### GROUND COMPONENT

#### 2. Knowledge Requirements

- Privileges and limitations of the licence with category rating \(2(a)\)
- Applicability of drug and alcohol regulations \(2(b)\)
- VFR aircraft instrument requirements \(2(c)\)
- Requirements for landing areas and aerodromes \(2(e)\)
- GNSS and its use in VFR navigation \(2(f)\)
- Fuel planning and oil requirements for the flight \(2(g)\)
- Loading and unloading fuel \(2(h)\)
- Managing passengers and cargo \(2(i)\)
- Aircraft loading system \(2(j)\)
- Aircraft performance and landing calculations \(2(k)\)
- Pilot maintenance authorisations \(2(l)\)
- Aircraft speed limitations \(2(m)\)
- Aircraft systems \(2(n)\)

#### 3.1 Pre-flight

- Perform pre-flight actions and procedures \(C2.1\) \(C4.1\) \(NAV.1\)
- Perform pre-flight inspection \(C2.2\) \(C4.2\)
- Refuel aircraft \(C4.3\)

#### 3.2 Ground ops, take-off, departure and climb

- Complete all relevant checks and procedures \(A1.1\) \(A1.2\)
- Taxi aircraft \(A1.2\) \(IFF.1\)
- Plan, brief and conduct take-off and departure procedures \(A2.2\) \(A2.4\) \(C3.3\) \(NAV.3\)
- Conduct crosswind take-off \(A2.3\)
- Conduct short field take-off \(A2.5\)
- Conduct climbs and climbing turns – must include any 2 of maximum rate, maximum angle or cruise climb \(A3.1\) \(A3.4\)

#### 3.3 En route cruise

- Maintain straight and level and turn aircraft \(A3.2\) \(A3.4\)
- Navigate aircraft en route \(NAV.4\)
- Maintain any 1 cruise configuration for turbulence, holding or range \(NAV.4\)
- Navigate at low level \(NAV.5\)
- Perform lost procedure \(NAV.6\)
- Perform diversion procedure \(NAV.7\)
- Use instrument navigation systems \(NAV.8\) \(RNE.1\)

#### 3.4 Test specific activities and manoeuvres

- Enter and recover from stalls – 1 must be in the approach configuration and at least 1 stall and 1 incipient spin \(A5.1\) \(A5.2\)
- Conduct steep level turns of at least 45° bank \(A5.3\)

### FLIGHT COMPONENT

#### 3.1 Pre-flight

- Conduct steep level turns of at least 1 stall and 1 incipient spin \(A6.1\)
- Conduct precautionary search \(A6.4\)
- Manage a malfunction during start or shutdown and 1 of: a system malfunction, fire or radio failure \(A1.1\) \(A1.6\) \(C3.2\)
- Perform forced landing \(A6.3\)

#### 3.5 Descent and arrival

- Conduct descents and descending turns \(A3.3\)
- Conduct cross-wind landing \(A4.2\)
- Conduct short field and flapless landings \(A4.5\) \(A6.5\)
- Perform a go-around procedure \(A4.3\)
- Perform after-landing actions and procedures \(A4.1\)

#### 3.7 Shut down and post-flight

- Park, shut down, secure aircraft and complete post-flight administration \(C2.3\) \(A1.1\)

#### 3.8 General requirements

- Maintain effective lookout \(NTS1.1\)
- Maintain situational awareness \(NTS1.2\)
- Assess situations and make decisions \(NTS1.3\)
- Set priorities and manage tasks \(NTS1.4\)
- Maintain effective communications and interpersonal relationships \(NTS1.5\)
- Recognise and manage threats \(NTS2.1\)
- Recognise and manage errors \(NTS2.2\)
- Recognise and manage undesired aircraft state \(NTS2.3\)
- Operate in controlled airspace \(NAV.2\) \(CTA.1\)
- Operate in Class G airspace \(NAV.2\) \(OGA\)
- Operate at controlled aerodrome \(NAV.2\) \(CTR\)
- Operate at non-towered aerodrome \(NAV.2\) \(ONTA\)
- Use correct radio procedures \(C1.1\) \(C1.2\) \(C3.1\) \(NAV.2\)
- Manage relevant aircraft systems \(A3\) \(Nav.4\)
- Manage fuel system and monitor fuel plan and usage \(C4.2\)
- Manage passengers and the carriage of cargo \(C5\)

Refer to the Flight Examiner Handbook for Requirements and Recommendations
### Details of flight test

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<th>Result</th>
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Examiner’s comments: