DEME OFFSHORE

Nederwiek 1

Emergency Response Plan Werkplan IJVN

PLAN

IJVN-DO-SHE-PLN-00005

Project Reference

Project Number

2019.00261

Document approval status

Action	Name	Function	Signature	Date
Approved by	BRE	Project Director	[redacted]	24/09/2026
Checked by	ASM	T&I Manager	[redacted]	24/09/2026
Prepared by	LDW	Project HSE Manager	[redacted]	24/09/2026

Document revision status

Rev.	Date	Prep	Check	Appr	Issue purpose
00	26/02/2026	LDW	ASM	BRE	For inclusion into Werkplan
01	24/09/2026	LDW	TASO	BRE	For Inclusion into Werkplan

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1 INTRODUCTION

1.1 Introduction

Prysmian (Employer) and DEME (Contractor) were contracted by TenneT (Client) for the procurement and the installation of the Alpha and Nederwiek 1 (NW1) export cables, which are part of the IJmuiden Ver windfarm project developments.

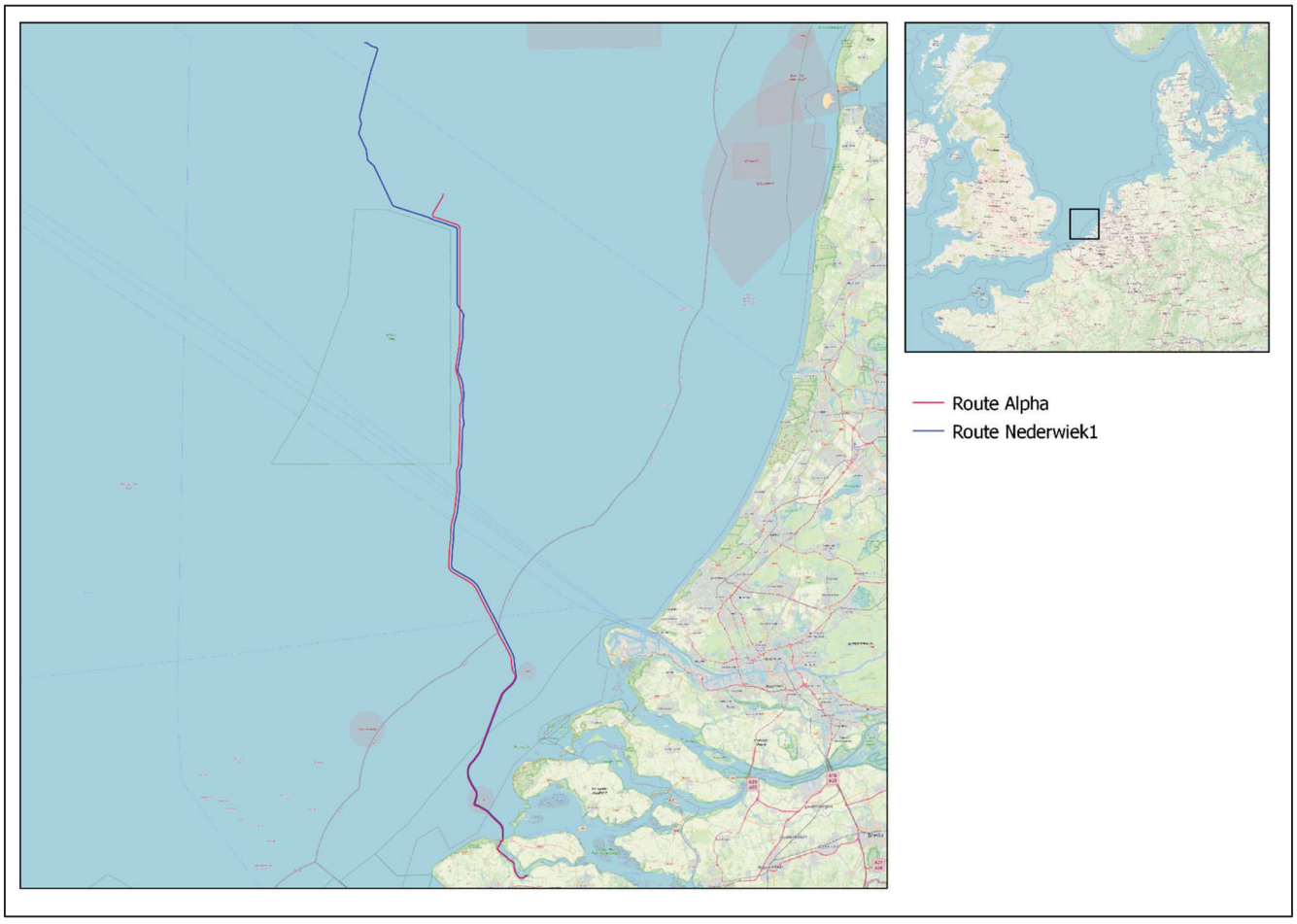


Figure 1-1: Overview of Alpha and NW1 routes, Ijmuiden Ver

The scope for these cables is split in an inshore, nearshore and offshore section. The inshore section, for both the Alpha and NW1 routes, is planned to run through the Veerse Meer lake, introducing several specific constraints and aspects to be considered.

