

Title	Administer helicopter landing operations in an energy and chemical offshore installation		
Level	4	Credits	4

Purpose	People credited with this unit standard are, on an offshore installation, able to: demonstrate knowledge of helicopter operation and safety equipment and procedures; assess helicopter hazards and their potential consequences; use and interpret documentation and maintain reports for helicopter landing operations; and locate and describe emergency procedures and contingency plans for helicopter landings.
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Classification	Aviation > Aircraft Operation
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Available grade	Achieved
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Guidance Information

- 1 Legislation and codes of practice relevant to this unit standard include but are not limited to:
 - Health and Safety at Work Act 2015;
 - Hazardous Substances and New Organisms Act 1996;
 - AN6 *Operation of Aircraft: Part III: International Operations: Helicopters* (Montreal: International Civil Aviation Association, 2016), available at <http://icao.int>;
 - *Helicopter Landing Officer's Handbook* 2014 10th Edition, available at <http://www.opito.com>;
 - *Standards for offshore helicopter landing areas CAP-437* available from <https://www.caa.co.uk/home/>; and any subsequent amendments.

- 2 Definitions

General documentation – may be met by Fleet Management systems such as TrackIt and on-board Landing Condition Systems such as Vaisala.

Site requirements – the site-specific documented methods for performing work activities and include health, safety, environmental, and quality management requirements. They may refer to manuals, codes of practice, or policy statements.

- 3 For the purposes of assessment:
 - evidence for the practical components of this unit standard must be supplied from the workplace.
 - evidence for all outcomes must be presented in accordance with site requirements.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of helicopter operation and safety equipment and procedures on an offshore installation.

Performance criteria

1.1 Identify and describe equipment for routine helicopter operations.

Range signalling equipment, loading and securing equipment, personal protective equipment, firefighting equipment and personnel.

1.2 Identify and describe equipment for emergency helicopter operations.

Range survival equipment, firefighting equipment and personnel, platform strobe warning lights.

1.3 Describe cabin safety officer pre-flight duties in terms of their purpose.

Range briefing video, cabin safety officer duties, passenger placement.

1.4 Identify and describe standards for offshore helicopter landing areas.

Range surface, markings, lighting, obstacle free sector.

Outcome 2

Assess helicopter hazards and their potential consequences on an offshore installation.

Performance criteria

2.1 Assess operations to identify potential hazards, potential consequences and their controls.

Range includes but is not limited to – suitability of freight and packaging, loading and securing criteria, helicopter operational limitations, helicopter start up, passenger embarkation and disembarkation, ground aspects of helicopter landing and take-off, wind direction, operation of cranes, defined safe approach area, simultaneous operations, emergency landing, ditching.

2.2 Describe roles, responsibilities, and site procedures of the helicopter landing officer.

Range site procedures – pre-flight briefing, start-up and take-off, helipad operations, passenger movements, communications.

Outcome 3

Use and interpret documentation and maintain reports for helicopter landing operations on an offshore installation.

Performance criteria

3.1 Use general documentation and information for helicopter landings.

Range may include – safety data sheets, operations safety procedures, goods and passenger embarkation and disembarkation procedures, helicopter routine and emergency procedures, manifests, weather reports, weather conditions.

3.2 Report and record helicopter landings for the passengers and cargo.

Range may include – written communication, memos, notes, letters, electronic mail, job cards, verbal communication, hazardous goods declarations, passenger manifests.

3.3 Identify logging methods and maintain relevant documents.

Range may include – reporting systems, log books, freight and passenger manifests, aircraft movement documents, weather conditions, visibility, off-shore checklist.

Outcome 4

Locate and describe emergency procedures and contingency plans for helicopter landings on an offshore installation.

Performance criteria

4.1 Describe contingency planning and marshalling of resources.

Range includes but is not limited to – emergency communications, first aid support and assistance, calling outside support, signalling distress, responding to alarm, coordinating emergency situation, controlling fires, applying crash fire equipment, implementing emergency procedures where applicable.

4.2 Locate and describe emergency and site emergency response procedures.

Replacement information	This unit standard replaced unit standard 9581.
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Planned review date	31 December 2025
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	27 February 2020	N/A

Consent and Moderation Requirements (CMR) reference

0079

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact the Primary Industry Training Organisation standards@primaryito.ac.nz if you wish to suggest changes to the content of this unit standard.