



Explanation document - CASA XX/23 — Flight Training and Flight Tests for Grant of Certain Endorsements (Sling, Winching and Rappelling, Firefighting) Approval 2023

Draft instrument	Explanation
<p>Instrument number CASA XX/23</p> <p>I, CHRISTOPHER PAUL MONAHAN, Executive Manager, National Operations & Standards, a delegate of CASA, make this instrument under regulations 11.056, 61.040 and 141.035 of the Civil Aviation Safety Regulations 1998.</p> <p>[DRAFT ONLY – NOT FOR SIGNATURE]</p> <p>Chris Monahan Executive Manager, National Operations & Standards [month] 2023</p> <p>CASA XX/23 — Flight Training and Flight Tests for Grant of Certain Endorsements (Sling, Winching and Rappelling, Firefighting) Approval 2023</p> <p>Part 1 — Preliminary</p> <p>1 Name</p> <p>This instrument is <i>CASA XX/23 — Flight Training and Flight Tests for Grant of Certain Endorsements (Sling, Winching and Rappelling, Firefighting) Approval 2023</i>.</p>	<p>Section 1 gives the instrument name and number, and outlines the power to make the instrument.</p> <p>The power to make the approvals in the instrument is drawn from regulations 61.040 and 141.035 of CASR.</p> <p>Regulation 61.040 allows CASA to issue an approval, where a provision of Part 61 refers to a regulation 61.040 approval.</p> <p>Regulation 141.035 allows CASA to issue an approval, where a provision of Part 141 refers to a regulation 141.035 approval.</p> <p>Regulation 11.056 allows CASA to impose conditions on authorisations, including authorisations granted under regulations 61.040 and 141.035.</p>

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<p>2 Duration</p> <p>This instrument:</p> <ul style="list-style-type: none"> (a) commences on the day after it is registered; and (b) is repealed at the end of 28 February 2026. 	<p>Section 2 gives the duration of the instrument. These dates will be amended to reflect the actual commencement date to ensure a validity period of 3 years.</p>
<p>3 Interpretation</p> <p><i>Note</i> In this instrument, certain terms and expressions have the same meaning as they have in the Civil Aviation Act 1988 and the regulations. The terms defined in the CASR Dictionary are: <i>aerial work certificate, AOC, Part 61 Manual of Standards</i> and <i>Part 141 operator</i>. The terms defined in regulation 61.010 of CASR are: <i>category, flight examiner, flight test, flight training, pilot in command under supervision, pilot instructor</i> and <i>pilot licence</i>.</p> <p>In this instrument, unless the contrary intention appears:</p> <p><i>aeroplane firefighting endorsement</i> means the endorsement mentioned in column 1 of item 4 of table 61.1120.</p> <p><i>authorised dual flight</i>, for an endorsement or an aerial application rating means dual flight (within the meaning of regulation 61.010) but with a pilot approved under this instrument to conduct flight training and flight tests for the endorsement or rating occupying a flight control seat rather than a pilot instructor.</p> <p><i>course completion certificate</i> has the same meaning as in paragraph 61.195 (2) (e) of CASR.</p> <p><i>firefighting endorsement</i> means:</p> <ul style="list-style-type: none"> (a) an aeroplane firefighting endorsement; or (b) a helicopter firefighting endorsement. <p><i>FTM</i> means flight test management system administered by CASA.</p> <p><i>helicopter firefighting endorsement</i> means the endorsement mentioned in column 1 of item 5 of table 61.1120.</p> <p><i>Part 61 MOS</i> means the Part 61 Manual of Standards.</p>	<p>Section 3 sets out definitions for the instrument.</p> <p>Note the definition of <i>authorised dual flight</i>. A definition equivalent to <i>dual flight</i> in regulation 61.010 but applying to a trainer pilot rather than a pilot instructor was needed for the instrument.</p>

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<p>Part 141 flight training has the meaning given by regulation 141.030 of CASR.</p> <p>aircraft of the relevant category, for a firefighting endorsement or an aerial application rating, means the category of aircraft to which the endorsement or rating relates.</p> <p>sling operations endorsement means the endorsement mentioned in column 1 of item 8 of table 61.1075.</p> <p>table 61.1075 means the table in regulation 61.1075 of CASR.</p> <p>table 61.1120 means the table in regulation 61.1120 of CASR.</p> <p>winch and rappelling operations endorsement means the endorsement mentioned in column 1 of item 9 of table 61.1075.</p>	
<p>Part 2 — Approval of operators to conduct flight training for sling operations endorsement</p> <p><i>Note</i> This Part is made under regulations 11.056 and 141.035 of CASR.</p>	<p>Part 2 sets out the approval (section 4) needed for relevant Part 138 operators to conduct flight training for a sling operations endorsement, and the conditions (section 5) that the operator must comply with.</p>
<p>4 Approval</p> <p>(1) An operator who holds an aerial work certificate under Part 138 of CASR that authorises the conduct by a helicopter of the operations mentioned in the activity authorised by a sling operations endorsement is approved under regulation 141.035 of CASR, for regulation 141.050 of CASR, to conduct flight training for a sling operations endorsement in relation to the holder of a pilot licence.</p> <p>(2) The operator must ensure compliance with the conditions in section 5.</p>	<p>Subsection 4 (1) approves an operator who holds an aerial work certificate under Part 138 of CASR (that authorises the conduct of sling operations) to conduct flight training for a sling operations endorsement.</p> <p>An approval under regulation 141.035 of CASR for the purposes of regulation 141.050 is required. Regulation 141.050 allows the holder of an approval under regulation 141.035 to conduct Part 141 flight training.</p> <p>An operator approved under subsection 4 (1) must comply with the conditions in section 5 (subsection 4 (2)).</p>
<p>5 Conditions</p> <p>(1) The flight training must be managed by the operator’s head of operations or head of training and checking.</p> <p>(2) The operator must not employ or engage (whether by contract or other arrangement) a person to conduct the flight training unless the person is approved under subsection 6(2) to do so.</p> <p>(3) The operator’s operations manual must contain a description of the flight</p>	<p>Section 5 sets out the conditions that an operator must ensure are met. Generally, the conditions are that:</p> <ul style="list-style-type: none"> • the operator’s head of operations or head of training and checking must manage the training • the person conducting the training for the operator must be approved to conduct the training under subsection 6 (2) of the instrument and be authorised to exercise the privileges of the same endorsement as they