The products to be installed will consist of two DC power cables, a metallic return cable and a fiber optic cable.

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1.2 Purpose and Applicability of Document

ADM_ 13877 Set-up Emergency Response Plan [1]
ADM_ 13932 Submission Emergency Response Plan

The scope of this plan is applicable to all DEME Works carried out under the Contract and the inherent Risks and to be added to the Werkplan to serve as "Calamiteitenplan". This plan covers the Offshore Installation operations that will be performed by DEME within the project.

This plan has been written based on the requirements of *ADM_ 13880*. (Client contract requirements for content in the Emergency response plan reflecting national and international regulations and guidance's)

There is a general duty for Contractor to take appropriate measures with a view to:

- Protecting persons on site.
- Securing effective emergency response.

It is the duty of Contractor that all persons shall be protected by an effective emergency response for credible and foreseeable hazards, man overboard incidents and medevac for occupational incidents. Contractor has vessel and site-specific Emergency Response Instructions and a hierarchy and chain-of-command with appropriate levels of human resourcing and supporting systems, structures and appliances to secure an effective emergency response.

All emergency responses shall be routinely drilled and tested. All persons onboard shall receive training in their roles and responsibilities in such emergency responses. This includes subcontractors, client representatives, visitors and any other 3rd parties. Continuous improvement in the emergency response shall always sought and implemented.

Additionally, the content of this Emergency Response Plan will be aligned with the Employer in a dedicated meeting as stated in *ADM_ 13879 Align Emergency Response Plan*. In that alignment meeting, it will also be determined together with the Employer whether the Emergency Response Plan will be submitted to the Authorities as well, and who will do this (*ADM_ 13878*).

1.2.1 Incidents vs Emergencies

To understand this document, it is important to know the difference between an incident and an emergency:

- An ***incident*** is an unexpected, unplanned, or unwanted event that causes actual or potential injury or illness to an employee/contractor/visitor, damage to equipment or property, the environment or Contractor's reputation.
- An ***Emergency*** is an imminent or actual incident with high-risk consequences to persons, third parties, assets, the environment, or Contractor's business, and where the actions taken during the immediate hours after the incident will directly influence its consequences.

[1] ADM's are referring to requirements that need to be complied with. Further details can be found in chapter 1.6 Requirements Index.

All incidents involving external parties support (public health services for example) are emergencies and are to be dealt with according to the requirements of this document.

1.2.2 Minor Emergency

A minor emergency is one that can be dealt with completely by the project and/or vessel crew on the site. The only external interventions required may include onshore transport of victims and medical assistance from doctor or emergency room. The Master of the vessel or Technical Lead coordinator informs the T&I manager and requests his assistance where required.

1.2.3 Major Emergency

A major emergency is an emergency which requires direct assistance and support from shore, from the nearest port or rescue centre, from emergency services and local agencies. The Kustwacht Nederland, Employer, relevant authorities, emergency services, … will be contacted as described in [6]. Once the emergency services are on site, they take over the coordination. If there is any doubt whether an emergency is minor or major, the worst case will be assumed and followed up. Emergency response may be cancelled when it becomes clear that the situation does not longer require the assistance.

The Kustwacht Nederland may call on other project vessels or organisations for support. These major emergencies will be reported to the Client as described in Appendix 3.

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1.3 Definitions And Abbreviations

Abbreviation	Description
DPA	Designated Person Ashore
GWO	Global Wind Organization
HSE	Health, Safety and Environment
HR	Human Resources
KNRM	Koninklijke Nederlandse Redding Maatschappij
KN	Kustwacht Nederland – Dutch Coastguard
MOC	Marine Operations Center
MEDEVAC	Medical Evacuation
NOK	Next of Kin
QHSE	Quality, Health, Safety and Environment
RMA	Radio Medical Assistance

1.4 Reference Documents

Ref.	Document name	Document title
[1]	IJVA-DO-PMT-PLN-00001	Project Management Plan
[2]	DO-QHSES-MAN-001	HSE Manual
[3]	DEME-QHSES-LFT-001	Explore DEME's Management System
[4]	DO-QHSES-PRO-012	DEME Emergency Response Procedure
[5]	IJVA-DO-SHE-PLN-00001	Project HSE Management Plan
[6]	IJVA-DO-SHE-CHA-00001	Project Emergency Notification Flowchart
[7]	PPL19040-PM-PLN-017-NW	Werkplan Zeekabel Nedewiek 1

1.5 Involved Parties

An overview of the major parties which are involved in the project execution can be found within the Project Management Plan [1].

