



# Flight Plan & Site Survey

Created using **RPAS Wilco**®

Reference No:	6FD671
Title:	LAM Main higher 2024
Pilot Name:	Randall Hepner
Pilot Certificate:	[REDACTED]
Flight Start:	June 15, 2024 11:27 AM
Flight End:	June 15, 2024 1:27 PM
Flight Area (Latitude):	48° 18' 40.00" N ( 48.311 )
Flight Area (Longitude):	89° 28' 31.00" W ( -89.475 )
Altitude - Radius:	Alt: 700 ft - Rad: 926.0 m ( 0.5 nm)
Classification:	UNCONTROLLED
FIR - Contact:	CZWG - 506-867-8201

Please ensure you received all required authorizations prior to flight.

## Disclaimer

This Site Survey was created using RPAS Wilco by AIM Robotics. The flight plan contained is intended only for RPAS flights on the date/time and location specified. The user accepts all responsibility for the accuracy and completeness of the information contained.

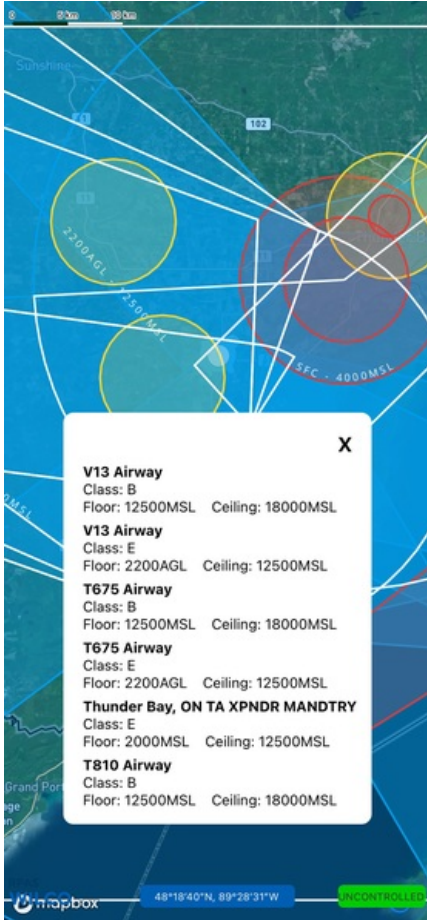
For the complete Terms & Conditions, see

<https://rpaswilco.com/#/tnc>

## Included

- Site Survey
- Obstacles (if available)
- Nearby Aerodromes
- Canadian Aviation Regulations
- GFA
- Aerodrome Supplements
  - METAR & TAF (if available)
  - NOTAMS
  - CFS



## Flight Map



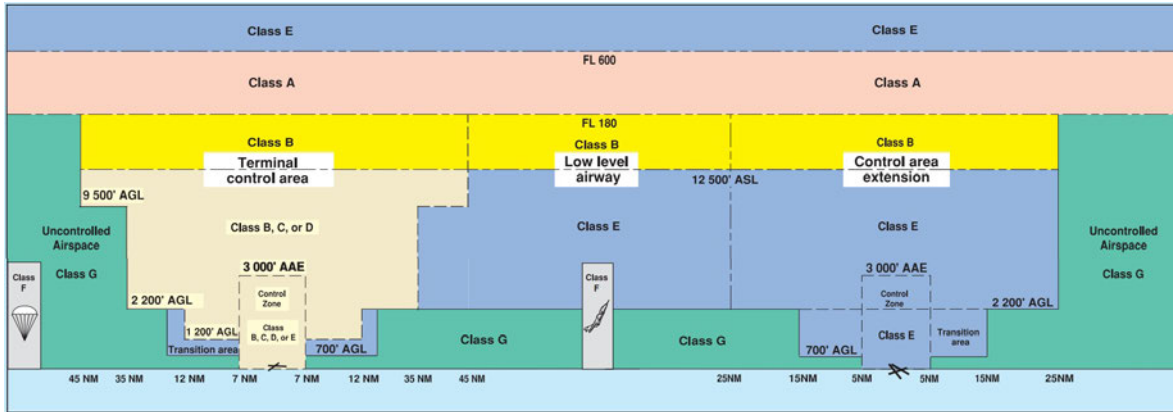
## RPAS Specification

- **Manufacturer:**  
MAAC
- **Model:**  
foamy
- **Registration Number:**  
[REDACTED]
- **Eligible for advanced operations:**  
No
- **Manufacturer RPAS safety assurance:**
  - **Controlled Airspace:** N/A
  - **Near People:** N/A
  - **Over People:** N/A