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<p>training activities and state who may conduct them.</p> <p>(4) Flight training for a sling operations endorsement must not be conducted unless the person conducting the training is authorised under Part 61 of CASR to exercise the privileges of that endorsement.</p> <p>(5) The flight training must meet the following requirements:</p> <p>(a) the aeronautical knowledge training, practical flight training and assessments must comply with the Part 61 MOS;</p> <p>(b) the practical flight training must include at least 10 sling load operations, conducted during at least 3 flights in an aircraft of the same type as that to be used for the sling load operations following the successful completion of the training;</p> <p>(c) both the theoretical and practical components of the flight training must be conducted in a suitable ground environment and airspace, with appropriate facilities and training resources;</p> <p>(d) the aircraft used for the flight training must be airworthy and suitable for the training;</p> <p>(e) the person conducting the training must be competent to conduct the flight training (including assessment).</p> <p>(6) Flight training for a sling operations endorsement must not be delivered to an applicant unless the applicant:</p> <p>(a) has completed at least 50 hours as pilot in command of a helicopter; and</p> <p>(b) meets the relevant requirements in table 61.1075 for the grant of the endorsement.</p> <p>(7) A course completion certificate must be issued to an applicant who successfully completes the flight training that specifies the names of the operator, the person conducting the training and the applicant (in addition to the details required for such a certificate under paragraph 61.195(2)(e) of CASR).</p> <p>(8) A record of the following details must be made by the person conducting the training as soon as practicable after the successful completion of flight training by an applicant, and kept by the operator in a secure place for a</p>	<p>are conducting training for</p> <ul style="list-style-type: none"> • the operator must include details of the training in their operations manual. This will involve amending the operations manual and will be treated as a significant change • the operator must comply with requirements for trainee records, course completion certificates and document retention • the training must meet certain requirements. Most relevantly, the flight training must comply with the Part 61 MOS. The flight training must also include a minimum of 10 sling load operations, to be conducted during at least 3 flights. The proposed instrument does not currently include a definition of <i>sling load operations</i>, nor does CASR include a definition, however this flight training is expected to include or address a variety of factors, situations and environments so that trainees gain exposure and experience to varied situations. This training may need to involve many more than 10 operations and 3 flights, depending on the trainee's competence and the type and nature of operations conducted by the operator. The training can only be delivered to an applicant who, in addition to the existing CASR prerequisites for the endorsement, has completed at least 50 hours as pilot in command of a helicopter. <p>Questions for consultation:</p> <ul style="list-style-type: none"> • Comment on suitability of training requirements • Comment on whether a definition of <i>sling load operations</i> is desirable, or whether operators can reliably determine what the operations are for the purpose of the training without CASA stipulating what must be included or addressed in a sling load operation

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<p>period of at least 3 years:</p> <ul style="list-style-type: none"> (a) the applicant's name, ARN and dates of commencement and completion of flight training; (b) for each flight training activity: <ul style="list-style-type: none"> (i) the location; (ii) the date; (iii) the aircraft type, nationality and registration marks; (iv) the flight time, and whether the flight was undertaken by the applicant in authorised dual flight, solo or as pilot in command under supervision; (v) the results of the applicant's performance measured against the relevant Part 61 MOS competency requirements; (c) a copy of the applicant's course completion certificate together with the additional details required under subsection (7). 	
<p>Part 3 — Approval of pilots to conduct flight training and flight tests for grant of sling operations endorsement</p> <p>Note This Part is made under regulations 11.056, 61.040 and 141.035 of CASR.</p>	<p>Part 3 sets out the approvals (section 6) needed for relevant pilots to conduct nominated flight training and testing, and the conditions (section 7) that the pilot must comply with.</p>
<p>6 Approvals</p> <p>(1) This section applies in relation to a pilot who:</p> <ul style="list-style-type: none"> (a) holds: <ul style="list-style-type: none"> (i) a commercial pilot licence or an air transport pilot licence; and (ii) a low-level rating and a sling operations endorsement; and (b) is employed or engaged (whether by contract or other arrangement) by an operator approved under section 4; and (c) has at least 1 000 hours experience as pilot in command of a helicopter; and 	<p>Subsection 6 (1) sets out the prerequisites that a pilot must meet to be approved to conduct flight training ("trainer").</p> <p>Relevantly, the trainer must be highly experienced in conducting sling operations and be employed or engaged by an operator approved to conduct flight training under section 4.</p> <p>In addition, the trainer must complete a course of instructor training conducted at a Part 141 flight training operator. The purpose of this course is to ensure that the trainer gains basic instructional competencies to deliver training for the sling operations endorsement. The course needs to be delivered by an instructor with either the Grade 1 training endorsement or the instructor rating training endorsement and the low-level rating training endorsement or sling operations training endorsement. The intent is for the training to be delivered</p>

