



**Product title:** Helideck Emergency Response Team Member Training Standard

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**Product code:** 7041

**Product type:** OPITO Standard

**Product category:** Oil and Gas / Specialist Emergency Response / Helideck and Emergency Response Teams

### Who is the Product for?

This Product is for personnel who are to be appointed to the role of the Helideck Emergency Response Team Member (HERTM).

Training and competence assessment of OPITO-approved Helideck Emergency Response Team Members (HERTMs) will comprise both onshore training and offshore workplace training and assessment.

This Helideck Emergency Response Team Member (HERTM) Training Products form part of a wider industry Helideck Training and Competence Framework including helideck operations initial training, helideck emergency response team member and team leader initial/further training and associated helideck role workplace competence assessment standards. Further information on the wider industry Helideck Training and Competence Framework is depicted in the Helideck Training and Competence Framework - See supporting document

Appointment of HERTMs and HERTLs

The Installation, MODU or vessel Duty Holder is responsible for ensuring that personnel appointed to Helideck Emergency Response Team Member (HERTM) and Helideck Emergency Response Team Leader (HERTL) roles have received sufficient training and gained relevant experience to undertake the role(s) competently and safely.

The Duty Holder must ensure that, apart from the provision of onshore training:

- a) Workplace training is provided and workplace competence assessment is conducted, AND
- b) Additional Training - e.g. Dangerous Goods by Air Awareness (DGbA), radio operator's certificate of competence (HERTL only), helicopter refueling (where required) and meteorological/weather reporting training (where required by duty holder) is provided before the HERTL or HERTM is appointed to the role(s).

### What does this Product cover?

This Product aims to equip Offshore Helideck emergency response personnel with the knowledge, understanding and skills required to perform an emergency response team member role in offshore helideck and helicopter emergencies.

The main objectives are for learners to fully understand the role and responsibilities of a Helideck Emergency Response Team Member and practice responding to a variety of helideck firefighting and non-firefighting emergency scenarios in a training environment.

## How can you successfully achieve this Product?

To achieve the Helideck Emergency Response Team Member Training the learner will need to complete the 3 mandatory units.

## What could this Product lead to?

Helideck Emergency Response Team Member Further Training or Helideck Emergency Response Team Leader Initial Training

## What are the entry requirements?

The prerequisites for the HERTM Training are:

- a) A valid OPITO Helideck Operations Initial Training Certificate or a valid Offshore Helideck Assistant (HDA) Initial Training Certificate or a valid Offshore Helicopter Landing Officer (HLO) Training Certificate

Or

- b) A valid OPITO Helideck Emergency Response Team Leader Training Certificate

Or

- c) A valid OPITO Helideck Emergency Response Team Leader Further Training Certificate

**If a learner holds a valid Helideck Emergency Response Team Member (HERTM) OR Helideck Emergency Response Team Member Further (HERTM – F) OR Helideck Emergency Response Team Leader (HERTL) OR Helideck Emergency Response Team Leader Further (HERTL – F) certificate then there will be no requirement to complete the Helideck Operations Initial Training Standard**

### Medical entry requirements

Training activities contained within this Product may include physically demanding and potentially stressful elements. All personnel who participate in such activities must be capable of participating fully.

Therefore, OPITO-approved training centres are required, as a minimum, to ensure that prior to participating in practical exercises the learner is declared fit, in that they

- a) Possess a valid, current offshore medical certificate or
- b) Possess an operator approved medical certificate,

And

- c) Undergo medical screening by completing an appropriate medical screening form provided by the OPITO-approved Centre

The OPITO-approved Centre shall keep a record of the learners' declaration(s) of fitness in accordance with their document control policy(s) or procedures. This information, along with summary details of the type of physical activities the delegate/candidate will be asked to perform, will be given to learners by the OPITO approved Centre and, if applicable, to their sponsoring company as part of the joining instructions. The responsibility for declaring any current or pre-existing medical conditions that could have adverse effects to the individual's state of health while undertaking the training and/or assessment activities lies with the learner and/or company sponsoring the learner. Where doubt exists regarding the fitness of any learner, the OPITO-approved Centre must direct the individual to consult a medical officer familiar with the nature and extent of the training.

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Note: Practical exercises must be designed and delivered solely to meet this Product and must not place on the learners any demands other than those required to meet the Product.

### Country Specific if applicable?

N/A

### How is this Product assessed?

Learners will be assessed against the outcomes specified in accordance with the assessment guidance detailed in each unit.

### What are the Guided Learning Hours?

26 hours

### What staff resources are required to deliver this Product?

In order that a training programme may be delivered successfully it is essential that appropriately qualified and experienced people are there to deliver and support the programme and that the appropriate facilities and equipment are in place.

#### Staff

Instructional staff must:

- a) Fully understand the requirements of this industry standard.
- b) Have been trained in training delivery and training assessment techniques.
- c) Hold an industry-recognised assessor qualification.
- d) Participate in an ongoing training and development programme which ensures that they are aware and knowledgeable of relevant industry requirements and changes to requirements.
- e) Possess occupational experience in firefighting and practical knowledge of helicopter emergency response operations

**All staff** will have the appropriate competencies to conduct or assist (as appropriate) with the element of training being undertaken.

