitoulin-Sudbury District Services Board POLICY &amp; PROCEDURES MANUAL</b>	
Section: G. Paramedic Services	Effective Date: April 30, 2019
Topic: 8. Occupational Health & Safety	Replaces: March 1, 2010
Subject: 4. Operation Around Aircraft	
Policy No. G.8.4. 2019	

### **Fixed wing Aircraft**

- Where Manitoulin-Sudbury DSB Paramedics are required to operate in proximity to a fixed wing aircraft, the Paramedics shall follow instructions/directions pertaining to safety rules/procedures given by flight crew.
- Paramedics shall only move to airside of the facility when permission to do so has been granted by airport personnel or by established directive.
- Paramedics shall not have their emergency or OEM lighting in the active on position during aircraft approach as this may impact on pilot performance.
- Paramedics shall only reverse toward the aircraft for loading or unloading of a patient when directed to do so by a member of the flight crew.

**Manitoulin-Sudbury District Services Board  
POLICY & PROCEDURES MANUAL**

Section: G. Paramedic Services	Effective Date: April 30, 2019
Topic: 8. Occupational Health & Safety	Replaces: March 1, 2010
Subject: 4. Operation Around Aircraft	
Policy No. G.8.4. 2019	

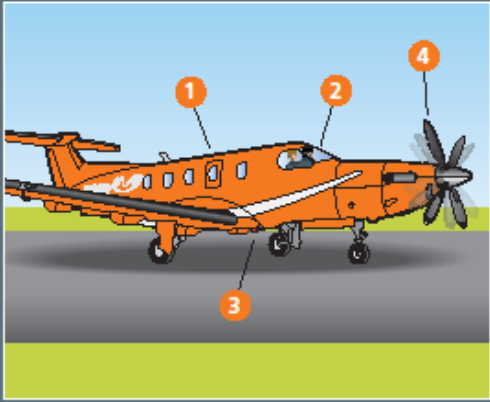


# Fixed Wing Aircraft Safety

**APPROACHING OR LEAVING A FIXED WING AIRCRAFT**

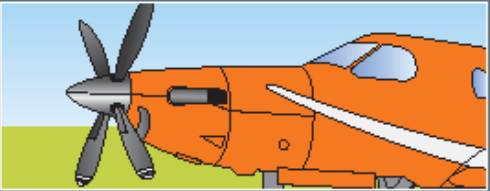
**Signs an aircraft is ready to move...**

**Use Caution when approaching:**

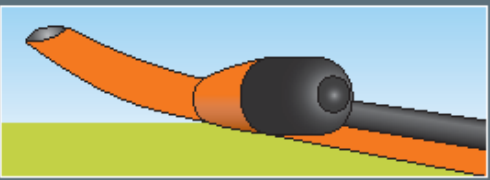


**Do not approach an aircraft when:**

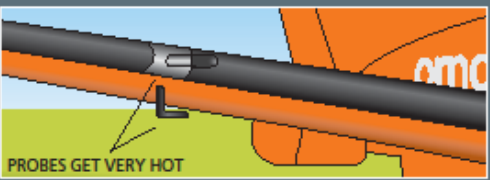
1. The aircraft doors are closed.
2. The pilots are in the cockpit.
3. The red rotating beacon is activated.
4. The propeller is spinning.



**The propeller.**

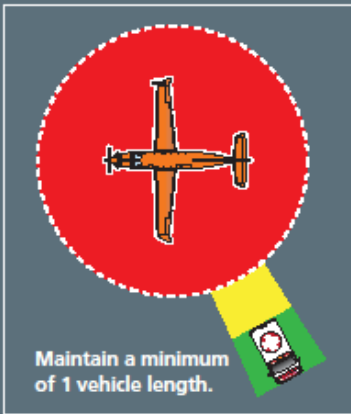


**Winglet (tip of the wing) and radome.**




**PROBES GET VERY HOT**  
Silver probe (angle of attack indicator) on front of wing and the bar below it (pitot tube).

**VEHICLE SAFE APPROACH CORRIDOR**



Maintain a minimum of 1 vehicle length.

1. Vehicle must maintain a distance of approximately 50 feet or at least 2 vehicle lengths from the aircraft until signalled by a pilot that it is safe to approach.
2. The vehicle should always remain a minimum of a vehicle length from the closest part of the aircraft.
3. Vehicle must have a flight crew member marshalling them if it is required to back up towards the aircraft.



Tel: 1 800 251 6543  
Fax 1 647 428 2006  
[www.omge.ca](http://www.omge.ca)

Version 1, 2010/08

<b>Manitoulin-Sudbury District Services Board POLICY &amp; PROCEDURES MANUAL</b>	
Section: G. Paramedic Services	Effective Date: April 30, 2019
Topic: 8. Occupational Health & Safety	Replaces: March 1, 2010
Subject: 4. Operation Around Aircraft	
Policy No. G.8.4. 2019	

<b>REFERENCE</b>
------------------

Emergency Health Services Branch (2017), *Basic Life Support Patient Care Standard, Version 3.0.1*, Ministry of Health and Long-Term Care

Ornge (2018), Rotor Wing Aircraft Safety Sheet