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<p>(d) at least 2 years operational experience conducting sling load operations, including the conduct of at least 100 sling load operations; and</p> <p>(e) is qualified in principles and methods of instruction:</p> <p>(i) by having completed an approved course of training in principles and methods of instruction delivered by a Part 141 flight training operator; or</p> <p>(ii) by holding a Certificate IV in Training and Assessment; or</p> <p>(iii) by holding a tertiary qualification in teaching; and</p> <p>(f) has completed a course of instructor training delivered by a Part 141 flight training operator that:</p> <p>(i) comprises at least 5 hours dual flight training in a non-pilot in command seat; and</p> <p><i>Note</i> This would provide evidence of the trainer’s competency in flying an aircraft in a control seat from which flight training will be delivered.</p> <p>(i) is delivered by a flight instructor who holds:</p> <p>a. a grade 1 training endorsement or instructor rating training endorsement; and</p> <p>b. a low-level rating training endorsement or a sling operations training endorsement; and</p> <p>(ii) involves an assessment by the flight instructor of the pilot’s competency to deliver training for the endorsement; and</p> <p>(g) has successfully completed the e-learning modules of the <i>Flight examiner rating course</i>, prepared by CASA:</p> <p>(i) if completed before this instrument commences — as that course existed at the time the pilot completed the course; or</p> <p>(ii) if completed after this instrument commences — as that course existed at the time this instrument commences.</p> <p><i>Note</i> The details of this course can be found on the internet at: https://www.casa.gov.au/licences-and-certificates/flight-examiners/flight-</p>	<p>by an experienced instructor with the ability to teach others how to deliver training, and who has competency operating at low level.</p> <p>Questions have been raised as to whether this instructor also needs to have competency conducting sling operations. CASA is seeking feedback on whether an instructor with either the Grade 1 training endorsement or the instructor rating training endorsement and the low-level rating training endorsement should also be required to have the sling operations endorsement.</p> <p>Subsection 6 (2) approves a trainer to conduct flight training for the grant of a sling operations endorsement.</p> <p>An approval under regulation 141.035 of CASR for the purposes of regulation 141.050 is included. Regulation 141.050 allows the holder of an approval under regulation 141.035 to conduct Part 141 flight training.</p> <p>Subsections 6 (3) and (4) ensures trainers are authorised to conduct flight tests for the endorsement and grant the endorsement.</p> <p>Approvals under regulation 61.040 for the purposes of subregulations 61.245 (3) and 61.150 (7) are included. Subregulation 61.245 (3) allows the holder of a 61.040 approval to conduct a flight test. Subregulation 61.150 (7) allows the holder of a 61.040 approval to grant, relevantly, a flight crew endorsement, subject to the limitations of the approval.</p> <p>The approvals in subsections 6 (2) - (4) are subject to the conditions in section 7 (subsection 6 (5)).</p> <p>Questions for consultation:</p> <ul style="list-style-type: none"> • Do you have any feedback on the prerequisite experience requirements set out for trainers? • Does the instructor conducting the trainer training course need to have competency or experience conducting sling operations? This could be incorporated by requiring the instructor to hold the sling operations endorsement in addition to either the Grade 1 training endorsement or the instructor rating training endorsement and the low-level rating

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<p>examiner-rating-course.</p> <p>(2) The pilot is approved under regulation 141.035 of CASR, for regulation 141.050, to conduct flight training for the grant of a sling operations endorsement in relation to the holder of a pilot licence.</p> <p><i>Note</i> This approval authorises the pilot to conduct training that falls within the ambit of paragraph (1) (e) of the definition of Part 141 flight training in regulation 141.015 of CASR.</p> <p>(3) The pilot is approved under regulation 61.040 of CASR, for subregulation 61.245(3), to conduct a flight test for the grant of a sling operations endorsement in relation to the holder of a pilot licence.</p> <p>(4) The pilot is approved under regulation 61.040 of CASR, for subregulation 61.150(7), to grant a sling operations endorsement in relation to the holder of a pilot licence.</p> <p>(5) The approvals in this section are subject to the conditions in section 7.</p>	<p>training endorsement.</p>

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<p>7 Conditions</p> <p>A pilot who is approved under section 6 must ensure compliance with the following conditions:</p> <p>(a) the pilot must, in relation to an approval under subsection 6(2), complete a recurrent check every 2 years in conducting flight training, assessed by a flight instructor who holds:</p> <p>(i) a grade 1 training endorsement or an instructor rating training endorsement; and</p> <p>(ii) a low-level rating training endorsement or a sling operations training endorsement;</p> <p>(b) the pilot must, if conducting a flight test under an approval in subsection 6(3), comply with the following requirements and obligations of Part 61 of CASR as if the pilot were a flight examiner:</p> <p>(i) subregulation 61.1275 (3);</p> <p>(ii) paragraph 61.1280(3)(e);</p> <p>(iii) regulation 61.1295;</p> <p>(iv) subregulations 61.1300 (4) and (5).</p> <p>(c) the pilot must be registered with FTM and use the FTM as the method of flight test notification for the flight test.</p>	<p>Section 7 sets out the conditions that must be met for trainers to conduct training, flight tests and grant a sling operations endorsement under the approvals.</p> <p>Generally, the conditions are that:</p> <ul style="list-style-type: none"> • The trainer must use the flight test management system to notify of a flight test • The trainer must complete a biennial check to ensure they continue to be competent conducting training for sling operations endorsements • The trainer must comply with examiner obligations, including that the pilot must: <ul style="list-style-type: none"> ○ Meet recent experience requirements for the low-level rating: subregulation 61.1275 (3) ○ Meet flight review requirements for the low-level rating: paragraph 61.1280(3)(e) ○ Be nominated by the Part 138 operator approved under subsection (4) (1) to conduct the flight test (subregulation 61.1295 (1)) ○ Conduct the flight test in accordance with the MOS standards (subregulation 61.1295 (3)) ○ Advise the applicant, operator and CASA of the flight test outcome (subregulation 61.1295 (4)) ○ Notify CASA of the flight test (subregulation 61.1295 (5)) ○ Be satisfied the applicant satisfies e.g. flight training requirements: subregulation 61.1300 (4), and holds an applicable medical certificate: subregulation 61.1300 (5).
<p>Part 4 — Approval of operators to conduct flight training for winch and rappelling operations endorsement</p> <p><i>Note</i> This Part is made under regulations 11.056 and 141.035 of CASR.</p>	<p>Part 4 sets out the approval (section 8) needed for relevant Part 138 operators to conduct flight training for the winch and rappelling operations endorsement, and the conditions (section 9) that the operator must comply with.</p>