OPITO Centres must have an auditable training programme in place to ensure instructors keep up-to-date with relevant current offshore practices and changes. The programme must include at least two of the following: visit(s) to offshore fixed or mobile installations, visit(s) to heliports, visit(s) to dry-docked rigs that have helidecks.

### What facilities and equipment are required to deliver this Product?

#### Facilities

For details of facility and equipment, please refer to OPITO Standards Heli-training Facility and Equipment Specification Document

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## First Aid Facilities

Appropriate first aid facilities and equipment as specified in the training centre's risk assessments, and sufficient staff trained in the use of the facilities and equipment.

All facilities must be maintained and where appropriate, inspected and tested in accordance with current standards/legislation and manufacturers recommendations.

Risk assessments must be conducted and documented for all training facilities and equipment.

## Equipment

Equipment used during practical exercises must be of a type in use regionally on offshore oil and gas installation/vessel helidecks.

For details of facility and equipment, please refer to OPITO Standards Heli-training Facility and Equipment Specification Document

All equipment must be maintained, and where appropriate, inspected and tested in accordance with current standards/legislation, guidance and manufacturers recommendations.

## What is the validity of this Product?

2 years

## Product Summary

### Product Structure:

To achieve the Helideck Emergency Response Team Member Training the learner will need to complete the 3 mandatory units.

Unit Code	Unit Title
OIS-21	Helideck Emergency Response Preparedness
OIS-22	NUI Emergency Response
OIS-23	Helideck Emergency Response Team Member (HERTM)

## Unit Summary

Unit Code	OIS-21
Title	Helideck Emergency Response Preparedness
Guided Learning Hours	See GLH at Product level
Assessment/Evidence Requirements	Records of assessment referencing all outcomes, must be securely maintained

OUTCOMES	CRITERIA
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<p><b>1 Outcome: The key role and key responsibilities of the HERTM</b></p> <p><b>The learner will understand:</b></p>	<p>1.1 The role and key responsibilities of a HERTM</p>
<p><b>2 Outcome: The main elements of helideck emergency response plan</b></p> <p><b>The learner will understand:</b></p>	<p>2.1 The requirement for helicopter emergency response pre-planning</p> <p>2.2 The main elements of a helicopter emergency response plan</p>
<p><b>3 Outcome: Types of potential offshore helideck emergencies</b></p> <p><b>The learner will understand:</b></p>	<p>3.1 Examples of emergency scenarios involving helicopter operations and typical response requirement of HERTM to the emergency, to include:</p> <p>3.1.1 helicopter incident resulting in crash/overtaken aircraft involving fire/no fire</p> <p>3.1.2 engine fire</p> <p>3.1.3 fuel Spill during refueling operations resulting in fire/no fire</p> <p>3.1.4 emergency/precautionary landing</p> <p>3.1.5 responding to Class A fires caused by helicopter incident</p> <p>3.1.6 responding to *Class B fires (flammable liquid spill and leaking fuel fires) caused by helicopter Incident</p> <p>3.1.7 rescue from an overturned aircraft</p> <p>3.1.8 internal fire fighting</p> <p>3.1.9 responding to a helicopter incident off the helideck</p> <p>3.1.10 loss of fire main/pressure</p> <p>3.2 Events that may severely impact on flight safety, to include:</p> <p>3.2.1 aviation fuel contamination</p> <p>3.2.2 obstructed helideck</p> <p>3.2.3 wrong deck landing (wrong installation)</p> <p>3.2.4 installation, MODU or vessel status changes with helicopter on deck</p>

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<p>4 <b>Outcome: The general firefighting safety goals and objectives</b></p> <p><b>The learner will understand:</b></p>	<p>4.1 Helideck general firefighting safety goals and objectives and how to achieve them</p> <p>4.2 Offshore and onshore helicopter emergency response practice: Offshore drills and onshore fire and non-fire training practice</p>
<p>5 <b>Outcome: The purpose of typical helideck emergency systems and controls</b></p> <p><b>The learner will understand:</b></p>	<p>5.1 Typical helideck fixed firefighting equipment and systems, to include:</p> <p>5.1.1 speed of response of producing foam</p> <p>5.1.2 reliability– through weekly tests and maintenance routines</p> <p>5.1.3 coverage</p> <p>5.1.4 quality of the foam</p> <p>5.1.5 performance standards</p> <p>5.2 Deck Integrated Firefighting Systems (DIFFS)</p> <p>5.3 Typical helideck mobile firefighting equipment and systems</p> <p>5.4 Typical helideck rescue equipment, to include:</p> <p>5.4.1 engine shutdown</p> <p>5.4.2 fuel isolation</p> <p>5.4.3 fixed firefighting and protection systems (onboard helicopters)</p>

Unit Code	OIS-22
Title	NUI Emergency Response
Guided Learning Hours	See GLH at Product level
Assessment/Evidence Requirements	Records of assessment referencing all outcomes, must be securely maintained