## MAP Details

	Latitude	Longitude
 <b>MODEL</b>	48° 18' 40.00" N ( 48.311 )	89° 28' 31.00" W ( -89.475 )
 <b>Pilot</b>	48° 18' 43.60" N ( 48.3121 )	89° 28' 34.60" W ( -89.4763 )

## Airspace Classification



## Overlying Airspaces

Class	Name	Floor	Ceiling
E	T675 Airway	2200AGL	12500MSL
B	T675 Airway	12500MSL	18000MSL
E	Thunder Bay, ON TA XPNDR MANDTRY	2000MSL	12500MSL
E	R6 Airway	2200AGL	12500MSL
B	R6 Airway	12500MSL	18000MSL
E	V13 Airway	2200AGL	12500MSL
B	V13 Airway	12500MSL	18000MSL
E	V133 Airway	2200AGL	12500MSL
B	V133 Airway	12500MSL	18000MSL
E	T702 Airway	2200AGL	12500MSL
B	T702 Airway	12500MSL	18000MSL
E	T810 Airway	2200AGL	12500MSL
B	T810 Airway	12500MSL	18000MSL
B	Thunder Bay, ON CAE XPNDR MANDTRY	12500MSL	18000MSL

## Nearest Aerodromes & Distance from Operation

MARTIN'S LANDING (CML5 - AERODROME - Reg)	Lat: 48.293	Long: -89.543	5.399KM	2.92NM	W
THUNDER BAY (CYQT - AERODROME - Cert)	Lat: 48.372	Long: -89.322	13.198KM	7.13NM	NE
KAKABEKA FALLS (CKG8 - AERODROME - Reg)	Lat: 48.418	Long: -89.602	15.13KM	8.17NM	NW
THUNDER BAY (HEALTH SCIENCE CENTRE) (CTB2 - HELIPORT - Cert)	Lat: 48.423	Long: -89.27	19.615KM	10.59NM	NE
THUNDER BAY (CKE6 - WATERDROME - )	Lat: 48.45	Long: -89.167	27.511KM	14.85NM	NE