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<p>8 Approval</p> <p>(1) An operator who holds an aerial work certificate under Part 138 of CASR that authorises the conduct by a helicopter of the operations mentioned in the activity authorised by a winch and rappelling operations endorsement is approved under regulation 141.035 of CASR, for regulation 141.050 of CASR, to conduct flight training for a winch and rappelling operations endorsement in relation to the holder of a pilot licence.</p> <p>(2) The operator must ensure compliance with the conditions in section 9.</p>	<p>Subsection 8 (1) approves an operator who holds an aerial work certificate under Part 138 of CASR that authorises the conduct of winching and/or rappelling operations to conduct flight training for a winch and rappelling operations endorsement.</p> <p>An approval under regulation 141.035 of CASR for the purposes of regulation 141.050 is required. Regulation 141.050 allows the holder of an approval under regulation 141.035 to conduct Part 141 flight training.</p> <p>An operator approved under subsection 8 (1) must comply with the conditions in section 9 (subsection 8 (2)).</p>
<p>9 Conditions</p> <p>(1) The flight training must be managed by the operator’s head of operations or head of training and checking.</p> <p>(2) The operator must not employ or engage (whether by contract or other arrangement) a person to conduct the flight training unless the person is approved under subsection 10(2) to do so.</p> <p>(3) The operator’s operations manual must contain a description of the flight training activities and state who may conduct them.</p> <p>(4) Flight training for a winch and rappelling operations endorsement must not be conducted unless the person conducting the training is authorised under Part 61 of CASR to exercise the privileges of that endorsement.</p> <p>(5) The flight training must meet the following requirements:</p> <p>(a) the aeronautical knowledge training, practical flight training and assessments must comply with the Part 61 MOS;</p> <p>(b) the practical flight training must include:</p> <p>(i) at least 3 flights in an aircraft of the same type as that to be used for the winch or rappelling operations following the successful completion of the training; and</p> <p>(ii) at least 5 winch or rappelling operations conducted during the total of the conducted flights, at least 1 of which is conducted during each flight;</p>	<p>Section 9 sets out the conditions that an operator must ensure are met. Generally, the conditions are that:</p> <ul style="list-style-type: none"> • the operator’s head of operations or head of training and checking must manage the training • the person conducting the training for the operator must be approved to conduct the training under subsection 10(2) of the instrument and authorised to exercise the privileges of the same endorsement as they are conducting training for • the operator must include details of the training in their operations manual. This will involve amending the operations manual and will be treated as a significant change • the operator must comply with requirements for trainee records, course completion certificates and document retention • the training must meet certain requirements. Most relevantly, the flight training must comply with the Part 61 MOS. The flight training must also include a minimum of 5 winch or rappelling operations, to be conducted during at least 3 flights. The proposed instrument does not currently include a definition of winch or rappelling operations, nor does CASR include a definition, however this flight training is expected to include or address a variety of factors, situations and environments so that trainees gain exposure and experience to varied situations. This training may need to involve many more than 5 operations and 3 flights, depending on the trainee’s competence and the type and nature of operations conducted by the operator. In addition, the training can only

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<p>(c) both the theoretical and practical components of the flight training must be conducted in a suitable ground environment and airspace, with appropriate facilities and training resources;</p> <p>(d) the aircraft used for the flight training must be airworthy and suitable for the training;</p> <p>(e) the person conducting the training must be competent to conduct the flight training (including assessment).</p> <p>(6) Flight training for a winch and rappelling operations endorsement must not be delivered to an applicant unless the applicant:</p> <p>(a) has completed at least 100 hours as pilot in command of a helicopter; and</p> <p>(b) meets the relevant requirements in table 61.1075 for the grant of the endorsement.</p> <p>(7) A course completion certificate must be issued to an applicant who successfully completes the flight training that specifies the names of the operator, the person conducting the training and the applicant (in addition to the details required for such a certificate under paragraph 61.195(2)(e) of CASR).</p> <p>(8) A record of the following details must be made by the person conducting the training as soon as practicable after the successful completion of flight training by an applicant, and kept by the operator in a secure place for a period of at least 3 years:</p> <p>(a) the applicant's name, ARN and dates of commencement and completion of flight training;</p> <p>(b) for each flight training activity:</p> <p>(i) the location;</p> <p>(ii) the date;</p> <p>(iii) the aircraft type, nationality and registration marks;</p> <p>(iv) the flight time, and whether the flight was undertaken by the applicant in authorised dual flight, solo or as pilot in command under supervision;</p>	<p>be delivered to an applicant who, in addition to the existing CASR prerequisites for the endorsement, has completed at least 100 hours as pilot in command of a helicopter.</p> <p>Questions for consultation:</p> <ul style="list-style-type: none"> • Comment on suitability of training requirements • Comment on whether a definition of winch or rappelling operations is desirable, or whether operators can reliably determine what the operations are for the purpose of the training without CASA stipulating what must be included or addressed in a winch or rappelling operation