The following parties are involved:

- **Client:** TenneT
- **Employer**: Prysmian Group
- **Contractor**: DEME

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1.6 Requirements index

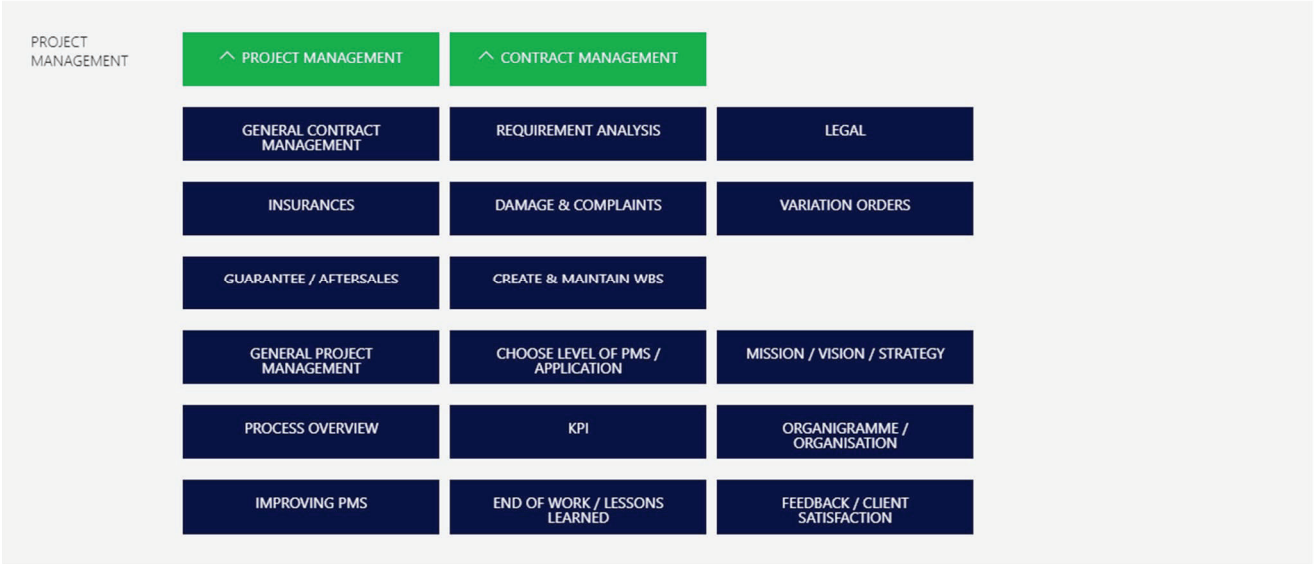
1.2	**Purpose and Applicability of Document**	**ADM_13877 Set-up Emergency Response Plan** ADM_13932 Submission Emergency Response Plan ADM_13880 ADM_13879 ADM_13878
3.1	**Emergency Situations**	ADM_13877
5.	**Chain of Communication**	ADM_13936 Emergency communications
5.1	**Emergency Notification Flowchart**	ADM_P0429 ADM_13934 ADM_13935.
5.2	**Emergency Response Tiered Organisation**	ADM_13933 Upscaling Emergency Response Plan
6.2.1	**Medical Treatment - Offshore**	ADM_13942 13944 Medical Support
6.2.2	**Medical Treatment – Onshore Sites**	ADM_ 13942 ADM_13943
6.6	**Project Specific Drills & Rescue exercises**	ADM_13938 ADM_13939 Drills and exercises
7	**Emergency Response at Onshore Sites**	ADM_13881 Entry Points
8	**Training for Emergencies**	ADM_13937 Emergency Response Teams on site
8.2	**First Aid Training**	ADM_13940 & 13941 First Aid
11.	**Review Of the Emergency Response Plan**	ADM_13882 Update Emergency Response Plan

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2 RELATION WITH OTHER PROJECT PLANS

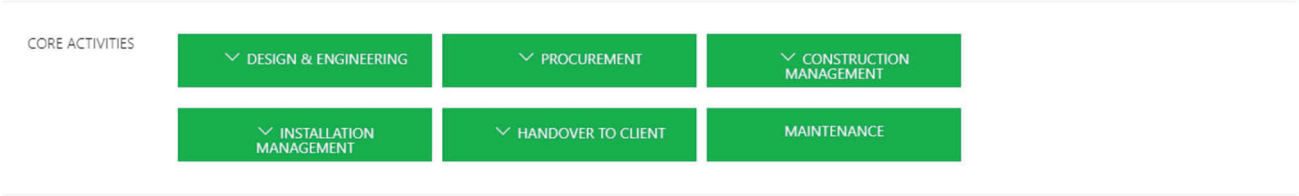
Contractor's management system is based upon 3 main levels. Within each of these levels, subsections can be found containing procedures and/or templates to be implemented on project level.

2.1.1 Level 1 – Project Management



Level 1 contains the sections Project Management and Contract Management. Within these subsections the above guidance and templates can be consulted.

2.1.2 Level 2 – Core Activities



Within level 2 all phases within a project lifecycle are described. Within each block a description of the phase, requirements and supporting documentation has been made available to support the specific project phase.

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2.1.3 Level 3 – Project Services



Level 3 concerns all the corporate supporting services which provide input into the project management system. Each supporting service will deliver a generic description containing expectations and requirements. Furthermore, it will also refer to procedures and templates which are to be implemented on project level.

2.2 Relation to Corporate QHSE Management System

Further details concerning the way the project management system is Integrated in Contractor's corporate management system can be found within Contractor's HSE Manual [2] and Management System Leaflet [3].

