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| Title | Assemble and statically balance helicopter rotors | | |
| Level | 4 | Credits | 4 |

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| Purpose | People credited with this unit standard are able to: prepare to assemble helicopter rotors; assemble helicopter rotors; statically balance helicopter rotors; and complete finishing activities related to the assembly and static balancing task of helicopter rotors. |
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| Classification | Aeronautical Engineering > Helicopter Maintenance |
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| Available grade | Achieved |
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Guidance Information

- 1 All tasks must be carried out in accordance with enterprise procedures.
- 2 **Definition**
Enterprise procedures – procedures used by the organisation carrying out the work and applicable to the tasks being carried out. Examples are – standard operating procedures, safety procedures, equipment operating procedures, codes of practice, quality management practices and standards, procedures to comply with legislative and local body requirements.
- 3 Helicopter rotors include main and tail rotor, hub, blades.
- 4 The scope of the system that this standard relates to is described in the applicable chapters of ATA iSpec 2200.

Outcomes and performance criteria

Outcome 1

Prepare to assemble helicopter rotors.

Performance criteria

- 1.1 Task is determined by reviewing maintenance documentation.
- 1.2 Work area is prepared, and resources obtained and checked for serviceability or status.

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| Range | may include but is not limited to – publications, tools, equipment, safety equipment, materials, environmental conditions established. |
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Outcome 2

Assemble helicopter rotors.

Performance criteria

- 2.1 Hub and blades are procured and verified as authentic and serviceable.
Range inspect, identify, match blades, confirm modification status.
- 2.2 Blades are fitted to hub.
- 2.3 Inspections are obtained in accordance with enterprise procedures.
Range independent, duplicate, progressive.

Outcome 3

Statically balance helicopter rotors.

Performance criteria

- 3.1 Rotor is positioned on and removed from alignment and balancing equipment.
- 3.2 Rotor is statically balanced.
- 3.3 Inspections are obtained.
Range independent, duplicate, progressive.

Outcome 4

Complete finishing activities related to the assembly and static balancing task of helicopter rotors.

Performance criteria

- 4.1 Rotor is prepared for use, storage, or transit.
- 4.2 Completion activities specific to the task and work area are carried out.
Range may include but is not limited to – tool control, cleanliness, tidiness, return of publications, preparation for next activity, return of helicopter and systems to normal.
- 4.3 Resources are checked for serviceability and returned to service or storage.
Range tools, equipment, safety equipment.

4.4 Leftover items, parts, and materials are disposed of.

Range may include but is not limited to – serviceable, unserviceable, surplus, waste, scrap, hazardous.

4.5 Documentation is completed.

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| Planned review date | 31 December 2027 |
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Status information and last date for assessment for superseded versions

| Process | Version | Date | Last Date for Assessment |
|-----------------------|---------|---------------|--------------------------|
| Registration | 1 | 19 June 1995 | 31 December 2016 |
| Revision | 2 | 7 August 1997 | 31 December 2016 |
| Revision | 3 | 8 May 2001 | 31 December 2016 |
| Review | 4 | 20 June 2006 | 31 December 2016 |
| Review | 5 | 18 June 2014 | 31 December 2021 |
| Review | 6 | 26 March 2020 | N/A |
| Rollover and Revision | 7 | 27 June 2024 | N/A |

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| Consent and Moderation Requirements (CMR) reference | 0028 |
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact Ringa Hora Services Workforce Development Council qualifications@ringahora.nz if you wish to suggest changes to the content of this unit standard.