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<ul style="list-style-type: none"> (v) the results of the applicant's performance measured against the relevant Part 61 MOS competency requirements; (c) a copy of the applicant's course completion certificate together with the additional details required under subsection (7). 	
<p>Part 5 — Approval of pilots to conduct flight training and flight tests for grant of winch and rappelling operations endorsement</p> <p>Note This Part is made under regulations 11.056, 61.040 and 141.035 of CASR.</p>	<p>Part 5 sets out the approvals (section 10) needed for relevant pilots to conduct nominated flight training and testing, and the conditions (section 11) that the pilot must comply with.</p>
<p>10 Approval</p> <p>(1) This section applies in relation to a pilot who:</p> <ul style="list-style-type: none"> (a) holds: <ul style="list-style-type: none"> (i) a commercial pilot licence or an air transport pilot licence; and (ii) a low-level rating and a winch and rappelling operations endorsement; and (b) is employed or engaged (whether by contract or other arrangement) by an operator approved under section 8; and (c) has at least 1 000 hours experience as pilot in command of a helicopter; and (d) at least 2 years operational experience conducting winch and rappelling operations including the conduct of at least 100 winch or rappelling operations; and (e) is qualified in principles and methods of instruction: <ul style="list-style-type: none"> (i) by having completed an approved course of training in principles and methods of instruction delivered by a Part 141 flight training operator; or (ii) by holding a Certificate IV in Training and Assessment; or (iii) by holding a tertiary qualification in teaching; and 	<p>Subsection 10 (1) sets out the prerequisites that a pilot must meet to be approved to conduct flight training (“trainer”). Relevantly, the trainer must be highly experienced in conducting winch or rappelling operations and be employed or engaged by an operator approved to conduct flight training under section 8.</p> <p>In addition, the trainer must complete a course of instructor training conducted at a Part 141 flight training operator. The purpose of this course is to ensure that the trainer gains basic instructional competencies to deliver training for the winch and rappelling operations endorsement. The course needs to be delivered by an instructor with either the Grade 1 training endorsement or the instructor rating training endorsement and the low-level rating training endorsement. The intent is for the training to be delivered by an experienced instructor with the ability to teach others how to deliver training, and who has competency operating at low level.</p> <p>Questions have been raised as to whether this instructor also needs to have competency conducting winch and rappelling operations. CASA is seeking feedback on whether an instructor with either the Grade 1 training endorsement or the instructor rating training endorsement and the low-level rating training endorsement should also be required to have the winch and rappelling operations endorsement.</p> <p>Subsection 10 (2) approves a trainer to conduct flight training for the grant of a winch and rappelling operations endorsement.</p>

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<p>(f) has completed a course of instructor training delivered by a Part 141 flight training operator that:</p> <p>(i) comprises at least 5 hours dual flight training in a non-pilot in command seat; and</p> <p><i>Note</i> This would provide evidence of the trainer’s competency in flying an aircraft in a control seat from which flight training will be delivered.</p> <p>(ii) is delivered by a flight instructor who holds:</p> <p>a. a grade 1 training endorsement or instructor rating training endorsement; and</p> <p>b. a low-level rating training endorsement or a winch and rappelling operations training endorsement; and</p> <p>(iii) involves an assessment by the flight instructor of the pilot’s competency to deliver training for the endorsement; and</p> <p>(g) has successfully completed the e-learning modules of the <i>Flight examiner rating course</i>, prepared by CASA:</p> <p>(i) if completed before this instrument commences — as that course existed at the time the pilot completed the course; or</p> <p>(ii) if completed after this instrument commences — as that course existed at the time this instrument commences.</p> <p><i>Note</i> The details of this course can be found on the internet at: https://www.casa.gov.au/licences-and-certificates/flight-examiners/flight-examiner-rating-course.</p> <p>(2) The pilot is approved under regulation 141.035 of CASR, for regulation 141.050, to conduct flight training for the grant of a winch and rappelling operations endorsement in relation to the holder of a pilot licence.</p> <p><i>Note</i> This approval authorises the pilot to conduct training that falls within the ambit of paragraph (1) (e) of the definition of Part 141 flight training in regulation 141.015 of CASR.</p> <p>(3) The pilot is approved under regulation 61.040 of CASR, for subregulation 61.245(3), to conduct a flight test for the grant of a winch and rappelling operations endorsement in relation to the holder of a pilot licence.</p>	<p>An approval under regulation 141.035 of CASR for the purposes of regulation 141.050 is included. Regulation 141.050 allows the holder of an approval under regulation 141.035 to conduct Part 141 flight training.</p> <p>Subsections 10 (3) and (4) ensures trainers are authorised to conduct flight tests for the endorsement and grant the endorsement.</p> <p>Approvals under regulation 61.040 for the purposes of subregulations 61.245 (3) and 61.150 (7) are included. Subregulation 61.245 (3) allows the holder of a 61.040 approval to conduct a flight test. Subregulation 61.150 (7) allows the holder of a 61.040 approval to grant, relevantly, a flight crew endorsement, subject to the limitations of the approval.</p> <p>The approvals in subsections 6 (2) - (4) are subject to the conditions in section 7 (subsection 6 (5)).</p> <p>Questions for consultation:</p> <ul style="list-style-type: none"> • Do you have any feedback on the prerequisite experience requirements set out for trainers? • Does the instructor conducting the trainer training course need to have competency or experience conducting winch and rappelling operations? This could be incorporated by requiring the instructor to hold the winch and rappelling operations endorsement in addition to either the Grade 1 training endorsement or the instructor rating training endorsement and the low-level rating training endorsement.

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<p>(4) The pilot is approved under regulation 61.040 of CASR, for subregulation 61.150(7), to grant a winch and rappelling operations endorsement in relation to the holder of a pilot licence.</p> <p>(5) The approvals in this section are subject to the conditions in section 11.</p>	
<p>11 Conditions</p> <p>A pilot who is approved under section 10 must ensure compliance with the following conditions:</p> <p>(a) the pilot must, in relation to an approval under subsection 10(2), complete a recurrent check every 2 years in conducting flight training, assessed by a flight instructor who holds:</p> <p>(i) a grade 1 training endorsement or an instructor rating training endorsement; and</p> <p>(ii) a low-level rating training endorsement or a winch and rappelling operations training endorsement;</p> <p>(b) the pilot must, if conducting a flight test under an approval in subsection 10(3), comply with the following requirements and obligations of Part 61 of CASR as if the pilot were a flight examiner:</p> <p>(i) subregulation 61.1275 (3);</p> <p>(ii) paragraph 61.1280(3)(e);</p> <p>(iii) regulation 61.1295;</p> <p>(iv) subregulations 61.1300 (4) and (5).</p> <p>(c) the pilot must be registered with FTM and use the FTM as the method of flight test notification for the flight test.</p>	<p>Section 11 sets out the conditions that must be met for trainers to conduct training, flight tests and grant a winch and rappelling operations endorsement under the approvals.</p> <p>Generally, the conditions are that:</p> <ul style="list-style-type: none"> • The trainer must use the flight test management system to notify of a flight test • The trainer must complete a biennial check to ensure they continue to be competent conducting training for winch and rappelling operations endorsements • The trainer must comply with examiner obligations, including that the pilot must: <ul style="list-style-type: none"> ○ Meet recent experience requirements for the low-level rating: subregulation 61.1275 (3) ○ Meet flight review requirements for the low-level rating: paragraph 61.1280(3)(e) ○ Be nominated by the Part 138 operator approved under subsection (8) (1) to conduct the flight test (subregulation 61.1295 (1)) ○ Conduct the flight test in accordance with the MOS standards (subregulation 61.1295 (3)) ○ Advise the applicant, operator and CASA of the flight test outcome (subregulation 61.1295 (4)) ○ Notify CASA of the flight test (subregulation 61.1295 (5)) ○ Be satisfied the applicant satisfies e.g. flight training requirements: subregulation 61.1300 (4), and holds an applicable medical certificate: subregulation 61.1300 (5).