2.3 Project Language

All project documentation (except for certain permit documentation, which will be in Dutch as per Tennet's Contract requirements) and communication will be issued in English. On site communication will also be performed in English.

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3 EMERGENCY SITUATIONS AT DEME OFFSHORE SITES

3.1 Emergency Situations

This Emergency Response Plan covers a wide range of emergency situations (Offshore and Onshore). Several known emergency situations are listed below, this list may require updates if newly identified emergency situations require specific and different approaches. In all cases the Emergency Notification Flowchart needs to be followed, and the correct onshore or offshore emergency services needs to be contacted for assistance if needed:

List of the possible emergency scenarios (*ADM_13877*):

- Work at height accident
- Fire and explosion
- Fuel or oil spills (during bunkering)
- Hydraulic injection accident (and related personal injury)
- Black-out and loss of manoeuvrability
- Man overboard
- Collision (at sea)
- Grounding
- Vessel taking on water or sinking
- Heeling or capsizing ship or platform
- Severe accidents with work equipment
- Electrical accident
- Confined space accident
- Transfer accident
- Detection UXO
- Breach of security
- Extremely Adverse weather (e.g. severe storms)
- Severe personal injury
- Severe personal illness
- Helicopter incident

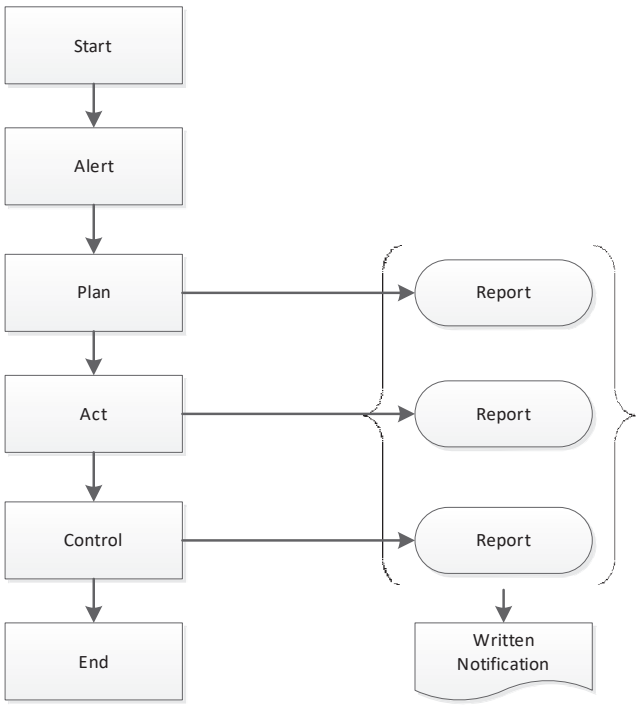
The above list may lead to following scenarios, which in themselves are also regarded as emergency situations:

- Abandon ship
- Evacuation of person(s)

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3.2 Response to Emergencies

A schematic overview of the general response to emergencies can be found in the scheme below:



Alert

Any person discovering an emergency (fire, injured person, etc) shall take the following action:
No matter how small an emergency the first action is to raise the alarm

Describe what kind of alarm(s) is in place and who has to receive the alarm.

Communications should be established with the most suitable Rescue Co-ordination Centre, Kustwacht Nederland, Koninklijke Nederlandse Redding Maatschappij = KNRM or police / ambulance / fire department, and a message passed to them giving the relevant information, this should include the following;

- Name and place;
- Nature of the incident, and any casualties.
- Type of any assistance required.

This message should be updated at regular intervals and upon the ending of the emergency.

Plan

The nature and location of the emergency should be established as quickly as possible, and the Muster of personnel carried out so that any missing person becomes apparent.

From this position the Emergency Response Team (see also §5.2.) can plan how to respond to the emergency knowing;

- What /who / where;
- The extent of the incident;
- The possibilities to approach the incident;
- Selection of methods and appliances to approach the incident.

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Act

Direct after raising the alarm, first aid can be given. But maintain your own safety and do not endanger your own life. If necessary, wait for help.

On board, the on-board emergency response teams will act as a first response. Depending on the situation, this can be:

- Firefighting team / Breathing apparatus team.
- First aid team / stretcher team.
- Support team.
- Etc.

On Beach / Land the responsible person ashore will act as a first response. He will contact external emergency contacts if assistance is needed.
This can be:

- Ambulance
- Doctor (General Practitioner)
- Police
- Fire Brigade

Additionally, the (external) emergency response teams may be involved. Depending on the type of emergency, this can be:

- Kustwacht Nederland.
- Domburgse Reddingsbrigade.
- KNRM.
- Divisie Havenmeester Rotterdam.
- Police department.
- Fire department.
- Ambulance.
- Rijkswaterstaat.
- SODM (Staatstoezicht op de Mijnen).

During this stage reporting is ongoing.

Control

The Emergency Response Team on board must control the situation during and after the emergency.
During this stage reporting is ongoing.
If external resources are involved and victims are evacuated, the project manager informs Contractor's Head Office and the Employer about the situation.

