|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 24137-04 Part 137 **aeroplanes** – issue of agricultural rating or annual continued competency demonstration  Use this form for assessment of an agricultural pilot candidate for **issue of an** **aeroplane** **agricultural rating** or **annual continued competency demonstration** under [Civil Aviation Rules](https://www.aviation.govt.nz/rules/), Part 137 agricultural aircraft operations and Part 61 pilot licences and ratings. | | | | |
|  | This form is for the application of: | Issue |  | Competency demonstration |  |

# Agricultural pilot candidate completes this section

Authorisation(s) to be assessed

The examiner/instructor must assess the candidate for as many authorisations as required by Part 137. This may require more than one flight.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Agricultural grade 1 | Agricultural grade 2 | Topdressing | Spraying | VTA |

Candidate’s details

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| First names |  | | | Email |  | | | |
| Surname |  | | | CAA ID no. |  | | Mobile |  |
| Medical certificate expiry | | Click or tap to enter a date. | Last competency demonstration | | Click or tap to enter a date. | | |
| Chemical rating expiry | | Click or tap to enter a date. |  | | |

Issue of agricultural pilot rating experience assessment – refer AC 61-15 *Don’t* complete this section if you’re undertaking an annual competency demonstration.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Grade 2** | Yes  No | Total flight experience | |  | Grade 2- total flight experience 200 hours and minimum 100 hours PIC prior to commencing training IAW CAR Part 61.701 (a)(2) | | |
| Pilot in command aeroplane | | | |  |
| Total agricultural training flight time | | | |  |
|  | | | |  |  |  |  |
| **Grade 1** | Yes  No | | Total productive flight time |  | Grade 1 - minimum 1000 hours productive incl minimum 200 hours PIC in appropriate category of A/C IAW CAR Part 61.701 (b)(2) | | | |
| Pilot in command aeroplane | | | |  |

Training completed

|  |  |  |
| --- | --- | --- |
| Topdressing | Spraying | VTA |

|  |  |  |  |
| --- | --- | --- | --- |
| Assessment date | Click or tap to enter a date. | Candidate signature |  |
|  |  |

# Flight examiner or E-category agricultural instructor completes this section

|  |
| --- |
| If the candidate’s assessment is successful, email us this completed form to [lic.applications@caa.govt.nz](mailto:lic.applications@caa.govt.nz) |

Examiner/instructor’s details

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name |  | CAA ID no. |  | Licence/rating current to: | Click or tap to enter a date. |

Confirmation of completion

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Candidate’s | Identity verified | | | Copy of this form provided to | | | Candidate | | | |
|  | Lifetime license sighted (CPL for Grade 1) | | |  | | | Examiner/instructor conducting competency assessment | | | |
| Pilot logbook endorsed (rule 61.703 or 61.707) | | Yes  No | |  | | | | | | |
| Aeroplane type |  | | | Flight 1 date | Click or tap to enter a date. | | | Flight 1 time | |  |
| Registration |  | | | Flight 2 date | Click or tap to enter a date. | | | Flight 2 time | |  |
| Completed under Part 137 or Part 141 certificate no. | | |  | | | Next competency check is due | | | Click or tap to enter a date. | |

Certification

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| I certify that the candidate has successfully completed an issue/annual demonstration of competence assessment below, orally and in flight, for agricultural operations in accordance with Part 61 Subpart O for the purpose of: | | | | | |
| Agricultural grade 1 | Agricultural grade 2 | Topdressing | Spraying | VTA |

|  |  |  |  |
| --- | --- | --- | --- |
| Date certified | Click or tap to enter a date. | Examiner/instructor electronic  signature |  |
|  |  |

| Examiner/instructor’s assessment |  | | |
| --- | --- | --- | --- |
| Competent | Not competent | Not checked |
| Personal preparation | | | |
| Safe, has current documents, and pilot logbook entries correct |  |  |  |
| Aircraft documents | | | |
| * Knowledge of airworthiness certificate |  |  |  |
| * Knowledge of technical log |  |  |  |
| * Knowledge of flight manual, CAA forms 2173 & 2129 |  |  |  |
| * Knowledge of relevant airworthiness directives |  |  |  |
| * Knowledge of Part 137 rules, NZAIP, NOTAMs |  |  |  |
| Aeroplane performance and operating requirements | | | |
| Airstrips: selection, condition, suitability - known take off & landing distance available |  |  |  |
| Climatic and seasonal effects on performance |  |  |  |
| Fuel mgmt: required, quantity, consumption, hot refuelling reqmts |  |  |  |
| Emergency airstrip options and considerations e.g. fuel |  |  |  |
| Loading: determination of MAUW, C of G position |  |  |  |
| Pre-flight inspection |  |  |  |
| Role equipment checks: pilot authorisations checked (Part 43 App A) |  |  |  |
| Engine start; warm up; shutdown: checks, fire drills |  |  |  |
| Taxiing and brake check: speed, instruments, parking |  |  |  |
| Engine checks, run, and operation: checks, smooth ops |  |  |  |
| Pre take-off checks: take-off briefing, departure procedures |  |  |  |
| Takeoff | | | |
| * Normal |  |  |  |
| * Crosswind |  |  |  |
| * Downwind / slope |  |  |  |
| Engine failure techniques- quick reaction items | | | |
| * Decision Points |  |  |  |
| * Jettison / use of flap |  |  |  |
| Emergency / jettison procedures | | | |
| * Decision Point. Full or Partial |  |  |  |
| * Use of Flap / Trim |  |  |  |
| Dispersal system malfunction or failure (manual/auto) |  |  |  |
| Climbing: attitude, trim, lookout |  |  |  |
| Medium turns: angle of bank, coordinated, reference point |  |  |  |
| Climbing turns: angle of bank, lookout |  |  |  |
| Steep turns: coordinated, power, reference point |  |  |  |
| Max rate turns: coordinated, power, reference point |  |  |  |
| Stalls in basic and power-on configurations | | | |
| * Basic |  |  |  |
| * Power on configuration / Climbing Turn |  |  |  |
| * Wing drop |  |  |  |
| * Steep turn |  |  |  |
| Forced landing without power: control, field, plan, checks |  |  |  |
| Forced landing with power: control, configuration, field |  |  |  |
| EFATO |  |  |  |
| Descent: profile as required, lookout |  |  |  |
| Descending turns: angle of bank, lookout |  |  |  |
| Steep gliding turns: speed, angle of bank, lookout |  |  |  |
| Flap usage and/or sideslip: operation, speed |  |  |  |
| Joining the circuit: checks, procedure, situational awareness |  |  |  |
| Approach and landing | | | |
| * Normal |  |  |  |
| * Flapless |  |  |  |
| * Cross-wind |  |  |  |
| * Downwind |  |  |  |
| Approach and go-round: procedure sequence |  |  |  |
| General assessment | | | |
| Sowing /spreading height |  |  |  |
| GPS operation |  |  |  |
| Threat and error management (TEM) |  |  |  |
| Radiotelephony tuning and procedures: phraseology |  |  |  |
| Lookout (critical task): situational awareness, VMC |  |  |  |
| Flight orientation: airspace boundaries, reporting points |  |  |  |
| Pilot judgment: performance, clearances, emergencies |  |  |  |
| Aircraft operated at all times appropriately for the task being carried out and IAW AFM limitations |  |  |  |
| Post flight checks |  |  |  |
| Comments (describe conduct of flight, e.g. scenario) Type in the grey area (which expands to provide more space) | | | |