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<p>Part 6 — Approval of operators to conduct flight training for firefighting endorsements and aerial application rating</p> <p><i>Note</i> This Part is made under regulations 11.056 and 141.035 of CASR.</p>	<p>Part 6 sets out the approvals (sections 12 and 13) needed for relevant Part 137 and 138 operators to conduct nominated flight training, and the conditions (section 14) that the operator must comply with.</p>
<p>12 Approval — aeroplane firefighting endorsement and aerial application rating</p> <p>(1) An operator who holds an AOC under Part 137 of CASR that authorises the conduct by an aeroplane of the operations mentioned in each activity authorised by an aeroplane firefighting endorsement is approved under regulation 141.035 of CASR, for regulation 141.050 of CASR, to conduct flight training for the following in relation to the holder of a pilot licence:</p> <p>(a) an aeroplane firefighting endorsement;</p> <p>(b) an aerial application rating.</p> <p>(2) The operator must ensure compliance with the conditions in section 14.</p>	<p>Subsection 12 (1) approves an operator who holds an AOC under Part 137 of CASR that authorises the conduct of firefighting operations to conduct flight training for an aeroplane firefighting endorsement.</p> <p>Operators will also be able to conduct training for the underpinning aerial application rating. This recognises that applicants for an aeroplane firefighting endorsement will typically not hold the rating before commencing training for the endorsement.</p> <p>An approval under regulation 141.035 of CASR for the purposes of regulation 141.050 is required. Regulation 141.050 allows the holder of an approval under regulation 141.035 to conduct Part 141 flight training.</p> <p>An operator approved under subsection 12 (1) must comply with the conditions in section 14 (subsection 12 (2)).</p>
<p>13 Approval — helicopter firefighting endorsement and aerial application rating</p> <p>(1) An operator who holds an aerial work certificate under Part 138 of CASR that authorises the conduct by a helicopter of the operations mentioned in each activity authorised by a helicopter firefighting endorsement is approved under regulation 141.035 of CASR, for regulation 141.050 of CASR, to conduct flight training for the following in relation to the holder of a pilot licence:</p> <p>(a) a helicopter firefighting endorsement;</p> <p>(b) an aerial application rating.</p> <p>(2) The operator must ensure compliance with the conditions in section 14.</p>	<p>Subsection 13 (1) approves an operator who holds an aerial work certificate under Part 138 of CASR that authorises the conduct of firefighting operations to conduct flight training for a helicopter firefighting endorsement.</p> <p>Operators will also be able to conduct training for the underpinning aerial application rating. This recognises that applicants for a helicopter firefighting endorsement will typically not hold the rating before commencing training for the endorsement.</p> <p>An approval under regulation 141.035 of CASR for the purposes of regulation 141.050 is required. Regulation 141.050 allows the holder of an approval under regulation 141.035 to conduct Part 141 flight training.</p> <p>An operator approved under subsection 13 (1) must comply with the conditions in section 14 (subsection 13 (2)).</p>
<p>14 Conditions</p> <p>(1) The flight training must be managed by:</p> <p>(a) if the operator is approved under subsection 12 (1) — the operator’s</p>	<p>Section 14 sets out the conditions that an operator must ensure are met. Generally, the conditions are that:</p> <ul style="list-style-type: none"> the operator’s head of flight operations, head of operations or head of

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<p>head of flight operations; and</p> <p>(b) if the operator is approved under subsection 13 (1) — the operator’s head of operations or head of training and checking.</p> <p>(2) The operator must not employ or engage (whether by contract or other arrangement) a person to conduct the flight training unless the person is approved under subsection 15(2) to do so.</p> <p>(3) The operator’s operations manual must contain a description of the flight training activities and state who may conduct them.</p> <p>(4) Flight training for a firefighting endorsement and an aerial application rating must not be conducted unless the person conducting the training is authorised under Part 61 of CASR to exercise the privileges of that endorsement.</p> <p>(5) The flight training must meet the following requirements:</p> <p>(a) the aeronautical knowledge training, practical flight training and assessments must comply with the Part 61 MOS;</p> <p>(b) the practical flight training for a firefighting endorsement must include:</p> <p>(i) at least 5 hours of authorised dual flight in an aircraft of the relevant category while receiving training in firefighting operations; and</p> <p>(ii) at least 3 flights in an aircraft of the same type as that to be used for the firefighting operations following the successful completion of the training; and</p> <p>(iii) at least 5 firefighting operations conducted during the total of the conducted flights, at least 1 of which is conducted during each flight.</p> <p>(c) both the theoretical and practical components of the flight training must be conducted in a suitable ground environment and airspace, with appropriate facilities and training resources;</p> <p>(d) the aircraft used for the flight training must be airworthy and suitable for the training;</p> <p>(e) the person conducting the training must be competent to conduct the</p>	<p>training and checking must manage the training</p> <ul style="list-style-type: none"> • the person conducting the training for the operator must be approved to conduct the training under subsection 15 (2) of the instrument and authorised to exercise the privileges of the same endorsement as they are conducting training for • the operator must include details of the training in their operations manual. This will involve amending the operations manual and will be treated as a significant change • the operator must comply with requirements for trainee records, course completion certificates and document retention • the training must meet certain requirements. Most relevantly, the flight training must comply with the Part 61 MOS. The flight training must also include a minimum of 5 hours of authorised dual flight in an aircraft of the relevant category while receiving training in firefighting operations, at least 5 firefighting operations, to be conducted during at least 3 flights. The proposed instrument does not currently include a definition of firefighting operations, nor does CASR include a definition, however this flight training is expected to include or address a variety of factors, situations and environments so that trainees gain exposure and experience to varied situations. This training may need to involve many more than 5 operations and 3 flights, depending on the trainee’s competence and the type and nature of operations conducted by the operator. In addition, the training can only be delivered to an applicant who, in addition to the existing CASR prerequisites for the endorsement, holds a low-level rating and low-level endorsement for the category of aircraft they are seeking to gain the firefighting endorsement for. This is to ensure that trainees have competence operating at low level before starting training for the firefighting endorsement. • The instrument proposes to allow the aerial application rating to be trained, assessed and granted at the same time as the firefighting endorsement. This is in recognition that applicants for a firefighting endorsement will typically not hold the rating before commencing training for the endorsement.

