Australian Government
Civil Aviation Safety Authority

IREX   VH-OZY
Effective 2 December 2021

For use in the CASA IREX examination only

THE AIRCRAFT

TYPE	Twin piston engine aeroplane
CALLSIGN	VH-OZY
MAX AUW	Less than 5 700 kg
SPEED	Cruise TAS 180 knots
AEROPLANE PERFORMANCE	Category B
CROSSWIND COMPONENT	20 knots maximum for take-off or landing
TAILWIND COMPONENT ..	10 knots maximum for take-off or landing

STANDARD EQUIPMENT
The aeroplane is fully equipped and serviceable for air transport operations under the IFR.
The aeroplane does **NOT** have oxygen, pressurisation, de-icing/anti-icing, or auto feathering.

Equipment fitted includes:
1. 2 x GNSS units, TSO-C146a (IFR approved).
2. 1 x VOR/ILS with glideslope and marker beacon receiver.
3. 1 x fixed-card ADF.
4. Mode S transponder (ADS-B OUT).
5. 3 axis autopilot, no flight director nor approach-capable system.
6. 2 x VHF radios.
7. 1 x HF radio.
8. Weather radar with 30 kW output rating.
9. Life jackets.
10. Life raft.

Unless otherwise stated in the question, assume all navigation aids and aircraft equipment are serviceable, GNSS RAIM is available, and you are qualified to fly as PIC all instrument procedures based on these navigation aids (in any combination). The GNSS units fitted to the aircraft are deemed to be capable of RNAV 5, RNAV 2, RNAV 1, RNP 2, RNP 1 and RNP APCH (LNAV only).

OPERATIONS
Unless otherwise stated in the question, the examination relates to an aeroplane flight operating to IFR procedures.

FUEL
Company fuel policy is as specified in CASR Part 91 MOS, Chapter 19, Table 19.02 (2) for aeroplanes with MTOW < 5 700 kg under the IFR or CASR Part 135 MOS, Chapter 7.
All fuel calculations will be in minutes.
Do not separately plan climbs and descents.
Assume holding consumption equals cruise consumption.
Do not add any time allowance for taxi, instrument approaches and overshoots.

ADDITIONAL ABBREVIATIONS USED
AICUS - acting in command under supervision
CDI - course deviation indicator/indication
CIR - command instrument rating
OBS - omni bearing selector/selection
OBI - omni bearing indicator
PIC - pilot in command