The responsible person (team lead) on the beach must control the situation on the beach landing area, during and after an emergency. If needed, he/she will contact external recourses for assistance

Written notification

When the emergency is under control the Vessel representative will issue a written incident notification form to Contractor HQ. They will inform all necessary 3rd parties such as the Insurance Department, Technical Department.

Report

Describe at each step: who to inform and what to report.

At least the following stakeholders should be informed:

1. The Emergency Services (e.g. Kustwacht Nederland, or KNRM).
2. Contractor Head Office.
3. The Employer

4 RESPONSIBILITIES AND ORGANIZATION

4.1 DEME Offshore Team

4.1.1 Project Director

- He/ she shall oversee the implementation of planning and response to emergencies on the project.
- The project director will request assistance on corporate level from the DEME Offshore QHSE Manager if required.
- He/ she shall inform and liaise with the relevant parties e.g. the Employer and the authorities.
- The Project Director shall approve this plan and other relevant documents and will ensure their implementation.
- He/ she shall ensure that adequate financial and human resources are made available, to implement this plan.
- He/ she shall ensure that all personnel involved in the operation are adequately trained to implement this plan.
- He/ she shall ensure that this plan is distributed to all persons concerned.
- He/ she shall ensure that all subcontractors comply with listed emergency response requirements.

4.1.2 T&I Manager

- He/she acts as the first point of contact within the Project Management Team for all operational matters (including emergencies) and report on such matters to the Project Director
- It is the responsibility of the T&I Manager to coordinate activities with the Technical Lead, Vessel Master(s) and Project QHSE Manager during emergency situations.
- He/she shall coordinate and oversee communications with local emergency groups, i.e., Police, Fire Service, Ambulance Service, Port Authorities regarding evaluation and analysis of any emergency and the implementation of appropriate response.

4.1.3 Technical Lead

- The Technical Lead will assist the Master in the Coordination of Emergency Response for project related emergencies. The Vessel Master will coordinate and always has the final responsibility during all vessel emergency response situations
- He/she shall be familiar with the Emergency Response Plan and relevant Emergency Response procedures.

- The Technical Lead or delegate shall ensure that project related rescue drills are carried out at required intervals or more frequently and that all personnel possess the correct training certificates.
- Together with the QHSE team, the Technical Lead shall:
    - Ensure that project specific drills are carried out at required intervals or more frequently, and that all personnel possess the correct training certificates.
    - Supervise the implementation of this Emergency Response Plan and to ensure that all relevant records are produced and kept.
    - Ensure that Emergency Response information is available on site.
    - Ensure that all incidents and events are reported to the T&I Manager and QHSE team as soon as possible and within a prescribed time (Prior to end of shift or within 24 hours).

4.1.4 Vessel Master

- It is the responsibility of the Vessel Master to Coordinate Emergency Response on board of the Vessel. The Master, in the end accountable for safety and life on-board, is the final decision maker during emergencies on the vessel. The Master will start up the Emergency Notification Flowchart in [6] and coordinate with all external emergency services such as the KNRM, the Kustwacht Nederland, Divisie Havenmeester Rotterdam, the Marine Operations Center of the Client …. This flowchart (and its numbers) will be tested before or at the beginning of the mission.
- The Master with help from the Technical Lead are in charge on site and direct all internal resources and teams. They are the leaders of the Emergency Response Teams consisting of HSE personnel, First Aiders and personnel trained to use fire extinguishers. On board a vessel, the Master has always the final responsibility during an emergency.
- Masters are responsible for coordinating emergency response in accordance with their particular Vessel Operations Manual and in conjunction with the requirements of this Emergency Response Plan, but in particular the Masters are responsible for ensuring that:
    - Safety of their vessels and personnel is maintained.
    - Periodic emergency drills and exercises are performed.
    - The Master will direct and maintain communications during any emergency situation.
    - Weather conditions and weather forecast are monitored regularly.
    - Proper emergency equipment is available and on board the vessel and inspected and maintained.
    - Emergency Response information is available on board the vessel.
    - All incidents and events are reported to the T&I Manager and HSE team within a prescribed time (Prior to end of shift or within 24 hours).

4.1.5 Project QHSE Manager

- It is the responsibility of the Project QHSE Manager to develop emergency response plans and instructions. It is the responsibility of the Project QHSE Manager to ensure the updating, distribution, promotion and implementation of this ERP, and related documents, including the HSE plan and other documents referred to in this ERP.
- The Project QHSE Manager shall assist the Vessel Master, Technical Lead, T&I Manager and in coordination with the Project Director, in liaising with local emergency groups, i.e., Police, Fire Service, Ambulance Service, Port Authorities etc. on evaluation and analysis of the emergencies and the implementation of appropriate responses.

