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| Title | Demonstrate knowledge of a specific uninhabited aerial vehicle and assemble and configure its ground station | | |
| Level | 4 | Credits | 3 |

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| Purpose | People credited with this unit standard are able, for a specific uninhabited aerial vehicle, to: demonstrate knowledge of the specifications, assemble ground control station, and configure ground control station. |
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| Classification | Aviation > Aircraft Operation |
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| Available grade | Achieved |
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Explanatory notes

- 1 The uninhabited aerial systems (UAS) operations covered by this unit standard must be demonstrated in accordance with the Civil Aviation Rules Part 61 and other relevant rules, published by the Civil Aviation Authority (CAA) of New Zealand, PO Box 3555, Wellington 6140, or available at <http://www.caa.govt.nz>.
- 2 Industry standards and recommended practices are those recognised by the CAA.
- 3 Industry texts may include but are not limited to – aircraft flight manuals, CAA Rules, CAA Advisory Circulars, operator exposition.
- 4 For the purpose of this unit standard, *knowledge* refers to knowledge, understanding, and application of the subject matter.
- 5 This unit standard is applicable to a small UAV (uninhabited aerial vehicle) (Under 25 kg MTOW), for example the Kahu UAV or RQ-84Z AreoHawk UAV.

Outcomes and evidence requirements

Outcome 1

Demonstrate knowledge of the specifications for a specific uninhabited aerial vehicle.

Evidence requirements

- 1.1 Technical specifications of the uninhabited aerial vehicle are described and their principles of operation explained in accordance with industry texts and standards.

Range may include but is not limited to – identification of parts, design specifications.

- 1.2 Performance specifications of the uninhabited aerial vehicle are described and explained in accordance with industry texts and standards.

Outcome 2

Assemble UAV ground control station.

Evidence requirements

- 2.1 The components of ground control station (GCS) are correctly connected together in accordance with the manufacturer's manual and industry texts and standards.

Range assembly includes but is not limited to – UAS flight manual, set up checklist.

Outcome 3

Configure UAV ground control station.

Evidence requirements

- 3.1 Ground control station is configured for flight operations in accordance with industry texts and standards.

Range configuration includes but is not limited to – GCS settings, installation of sensors.

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| Planned review date | 31 December 2017 |
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Status information and last date for assessment for superseded versions

| Process | Version | Date | Last Date for Assessment |
|--------------|---------|---------------|--------------------------|
| Registration | 1 | 18 April 2013 | N/A |

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| Consent and Moderation Requirements (CMR) reference | 0169 |
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Please note

Providers must be granted consent to assess against standards (accredited) by NZQA, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Requirements for consent to assess and an outline of the moderation system that applies to this standard are outlined in the Consent and Moderation Requirements (CMR). The CMR also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact the Service Skills Institute (ServiceIQ) qualifications@serviceiq.org.nz if you wish to suggest changes to the content of this unit standard.