|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 24137-05 Part 137 **helicopters** – issue of agricultural rating or annual continued competency demonstration  Use this form for an assessment of an agricultural pilot candidate for the issue of a **helicopter** **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 IAW AC61-15 *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 helicopter | |  |
|  | 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 helicopter | |  |

Training completed

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

|  |  |  |  |
| --- | --- | --- | --- |
| Assessment date | Click or tap to enter a date. | Candidate’s 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 | | |  | | | | | | | |
| Helicopter 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’s/instructor’s 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 |  |  |  |
| Helicopter performance and operating requirements | | | |
| Power limits, height/velocity, seasonal effects on performance |  |  |  |
| Fuel mgmt: required, quantity, consumption, hot refuelling reqmts |  |  |  |
| Loading: determination of MAUW, product type |  |  |  |
| Pre-flight inspection |  |  |  |
| Role equipment checks: pilot authorisations checked (Part 43 App A) |  |  |  |
| Engine start, warm up, shutdown: checks, fire drills |  |  |  |
| Engine checks, run, and operation: checks, smooth ops |  |  |  |
| Pre take-off checks: take-off briefing, departure procedures |  |  |  |
| Lift off to hover |  |  |  |
| Hover taxiing |  |  |  |
| Hover manoeuvring: pattern flying, IGE, OGE |  |  |  |
| Circuits: translation, climbing & descending |  |  |  |
| Limited power take-offs |  |  |  |
| Limited power landings |  |  |  |
| Low level handling: quick stops, downwind, X wind |  |  |  |
| Slope landing & lift off |  |  |  |
| Confined area operations |  |  |  |
| Autorotation | | | |
| * Autorotation - Straight in |  |  |  |
| * Autorotation - 180 |  |  |  |
| * Autorotation - varying IAS & rotor speed |  |  |  |
| Engine failure in hover |  |  |  |
| Hydraulic system failure |  |  |  |
| Tail rotor malfunctions |  |  |  |
| * Ground resonance awareness – applicable to type |  |  |  |
| * Power settling |  |  |  |
| Low level operations | | | |
| * Landing area/loading area inspection from the air |  |  |  |
| * Boundary flying: treatment area inspection, estimation, hazards, third party risks |  |  |  |
| * Topdressing runs |  |  |  |
| * Spray runs |  |  |  |
| * Spray turns |  |  |  |
| * Bucket work |  |  |  |
| * VTA |  |  |  |
| * GPS operation |  |  |  |
| Threat and error management (TEM) |  |  |  |
| * Radiotelephony tuning and procedures: phraseology |  |  |  |
| Airmanship: consistent use of good judgment and well-developed skills to accomplish flight objectives |  |  |  |
| Lookout (critical task): situational awareness, VMC |  |  |  |
| Aircraft rundown, engine shutdown |  |  |  |
| Flight orientation: airspace boundaries, reporting points |  |  |  |
| Post flight checks |  |  |  |
| Comments (describe conduct of flight, e.g. scenario) Type in the field area (which expands as you type) | | | |