- He/ She shall ensure that personnel are informed and aware of the existing plans instructions.
- He/ She shall ensure that emergency response personnel are adequately trained to deal with an emergency.
- He/ She shall ensure that all drills and exercises are organised and carried out to test the efficiency of the system at the prescribed intervals or more frequently.
- It is his responsibility to provide the Emergency Response Coordinator (Contractor HQ) with necessary information for and during emergency response situations.
- He/ She shall collect and evaluate information related to or arising from emergency drills or actual emergencies. Any recommendations or corrective actions arising from drills shall be incorporated in the ERP as an amendment.
- He/she shall ensure that emergency equipment is inspected and maintained.
- He/she shall periodically review these procedures as required.
- He/she shall report to the Project Team on day-to-day emergency issues and projected requirements and shall ensure - that they are reported within a prescribed time (Prior to end of shift or within 24 hours) to the Employer and Marine Operations Centre.

4.1.6 Everyone on offshore site or on board of vessels

- Be familiar with site or vessel emergency procedures
- Alert the Technical Lead (or his Deputy), Master of the vessel or officer on duty in case of an emergency
- Call emergency services if possible/ relevant
- Follow the instructions of the Technical Lead (or his Deputy), Master or officer on duty
- Provide assistance where possible

4.2 External Assistance

In case of a major emergency, assistance will be requested from external services:

4.2.1 Emergency services

- Onshore services (e.g. Ambulance, Police, Fire Brigade…)
- Marine Rescue Services - Koninklijke Nederlandse Redding Maatschappij (KNRM), Divisie Havenmeester Rotterdam, KN.
- Kustwacht Nederland

Contractor's vessels are ISM vessels and have highly qualified medical personnel in the function of the Master and first mate to provide initial care. Generally speaking, the fastest method of evacuation of a victim is medevac by helicopter (if a helideck is available).

4.2.2 Marine Operations Center

In case of a major emergency, the Client Marine Operation Center (MOC) will be contacted as soon as possible, as described in [6].

5 CHAIN OF COMMAND AND COMMUNICATION

ADM_13936 Emergency communications

Contractor has established appropriate organisation and arrangements that are to have effect in an emergency. These arrangements include:

- Command by competent persons which can be maintained as far as practicable throughout an emergency.
- A sufficient number of persons on site competent to undertake emergency duties and operate relevant equipment.
- Lists of persons for the above to be posted at suitable locations on site/vessel where convenient.
- At least two independent communication channels will be used for Emergency Communications (*ADM_13936*)

5.1 Emergency Notification Flowchart

For each of the project sites (including each vessel) Contractor shall develop a specific Emergency Notification Flowchart (*ADM_P0429*). This flowchart contains the contact details for each relevant party as stipulated in the emergency response Tiers. In addition to the contact details the Emergency Notification Flowchart will provide an overview as to who to contact when (escalation towards external services or corporate support) as per *ADM_13934*.

These Emergency Notification Flowcharts will be frequently tested as per *ADM_13935*.

At a later stage of the Project Preparation Phase, an overview is presented of the available Emergency Notification Flowcharts. See example in Appendix 3

Site/Vessel	Document Reference
TBC	*TBC*

5.2 Emergency Response Tiered Organisation

ADM_13933 Upscaling Emergency Response Plan

Contractor's Emergency Response Organisation is built on the Chain of Command as below (which is also reflected in each site/vessel specific Emergency Notification Flowchart. See example in appendix 3



5.3 Command During Emergencies

Command during emergencies is headed by the most senior responsible manager present (i.e. Vessel Master for vessels or Technical Lead on land) who directs and controls the emergency response using persons who are pre-assigned as being part of an emergency response team.

All persons are required to familiarise themselves with their emergency stations and any duties assigned to them in the event of an emergency. This information is available from the Muster List and/or local evacuation plans, which are posted on various locations throughout the site or vessel.

The vessel responsible manager (i.e. Vessel Master) notifies the relevant emergency response tier as per the Emergency Notification Flowchart. When the situation merits the mustering of personnel, the applicable external emergency services (i.e. coastguard or ambulances) are notified directly with further periodic updates from the responsible manager and Contractor's Corporate Emergency Response liaison.

5.4 Contractor Corporate Emergency Response Management

Contractor has a Corporate Emergency Response Management Team whose function is to coordinate essential back-up services for operational personnel. As far as practicable, the plan is that any serious situation that arises shall be coordinated by the Team. The extent to which outside organisations become involved is determined by the extent of the hazard's realised potential. Details, organisation and tasks of the Corporate Emergency Response Team can be found in Contractor's corporate emergency response procedure [4].

Emphasis is placed on trying to relieve the on-site command of the emergency of as many duties as possible in order to leave them free to concentrate on dealing with the emergency on the location.

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6 SPECIFIC EMERGENCY PROCEDURES

6.1 Vessel Specific Emergency Response Procedures

Contractor has prepared the Emergency Response Instructions to document the organisation and arrangements for dealing with an emergency on the site/vessel.

The instructions indicate the point at which an emergency response procedure should be initiated and gives guidance on the factors to consider in choosing particular courses of action, including the choice of external evacuation, rescue and recovery services in specific circumstances. It is the intention that the instructions are concise, readable, and in a format, which can be used readily in real emergencies, as well as in training, exercises and drills (i.e. checklists).

The instructions shall be exercised and tested with sufficient frequency and depth so that it can be relied upon to work effectively in an emergency, considering the range of different people who may be involved in implementing the instruction, and their training requirements.

Below an overview can be found of the available Emergency Response Instructions for Contractor Owned Vessels which are available on board only.

Emergency Scenario	Document References
Abandon Ship	DO-VMS-PRO 802
Call to passengers	DO-VMS-PRO 803
Fire/ Explosion	DO-VMS-PRO 804 DO-VMS-CL 804
Collision	DO-VMS-PRO 805 DO-VMS-CL 805
Grounding	DO-VMS-PRO 806 DO-VMS-CL 806
Hull damage & Flooding	DO-VMS-PRO 807 DO-VMS-CL 807
DP Failure	DO-VMS-PRO 808
Oil Spill or other pollution at sea	DO-VMS-PRO 809 DO-VMS-CL 809
Man Overboard / Search and Rescue (SAR)	DO-VMS-PRO 810 DO-VMS-CL 810
MEDEVAC (Helicopter Assistance)	DO-VMS-PRO 811 DO-VMS-CL 811
Emergency Assistance to other ships	DO-VMS-PRO 812
Unexpected settlement	DO-VMS-PRO 813
Black outs and loss of manoeuvrability	DO-VMS-PRO 814 DO-VMS-CL 814 A
Steering gear failure	DO-VMS-PRO 815
Towing	DO-VMS-PRO 816
Severe weather	DO-VMS-PRO 817
Death on board	DO-VMS-PRO 818
Emergency contact details	DO-VMS-PRO 819

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6.2 Medical Treatment

6.2.1 Offshore

ADM_13942 – 13944 Medical Support

In cases of illness or injury at sea, recommendations in the International Medical Guide for Ships have to be followed. Details of all treatment and of medicines given on board must be entered in the Medical Logbook.

When the Master considers that a medical condition requires immediate expert advice, he should make direct contact with appropriate shore establishments.

The Master must not hesitate to deviate from the voyage if necessary to receive medical assistance on board or to evacuate a crew member to shore for emergency medical treatment.

Where a crew member is sick or injured, while the vessel is at port and the Master believes that the ship cannot provide proper diagnosis and treatment, he shall refer the crewmember to a doctor ashore. On board of the vessel, a vessel hospital/sick bay is in place.

It is necessary to provide adequate assistance for the vessel crew giving medical assistance and patient in care. This might include transport of the patient to shore or provision of assistance to the Vessel Crew. In all cases where medical support is requested, it is required to go through the RMA (Radio Medical Assistance) this can be requested at the Dutch Coastguard (Kustwacht Nederland). There is no contact with any other doctor than RMA.

DEME Offshores Project Management, the Employer and its Marine Operations Center shall be notified, and confirmation shall be obtained on their follow-up procedure.

To enable Onshore Doctor (from the RMA) to evaluate situation, the following information shall be provided:

- Patient's name, date of birth, home address, employer and profession.
- Nature and extent of injuries.
- Respiration rate.
- Pulse rate.
- Temperature.
- Area and type of pain.
- All possible information about illness, development of symptoms, significant history
- General condition.
- Drugs administered; treatment given.
- Information about drugs and treatment facilities available or administered on board.

Note: as per ADM_13944 the Contractor will evaluate the need of an Offshore Paramedic based on legal requirements and on the outcome of the applicable Risk Assessments.

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6.3 Medical evacuation of an injured person to shore

6.3.1 General

In case of a major emergency at sea, the Kustwacht Nederland will be contacted directly (see emergency notification flow chart [6].) The local emergency services will be contacted in case of an emergency in port.

The following steps will be taken:

Once basic life support is given to the victim and the victim is safe and stabilized, the Kustwacht Nederland will organize a call between the Vessel Master and the RMA doctor, and over the phone will try to evaluate the seriousness of the situation of the victim. At recommendation of the RMA doctor the type of evacuation will be organized (if needed).

If the RMA doctor recommends bringing a victim to shore as quickly as possible, the Kustwacht Nederland, will initiate a medical evacuation to a hospital onshore (with assistance/advice from the Vessel Master). The Kustwacht Nederland, will choose the means of transportation taking into account the location of the victim, the vessel characteristics, the weather conditions, severity of the incident/injuries and medical requirements.

The treatment (care on board, diversion, evasan, evamed) is proposed by the RMA and then decided in coordination between RMA /Kustwacht Nederland and the vessel. In this process, the technical considerations provided by the Master are taken into account.

The contacts of nearest hospitals and general practitioners are available in the emergency notification flow charts in [6]. No direct contact by the vessel will be made with the onshore hospital in the event of an emergency. Only to follow up an existing situation if required.

6.3.2 Specific to vessels with a Helideck

Following options are available for medical evacuation to shore:

- By helicopter (if helideck is available and certified):

The victim will be transferred to the helideck on the vessel and transferred into the helicopter once the heli has landed on the helideck.

- Alternative means – helicopter operations not possible:

If the RMA doctor decides that helicopter operations are not suitable due to for example the injury of the IP/type of emergency, the Dutch Coast guard (Kustwacht Nederland) will decide how to evacuate the IP by means of one of its alternative assets or vessels.

