|  |  |
| --- | --- |
|  | 24137-05 Part 137 **helicopters** – issue of agricultural rating or annual continued competency demonstrationUse 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 |

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)      |