

Using SkyDemon with the AAL training syllabus

The first 2 X countries are to be done without the use of SkyDemon it is still very important that all students have a sound knowledge of dead reckoning techniques before learning how to use SkyDemon. If after 2 X Countries, the instructor feels that the student has grasped DR Nav techniques then AAL suggest that a lesson is done using SD. A briefing before hand using the AAL handout must be done. Students taught to use SkyDemon will spend extra training hours on this subject.

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| Ex 18 | To Plan a cross country flight aided by SkyDemon |
| Aim: | To learn to plan a cross country aided by SkyDemon |
| <p>Briefing</p> <p>SkyDemon Configuration</p> <ul style="list-style-type: none"> • From the aircraft library • Set up climb, cruise, & descent rates, • Fuel consumption and requirements, • Default cruise levels • Mass and balance <p>Planning options</p> <ul style="list-style-type: none"> • Minimum safe altitude configuration • Map options auto decluttering • Hidden airspace • Pilot log options column configuration ETA and ATA <p>Flight planning</p> <ul style="list-style-type: none"> • Selection of way points • Checking altitude selection • Weather • Setting departure date and time • Checking fuel requirements • Checking mass and balance • Flight preparation printing off the PLOG marking up charts • Checking Notams | |
| Completion Standard | To plan a Cross Country correctly, aided by SkyDemon |

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| Ex 18 | Dual Navigation Flight |
| Aim: | To safely Fly a Cross Country and to navigate aided by SkyDemon |
| <ul style="list-style-type: none"> • Departure and Enroute • SkyDemon “go flying” • Organisation of the cockpit and workload • Altimeter settings • ATC and Controlled/regulated Airspace • Setting heading procedure (SOP for Andrewsfield is via Braintree) • Maintenance of heading and altitude and speed • Revisions of ETA and Heading • Keeping the PLOG • The lost procedure and loss of GNSS and therefore SkyDemon • Minimum weather for continuation + Planning a Diversion • In flight decision making, use of “FADEC” (Fly the Plane, Assess, Decide, Evaluate, Contact Someone) • Transit of Controlled Air Space • Arrival and joining procedures aided by SkyDemon • ATC • Altimeter setting and entering the circuit, and circuit procedures • Post Flight actions and Admin procedures | |
| Completion standard | <p>To correctly use pre-flight planning techniques and fly a VFR cross country including a practice diversion within the tolerances of the PPL skill test</p> <p>Correctly carry out in flight checks and drills as per the check list and use standard RT phraseology</p> <p>Display good airmanship and use Threat Error Management to manage threats and errors as appropriate to the flight.</p> |

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| Ex 18 | Solo Cross Country aided by SkyDemon |
| Aim: | To safely fly a solo cross country aided by SkyDemon |
| Air Exercise: | To fly a cross country exercise (not Landing away) aided by SkyDemon |
| Completion standard To safely fly one of the Andrewsfield suggested routes using a printed PLOG which is to be maintained and updated during the flight, aided by SkyDemon. | |

Exercises are to be repeated using other Andrewsfield recommended Cross Country routes until the Instructor is confident the student has reached the level and competence to fly the Qualifying Cross Country.