**ONTARIO**

**AERODROME/FACILITY DIRECTORY**

**THUNDER BAY (MARTIN'S LANDING) ON**

**CML5**

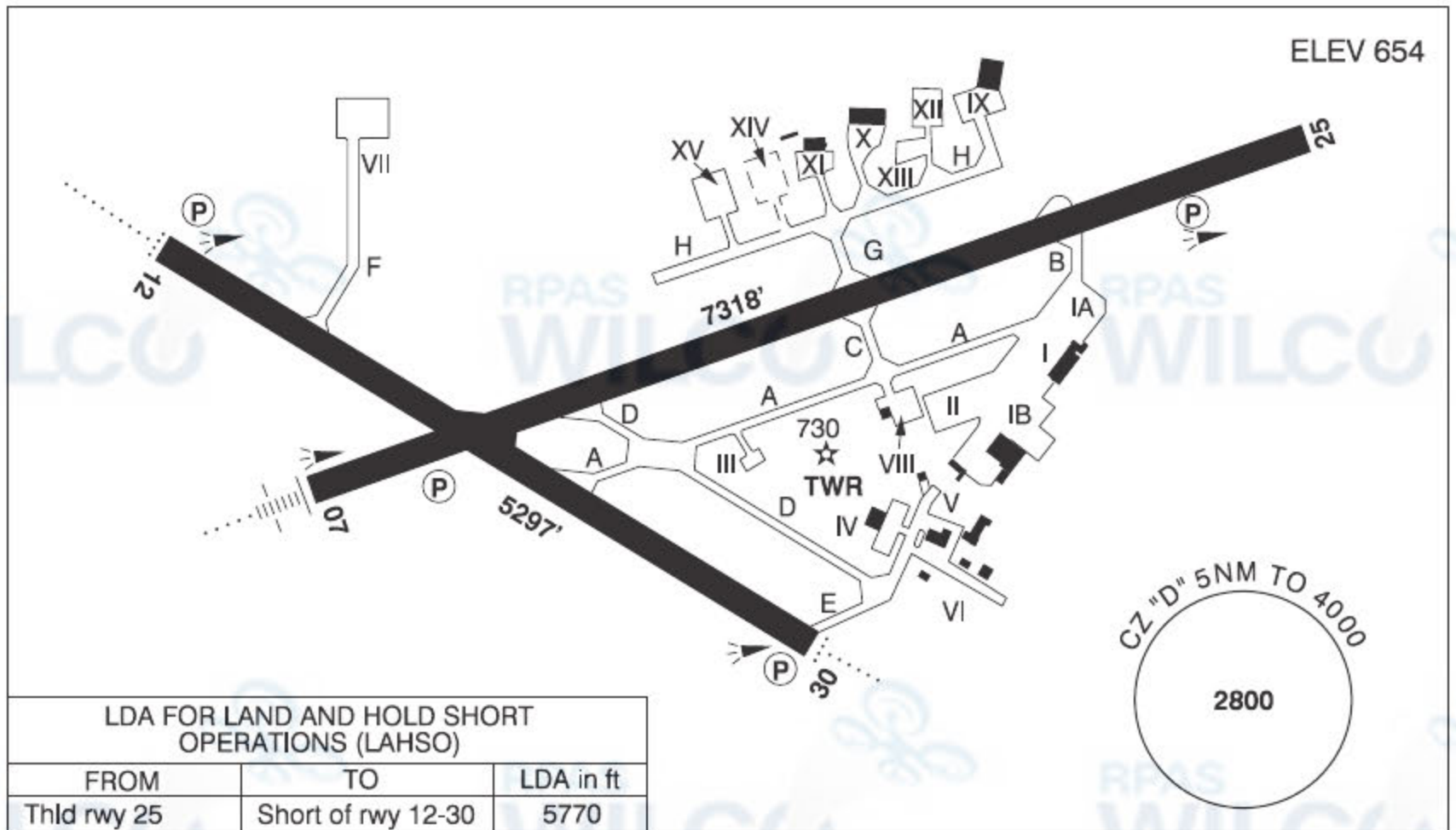
<b>REF</b>	N48 17 37 W89 32 36 14WSW 3°W (2016) UTC-5(4) Elev 1114' A5001 A5008	
<b>OPR</b>	Richard A. Martin 807-344-0071 Reg PPR	
<b>FLT PLN</b>	Pilots to open/close VFR flt plan with London rdo, FISE or by phone	
<b>FIC</b>	London 866-WXBRIEF (Toll free within Canada) or 866-541-4104 (Toll free within Canada & USA)	
<b>SERVICES</b>		
<b>OIL</b>	20W50, 80, 100	
<b>S</b>	1,4,5,6,7	
<b>RWY DATA</b>	Rwy 01(010°)/19(190°) 2090x80 GRASS/SNOW	
<b>RCR</b>	Opr Rwy soft when wet	
<b>COMM</b>		
<b>ATF</b>	tfc 122.8 3NM 3200 ASL	
<b>PRO</b>	Rgt hand circuits Rwy 01 (CAR 602.96). Circuit hgt 2100 ASL all runways.	
<b>CAUTION</b>	Trees 50 AGL N & S of rwy	