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<p>flight training (including assessment).</p> <p>(6) Flight training for a firefighting endorsement and an aerial application rating must not be delivered to an applicant unless the applicant:</p> <p>(a) has completed at least 200 hours as pilot of an aircraft of the relevant category; and</p> <p>(b) holds a low-level rating; and</p> <p>(c) holds a low-level endorsement for an aircraft of the relevant category.</p> <p>(7) A course completion certificate must be issued to an applicant who successfully completes the flight training that specifies the names of the operator, the person conducting the training and the applicant (in addition to the details required for such a certificate under paragraph 61.195(2)(e) of CASR).</p> <p>(8) A record of the following details must be made by the person conducting the training as soon as practicable after the successful completion of flight training by an applicant, and kept by the operator in a secure place for a period of at least 3 years:</p> <p>(a) the applicant's name, ARN and dates of commencement and completion of flight training;</p> <p>(b) for each flight training activity:</p> <p>(i) the location;</p> <p>(ii) the date;</p> <p>(iii) the aircraft type, nationality and registration marks;</p> <p>(iv) the flight time, and whether the flight was undertaken by the applicant in authorised dual flight, solo or as pilot in command under supervision;</p> <p>(v) the results of the applicant's performance measured against the relevant Part 61 MOS competency requirements;</p> <p>(c) a copy of the applicant's course completion certificate together with the additional details required under subsection (7).</p>	<p>Questions for consultation:</p> <ul style="list-style-type: none"> • Comment on suitability of training requirements • Comment on suitability of allowing operators and instructors to also conduct training and assessment for the aerial application rating in addition to the firefighting endorsement • Comment on whether a definition of firefighting operations is desirable, or whether operators can reliably determine what the operations are for the purpose of the training without CASA stipulating what must be included or addressed in a firefighting operation

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<p>Part 7 — Approval of pilots to conduct flight training and flight tests for firefighting endorsements and aerial application ratings</p> <p>Note This Part is made under regulations 11.056, 61.040 and 141.035 of CASR.</p>	<p>Part 7 sets out the approvals (section 15) needed for relevant pilots to conduct nominated flight training and testing, and the conditions (section 16) that the pilot must comply with.</p>
<p>15 Approval</p> <p>(1) This section applies in relation to a pilot who:</p> <p>(a) holds:</p> <p>(i) a commercial pilot licence or an air transport pilot licence; and</p> <p>(ii) an aerial application rating and a firefighting endorsement; and</p> <p>(b) is employed or engaged (whether by contract or other arrangement) by an operator approved under section 12 or 13; and</p> <p>(c) has at least 2 years operational experience conducting firefighting operations (not category-specific); and</p> <p>(d) has at least 300 hours experience as a pilot conducting firefighting operations, including at least 50 hours as pilot in command of an aircraft of the relevant category for the endorsement for which the pilot is to conduct flight training and flight tests; and</p> <p>(e) is qualified in principles and methods of instruction:</p> <p>(i) by having completed an approved course of training in principles and methods of instruction delivered by a Part 141 flight training operator; or</p> <p>(ii) by holding a Certificate IV in Training and Assessment; or</p> <p>(iii) by holding a tertiary qualification in teaching; and</p> <p>(f) has completed a course of instructor training delivered by a Part 141 flight training operator that:</p> <p>(i) comprises at least 5 hours dual flight training in a non-pilot in command seat; and</p> <p><i>Note</i> This would provide evidence of the trainer’s competency in flying an</p>	<p>Subsection 15 (1) sets out the prerequisites that a pilot must meet to be approved to conduct flight training (“trainer”). Relevantly, the trainer must be highly experienced in conducting firefighting operations and be employed or engaged by an operator approved to conduct flight training under section 12 or 13.</p> <p>In addition, the trainer must complete a course of instructor training conducted at a Part 141 flight training operator. The purpose of this course is to ensure that the trainer gains basic instructional competencies to deliver training for the firefighting endorsement. The course needs to be delivered by an instructor with either the Grade 1 training endorsement or the instructor rating training endorsement and the low-level rating training endorsement or aerial application rating (day) training endorsement. The intent is for the training to be delivered by an experienced instructor with the ability to teach others how to deliver training, and who has competency operating at low level.</p> <p>Questions have been raised as to whether this instructor also needs to have competency conducting aerial application or firefighting operations. CASA is seeking feedback on whether an instructor with either the Grade 1 training endorsement or the instructor rating training endorsement and the low-level rating training endorsement should also be required to have the aerial application rating or firefighting endorsement for the relevant category of aircraft.</p> <p>Subsection 15 (2) approves a trainer to conduct flight training for the grant of a firefighting endorsement and associated aerial application rating.</p> <p>An approval under regulation 141.035 of CASR for the purposes of regulation 141.050 is included. Regulation 141.050 allows the holder of an approval under regulation 141.035 to conduct Part 141 flight training.</p> <p>Subsections 15 (3) and (4) ensures trainers are authorised to conduct flight tests for the endorsement and rating, and grant the endorsement and rating.</p> <p>Approvals under regulation 61.040 for the purposes of subregulations 61.245</p>