<b>OUTCOMES</b>	<b>CRITERIA</b>
<p>1 <b>Outcome: The main differences between helideck emergency response on a main fixed or floating installation and a normally unattended installation (NUI)</b></p>	<p>1.1 The planning for emergencies on an NUI with limited emergency response capability, to include:</p> <p>1.1.1 helicopter on deck, and</p>

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<b>The learner will understand:</b>	<p>1.1.2 no helicopter on deck</p> <p>1.2 NUI Rescue, firefighting equipment and extinguishant media requirements</p> <p>1.3 The typical NUI accommodation if personnel onboard NUI have to stay beyond expected duration</p> <p>1.4 The first aid arrangements on NUI</p> <p>1.5 Evacuation procedures from NUI if no helicopter is available</p> <p>1.6 The importance of understanding and following individual company procedures relating to NUI</p> <p>1.7 Emergency response requirements</p>
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Unit Code	OIS-23
Title	Helideck Emergency Response Team Member (HERTM)
Guided Learning Hours	See GLH at Product level
Assessment/Evidence Requirements	Records of assessment referencing all outcomes, must be securely maintained

OUTCOMES	CRITERIA
<p>1 <b>Outcome: Human factors affecting emergency response</b></p> <p><b>The learner will understand:</b></p>	<p>1.1 Human factors during emergency response including:</p> <p>1.1.1 stress affecting decision making</p> <p>1.1.2 physical limitations</p> <p>1.1.3 sources of assistance available during emergency events</p>
<p>2 <b>Outcome: Emergency response hazards, equipment and controls</b></p> <p><b>The learner will understand:</b></p>	<p>2.1 Potential aircraft hazards during the emergency response, to include:</p> <p>2.1.1 fire</p> <p>2.1.2 electrical</p> <p>2.1.3 helicopter composition materials</p>

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	<p>2.1.4 dangerous goods cargo</p> <p>2.1.5 flotation devices</p> <p>2.2 Emergency Response PPE requirements for HERTM</p> <p>2.3 How different helicopter types can affect the emergency response</p> <p>2.4 Emergency response arrangements</p> <p>2.5 Awareness and understanding of back up crew during protracted incident</p> <p>2.6 Relevant equipment and controls - helideck and helicopter</p> <p>2.7 Monitoring of environmental conditions and how they may impact on the emergency response</p>
<p>3 <b>Outcome: Firefighting equipment used in emergency response</b></p> <p><b>The learner will understand:</b></p>	<p>3.1 Breathing apparatus operation and control procedures</p> <p>3.2 Firefighting equipment: guidance on when and where to use various media</p>
<p>4 <b>Outcome: Search and rescue principles involved in emergency response</b></p> <p><b>The learner will understand:</b></p>	<p>4.1 Search and rescue (SAR) principles and techniques – on or close to the helideck, following helicopter incident on helideck</p>
<p>5 <b>Outcome: Carrying out effective emergency response to incidents on or around a Helideck</b></p> <p><b>The learner will perform:</b></p>	<p>5.1 Emergency access and egress to and from helidecks including clear, concise and effective communications with HERTL and team members</p> <p>5.2 Update HERTL on progress against the emergency response plan at appropriate times</p> <p>5.3 Respond appropriately to HERTL direction during emergencies including the correct selection of appropriate fire-fighting equipment for the incident</p>

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	<p>5.4 Under direction from the HERTL: approaching the incident area in a controlled manner – continually assessing how the changes in the emergency could impact on the safety of other ERT members, maintaining a means of escape from the incident area</p> <p>5.5 Effective execution of emergency response tasks</p> <p>5.6 Work with back-up emergency response teams – where required to do so</p> <p>5.7 Appropriate response to non-firefighting operations during helicopter incident</p>
<p><b>6 Outcome: Using firefighting equipment correctly</b></p> <p><b>The learner will perform:</b></p>	<p>6.1 Conduct helicopter incident firefighting operations, to include responding to a helicopter engine fire using a CO2 media extended applicator</p> <p>6.2 Correct donning and use of breathing apparatus (BA) when instructed by HERTL (all delegates to practice donning and using BA)</p> <p>6.3 Effective use of firefighting fixed, portable and mobile systems, including fixed fire monitors, dry chemical and CO2 fire extinguishment and control media</p> <p>6.4 Hose-running techniques and associated hazards</p> <p>6.5 Respond to an NUI helideck fire (with limited firefighting equipment)</p>
<p><b>7 Outcome: Executing search and rescue activities</b></p> <p><b>The learner will perform:</b></p>	<p>7.1 Effective search and rescue (SAR) principles and techniques – on or close to the helideck, locating, extracting and handling missing personnel and casualties following a helicopter incident on the helideck</p> <p>7.2 Correct casualty handling techniques</p>

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## **ABOUT OPITO**

OPITO is the global, not-for-profit, skills body for the energy industry. For over three decades the company has ensured safety is at the forefront of operations, with more than 375,000 people trained every year.

## **Links**

<https://opito.com/>

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