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THUNDER BAY ON

CYQT



<b>REF</b>	N48 22 19 W89 19 18 Adj SW 4°W (2014) UTC-5(4) Elev 654' A5001 A5008 LO4 HI4 T2 CAP
<b>OPR</b>	Thunder Bay Intl Aprts Authority Inc (TBIAAI) 807-473-2600 1030-0500‡ Cert Ldg fees
<b>PF</b>	A-1,2,3,6,7 C-4,5
<b>CUST</b>	AOE/40 888-226-7277 13-05Z‡
<b>FLT PLN</b>	Pilots to open/close VFR flt plan with London rdo, FISE or by phone
<b>FIC</b>	London 866-WXBRIEF (Toll free within Canada) or 866-541-4104 (Toll free within Canada & USA)
<b>WX</b>	METAR H24. TAF H24, issue times: 02, 08, 14, 20Z. WxCam
<b>SERVICES</b>	
<b>FUEL</b>	100LL, JA-1 (FSII avbl), HPR 1030-0330Z‡
<b>OIL</b>	All & Turbo 35
<b>S</b>	1,2,3,4,5,6,7
<b>ARFF</b>	DESIGNATED CAT 7 11-05Z‡ O/T call out chg, etc Duty Mgr 807-625-0595, aprt clsd to acft 20 seats & abv, exc for diversions or as an altn A/D without PPR.
<b>SUP FL</b>	LHOX
<b>JASU</b>	CE14
<b>PVT ADV</b>	Thunder Bay Flight Refuelling (World Fuel Services) 123.2 1030-0330Z‡ O/T 807-577-1178; Innotech-Exeaire Aviation (Shell) 122.85 1030-0330Z‡ O/T 807-475-5915
<b>MIL CON</b>	SkyFill Aviation Refuelling Inc 807-475-5915

## ONTARIO

## AERODROME/FACILITY DIRECTORY

## THUNDER BAY ON (Cont'd)

CYQT

<b>RWY DATA</b>	Rwy 07(074°)/25(254°) 7318x148 ASPH Rwy 12(125°)/30(305°) 5297x150 ASPH RESA: 07/25 492' RESA: 12 321'; 30 492'
<b>RWY CERT</b>	Rwy 07 RVR 1200(1/4sm)/Rwy 25 RVR 1200(1/4sm) AGN IV Rwy 12 RVR 1200(1/4sm)/Rwy 30 RVR 1200(1/4sm) AGN IIIB
<b>TWY CERT</b>	Twy: A, C, D AGN IIIB
<b>TWY</b>	Twy E (NE of D) uncontrolled. Twy F extends for 173' then changes to apron VII. Private, uncontrolled beyond hold line. Twy H: Private.
<b>APRON</b>	Apron I rstd to sked commercial air carrier by stand assignment only fr TBIAAI. Acft shall not taxi between ATB and pushed back acft. All sked acft shall be directed into prkg posn by Marshalling Services. Taxiing acft to remain on taxilanes. Uncontrolled. Apron II itinerant acft prkg. Uncontrolled. Aprons III, IV, VII, IX, X, XI, XII, XIII & XV private and uncontrolled. Aprons V, VI & VIII uncontrolled.
<b>RCR</b>	Opr 1030-0500Z† Nov 15-Apr 15, O/T 2 hr PN, call out chg. CRFI PLR/PCN Win maint 1030-0500Z†.
<b>LIGHTING</b>	07-AN (TE HI) P2, 25-(TE HI) P2, 12-AD AS(TE ME) P2, 30-AD(non-std 1700') AS(TE ME) P2
<b>COMM</b>	
<b>RADIO</b>	118.1 PTC avbl (E) 04-11Z† (emerg only 807-473-4311)
<b>RCO</b>	London rdo 122.375 (FISE) 126.7 (bcst)
<b>ATIS</b>	128.8
<b>GND</b>	121.9 11-04Z†
<b>TWR</b>	118.1 (E) 11-04Z† (emerg only 807-473-5252) Admin/Supervisor 807-474-4245
<b>MF</b>	rdo 118.1 04-11Z† 5NM 4000 ASL (CAR 602.98)
<b>ARR</b>	119.2
<b>DEP</b>	119.2
<b>PAL</b>	Winnipeg Ctr 132.125
<b>NAV</b>	
<b>NDB</b>	QT 332 (M) N48 20 47 W89 26 02
<b>VOR/DME</b>	YQT 114.1 Ch 88 N48 15 14 W89 26 15 (1641')
<b>DME</b>	YTV 117.8 Ch 125 N48 22 11 W89 19 48 (676')
<b>ILS</b>	IQT 109.5 (Rwy 07) RVR LOC reliable only within 10° either side of centreline.
<b>PRO</b>	Rgt hand circuits Rwy 25 & 30 (CAR 602.96). See CAP for NOISE & NIGHT restrictions.  <b>ATS PPR REQUIREMENTS:</b> Ctc Winnipeg ACC 204-984-5979 for the following; - IFR tng and Photo Survey within Thunder Bay Class E Transponder Airspace - VFR tng conducting simulated holds and inst apch  <b>VFR TRAINING PROCEDURES</b> - See VTPC
<b>CAUTION</b>	Heli flood lgts 30 AGL N side of apron II. Lgtd obst 746 ASL 0.5NM NE Thld 25 (intxn Thunder Bay Express Way & Arthur street). Terrain rises abruptly to 1600 ASL 2NM SE of A/D. Extv flt tng within 35NM W & N of CYQT CZ to 6000 ASL. Extv bird and wildlife activity in vic of A/D. Railroad tracks SW of A/D in close proximity.

## ONTARIO

## AERODROME/FACILITY DIRECTORY

## KAKABEKA FALLS ON

CKG8

<b>REF</b>	N48 25 06 W89 36 07 1NE 2°W UTC-5(4) Elev 1000' A5001 A5008	
<b>OPR</b>	Kakabeka Falls Flying Club Inc 807-474-0970 or 807-627-7075 Reg PPR	
<b>PF</b>	C-2	
<b>FLT PLN</b>	Pilots to open/close VFR flt plan with London rdo, FISE or by phone	
<b>FIC</b>	London 866-WXBRIEF (Toll free within Canada) or 866-541-4104 (Toll free within Canada & USA)	
<b>RWY DATA</b>	Rwy 09(088°)/27(268°) 2120x130 GRASS	
<b>RCR</b>	Opr No win maint. Rwy soft when wet.	
<b>COMM</b>	<b>ATF</b> tfc 123.0 3NM 3000 ASL	
<b>CAUTION</b>	Extv flt tng within 35NM W & N of Thunder Bay CZ to 6000 ASL. Seaplane tfc Adj N.	

## ONTARIO

## AERODROME/FACILITY DIRECTORY

## THUNDER BAY (HEALTH SCIENCE CENTRE) ON (Heli)

CTB2

<b>REF</b>	N48 25 24 W89 16 11 Adj 4°W (2016) UTC-5(4) Elev 715' A5001 A5008	
<b>OPR</b>	Thunder Bay Regional Health Science Centre 807-684-6100 ext 6509 Cert PPR	
<b>FLT PLN</b>	Pilots to open/close VFR flt plan with London rdo, FISE or by phone	
<b>FIC</b>	London 866-WXBRIEF (Toll free within Canada) or 866-541-4104 (Toll free within Canada & USA)	
<b>HELI DATA</b>	FATO/TLOF 87' dia CONC Safety Area 116' dia Max heli overall length 57.5'	
<b>RCR</b>	Opr	
<b>LIGHTING</b>	RY(LO) Green	
<b>COMM</b>	<b>RADIO</b> Thunder Bay 118.1 (E) 04-11Z† (emerg only 807-473-4311) <b>RCO</b> London rdo 122.375 (FISE) 126.7 (bcst) <b>TWR</b> Thunder Bay 118.1 (E) 11-04Z† (emerg only 807-473-5252) <b>MF</b> Thunder Bay rdo 118.1 04-11Z† centred on Thunder Bay aprt 3.8NM SW 4000 ASL (CAR 602.98)	
<b>NAV</b>	<b>NDB</b> Thunder Bay QT 332 (M) N48 20 47 W89 26 02 <b>VOR/DME</b> Thunder Bay YQT 114.1 Ch 88 N48 15 14 W89 26 15 (1641')	
<b>PRO</b>	Arr/dep 097° to 126° fr heli, slope 8% (H3). Arr/dep 306° to 315° fr heli, slope 8% (H3). Day/night use.	
<b>CAUTION</b>	Extv flt tng within 35NM W & N of CYQT CZ to 6000 ASL. Terrain rises abruptly to 1600 ASL 4.7NM S of heli.	