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<p>aircraft in a control seat from which flight training will be delivered.</p> <p>(ii) is delivered by a flight instructor who holds:</p> <p style="padding-left: 40px;">c. a grade 1 training endorsement or instructor rating training endorsement; and</p> <p style="padding-left: 40px;">d. a low-level rating training endorsement or an aerial application rating (day) training endorsement (category specific); and</p> <p>(iii) involves an assessment by the flight instructor of the pilot's competency to deliver training for the endorsement; and</p> <p>(g) has successfully completed the e-learning modules of the <i>Flight examiner rating course</i>, prepared by CASA:</p> <p style="padding-left: 40px;">(i) if completed before this instrument commences — as that course existed at the time the pilot completed the course; or</p> <p style="padding-left: 40px;">(ii) if completed after this instrument commences — as that course existed at the time this instrument commences.</p> <p><i>Note</i> The details of this course can be found on the internet at: https://www.casa.gov.au/licences-and-certificates/flight-examiners/flight-examiner-rating-course.</p> <p>(2) The pilot is approved under regulation 141.035 of CASR, for regulation 141.050, to conduct flight training for the grant of a firefighting endorsement and an aerial application rating, for aircraft of the relevant category in relation to the holder of a pilot licence.</p> <p><i>Note</i> This approval authorises the pilot to conduct training that falls within the ambit of paragraph (1) (c) of the definition of Part 141 flight training in regulation 141.015 of CASR.</p> <p>(3) The pilot is approved under regulation 61.040 of CASR, for subregulation 61.245(3), to conduct a flight test for the grant of a firefighting endorsement and an aerial application rating, for aircraft of the relevant category in relation to the holder of a pilot licence.</p> <p>(4) The pilot is approved under regulation 61.040 of CASR, for subregulation 61.150(7), to grant a firefighting endorsement and an aerial application rating, for aircraft of the relevant category in relation to the holder of a pilot</p>	<p>(3) and 61.150 (7) are included. Subregulation 61.245 (3) allows the holder of a 61.040 approval to conduct a flight test. Subregulation 61.150 (7) allows the holder of a 61.040 approval to grant, relevantly, a flight crew rating and endorsement, subject to the limitations of the approval.</p> <p>The approvals in subsections 15 (2) - (4) are subject to the conditions in section 16 (subsection 15 (5)).</p> <p>Questions for consultation:</p> <ul style="list-style-type: none"> • Do you have any feedback on the prerequisite experience requirements set out for trainers? • Does the instructor conducting the trainer training course need to have competency or experience conducting aerial application and/or firefighting operations? This could be incorporated by requiring the instructor to hold the aerial application rating or firefighting endorsement for the relevant category of aircraft in addition to either the Grade 1 training endorsement or the instructor rating training endorsement and the low-level rating training endorsement.

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<p>licence.</p> <p>(5) The approvals in this section are subject to the conditions in section 16.</p>	
<p>16 Conditions</p> <p>A pilot who is approved under section 15 must ensure compliance with the following conditions:</p> <p>(a) the pilot must, if conducting flight training under an approval in subsection 15(2), or a flight test under an approval in subsection 15(3), hold a firefighting endorsement for the same category of aircraft as that for which the flight training or flight test (as the case may be) is conducted;</p> <p>(b) the pilot must, in relation to an approval under subsection 15(2), complete a recurrent check every 2 years in conducting flight training, assessed by a flight instructor who holds:</p> <p>(i) a grade 1 training endorsement or an instructor rating training endorsement; and</p> <p>(ii) a low-level rating training endorsement or an aerial application rating (day) training endorsement (category specific);</p> <p>(c) the pilot must, if conducting a flight test under an approval in subsection 15(3), comply with the following requirements and obligations of Part 61 of CASR as if the pilot were a flight examiner:</p> <p>(i) subregulation 61.1275(2) and (3);</p> <p>(ii) paragraph 61.1280 (2)(c) and (3)(c);</p> <p>(iii) regulation 61.1295;</p> <p>(iv) subregulations 61.1300 (4) and (5).</p> <p>(d) the pilot must be registered with FTM and use the FTM as the method of flight test notification for the flight test.</p>	<p>Section 16 sets out the conditions that must be met for trainers to conduct training, flight tests and grant a firefighting endorsement and aerial application rating under the approvals.</p> <p>Generally, the conditions are that:</p> <ul style="list-style-type: none"> • The trainer must use the flight test management system to notify flight tests • The trainer must complete a biennial check to ensure they continue to be competent conducting training for firefighting endorsements • The trainer must comply with examiner obligations, including that the pilot must: <ul style="list-style-type: none"> ○ Meet recent experience requirements for the low-level rating and aerial application rating: subregulations 61.1275 (2) and (3) ○ Meet proficiency check requirements for the aerial application rating: paragraphs 61.1280 (2)(c) and (3)(c) ○ Be nominated by the Part 137 or 138 operator approved under subsection (12)(1) or (13)(1) to conduct the flight test (subregulation 61.1295 (1)) ○ Conduct the flight test in accordance with the MOS standards (subregulation 61.1295 (3)) ○ Advise the applicant, operator and CASA of the flight test outcome (subregulation 61.1295 (4)) ○ Notify CASA of the flight test (subregulation 61.1295 (5)) ○ Be satisfied the applicant satisfies e.g. flight training requirements: subregulation 61.1300 (4), and holds an applicable medical certificate: subregulation 61.1300 (5).