# Canadian Aviation Regulations

## Division III — General Operating and Flight Rules

For full listing please visit : <https://laws-lois.justice.gc.ca/eng/regulations/SOR-96-433/FullText.html#s-901.27>

### Visual Line-of-sight

- **901.11 (1)** Subject to subsection (2), no pilot shall operate a remotely piloted aircraft system unless the pilot or a visual observer has the aircraft in visual line-of-sight at all times during flight.
- **(2)** A pilot may operate a remotely piloted aircraft system without the pilot or a visual observer having the aircraft in visual line-of-sight if the operation is conducted in accordance with a special flight operations certificate — RPAS issued under section 903.03.

### Procedures

- **901.23 (1)** No pilot shall operate a remotely piloted aircraft system unless the following procedures are established:
  - **(a)** normal operating procedures, including pre-flight, take-off, launch, approach, landing and recovery procedures; and
  - **(b)** emergency procedures, including with respect to
    - **(i)** a control station failure,
    - **(ii)** an equipment failure,
    - **(iii)** a failure of the remotely piloted aircraft,
    - **(iv)** a loss of the command and control link,
    - **(v)** a fly-away, and
    - **(vi)** flight termination.
- **(2)** If the manufacturer of the remotely piloted aircraft system provides instructions with respect to the topics referred to in paragraphs (1)(a) and (b), the procedures established under subsection (1) shall reflect those instructions.
- **(3)** No pilot shall conduct the take-off or launch of a remotely piloted aircraft unless the procedures referred to in subsection (1) are reviewed before the flight by, and are immediately available to, each crew member.
- **(4)** No pilot shall operate a remotely piloted aircraft system unless the operation is conducted in accordance with the procedures referred to in subsection (1).

### Site Survey

**901.27** No pilot shall operate a remotely piloted aircraft system unless, before commencing operations, they determine that the site for take-off, launch, landing or recovery is suitable for the proposed operation by conducting a site survey that takes into account the following factors:

- **(a)** the boundaries of the area of operation;
- **(b)** the type of airspace and the applicable regulatory requirements;
- **(c)** the altitudes and routes to be used on the approach to and departure from the area of operation;
- **(d)** the proximity of manned aircraft operations;
- **(e)** the proximity of aerodromes, airports and heliports;
- **(f)** the location and height of obstacles, including wires, masts, buildings, cell phone towers and wind turbines;
- **(g)** the predominant weather and environmental conditions for the area of operation; and
- **(h)** the horizontal distances from persons not involved in the operation.

### Operations at or in the Vicinity of an Aerodrome, Airport or Heliport

- **901.47 (1)** No pilot shall operate a remotely piloted aircraft at or near an aerodrome that is listed in the *Canada Flight Supplement* or the *Water Aerodrome Supplement* in a manner that could interfere with an aircraft operating in the established traffic pattern.
- **(2)** Subject to section 901.73, no pilot shall operate a remotely piloted aircraft at a distance of less than
  - **(a)** three nautical miles from the centre of an airport; and
  - **(b)** one nautical mile from the centre of a heliport.
- **(3)** No pilot shall operate a remotely piloted aircraft at a distance of less than three nautical miles from the centre of an aerodrome operated under the authority of the Minister of National Defence unless the operation is conducted in accordance with a special flight operations certificate — RPAS issued under section 903.03.

### Records

- **901.48 (1)** Every owner of a remotely piloted aircraft system shall keep the following records:
  - **(a)** a record containing the names of the pilots and other crew members who are involved in each flight and, in respect of the system, the time of each flight or series of flights; and
  - **(b)** a record containing the particulars of any mandatory action and any other maintenance action, modification or repair performed on the system, including
    - **(i)** the names of the persons who performed them,
    - **(ii)** the dates they were undertaken,
    - **(iii)** in the case of a modification, the manufacturer, model and a description of the part or equipment installed to modify the system, and
    - **(iv)** if applicable, any instructions provided to complete the work.
- **(2)** Every owner of a remotely piloted aircraft system shall ensure that the records referred to in subsection (1) are made available to the Minister on request and are retained for a period of
  - **(a)** in the case of the records referred to in paragraph (1)(a), 12 months after the day on which they are created; and
  - **(b)** in the case of the records referred to in paragraph (1)(b), 24 months after the day on which they are created.
- **(3)** Every owner of a remotely piloted aircraft system who transfers ownership of the system to another person shall, at the time of transfer, also deliver to that person all of the records referred to in paragraph (1)(b).