Additionally, depending on the type of emergency and after liaising with the KNRM/Kustwacht Nederland/Divisie Havenmeester Rotterdam, the Master could decide to sail to the nearest port in order to evacuate the victim to the nearest hospital.

- Medical evacuation – when vessel is on route to the offshore field

The Master could decide to sail to the nearest port in order to evacuate the victim to the nearest hospital.

6.3.3 Specific to vessels without a helideck but with a winching area for helicopters

The victim will be carried in a stretcher to the dedicated winching area on board of the vessel, unless a different MEDEVAC method is proposed by the RMA/KNRM/Kustwacht Nederland/Divisie Havenmeester Rotterdam.

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6.3.4 Specific to vessels without a helideck or winching area

In this case, alternative MEDEVAC options will be further evaluated between the Master and the emergency services (e.g. RMA/KNRM/Kustwacht Nederland/Divisie Havenmeester Rotterdam) taking into account the condition of the IP. For example, it could be decided to use the vessels boat landing (if the vessel is equipped with a boat landing), depending on the condition of the IP.

Depending on situation and position, it could also be decided that the vessel will sail to the nearest port in order to evacuate the victim to the nearest hospital. The final decision on the evacuation method is determined by the RMA/KNRM/Kustwacht Nederland/Divisie Havenmeester Rotterdam in cooperation with the Vessel Master.

6.3.5 Takeover of IP onshore

After the Emergency Response Plan and respective Notification Flowcharts have been initiated, a good contact will be maintained with the emergency services onshore, e.g. the ambulance. Practical arrangements will be made in order to ensure a smooth takeover of the IP once the vessel/helicopter reaches the port. Once the RMA is involved in the evacuation, the RMA will take over the MEDEVAC process and takes over the responsibility of the Master.

It has to be noted that the exact decision on how the take over the IP onshore will be done is linked to a number of factors such as the emergency/injury details, the advice of KNRM/Kustwacht Nederland/Divisie Havenmeester Rotterdam.

6.4 Oil spills – Environmental Emergencies

In case of a major environmental spillage or an incident, the emergency notification flowchart is activated, and the Kustwacht Nederland/Divisie Havenmeester Rotterdam are to be contacted through VHF directly. The point of contact if depending on the location of the vessel:

- **Vessel at sea:** Kustwacht Nederland to be contacted in case of an oil spill.
- **Vessel at port:** Divisie Havenmeester Rotterdam to be contacted in case of an oil spill.

Then, the Master informs the Marine Operation Center. Then, the Master sends an e-mail to the Kustwacht Nederland/Divisie Havenmeester Rotterdam and to the Marine Operation Center of the project (or the Employer) to summarize the situation. This e-mail shall contain, as much as possible, the following informations:

- Location of pollution
- Description of the pollution:
    - Substance, could be oil/chemicals/waste/unknown
    - Description of the colour
    - Volume if known
    - Pollution state and extension
- Actions that will be undertaken

These information's are to be updated and resent to the Kustwacht Nederland/Divisie Havenmeester Rotterdam and the Marine Operations Center of the Client as much as necessary considering the evolution of

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the pollution and regarding the actions undertaken. The Kustwacht Nederland/Divisie Havenmeester Rotterdam shall also ask for specific reporting depending on the nature and the importance of the event.

A formal notification will be shared, and the Contractor will submit the investigation report to the Employer.

In case of minor spillages in the water, the Kustwacht Nederland/Divisie Havenmeester Rotterdam do not need to be contacted by VHF, however a copy of the incident notification will be shared with the Employer (via Aconex) and the Kustwacht Nederland/Divisie Havenmeester Rotterdam (via mail).

Contact details Dutch Coast guard

NETHERLANDS COASTGUARD

Telephone (Alarm): 0900 0111 / +31 (0)88 958 4040

Telephone (Operations): +31 (0)88 958 4000

Email: ccc@kustwacht.nl

Website: https://kustwacht.nl/

Radio: VHF Channel 16

DSC: VHF Channel 70 and MF 2187.5 kHz

Call sign: Netherlands Coastguard

Call sign during SAR: Den Helder Rescue

MMSI number: 002442000

6.5 Project/Activity Specific Rescue and Response Plans

During the Project Preparation Phase, Project/Activity Specific Rescue and Response Plans might be developed, such as for example rescue of an Injured Person from the Offshore Substation.

6.6 Project Specific Drills & Rescue exercises

ADM_13938 & 13939 Drills and exercises

The specific rescue/response plans will be exercised on a frequent basis (depending on project duration/crew changes) on board of the vessel as per ISM regulations and in compliance with *ADM_13938*. During these drills & exercises, the project crew will be familiarized with the rescue equipment and procedures. After each drill/ rescue exercise, a report will be drafted including the lessons learned and improvement actions (*ADM_13939*).

For onshore sites, a drill matrix will be set-up. As a minimum, a drill will be conducted at the start of the activities and in case of (major) changes to the scope of activities or the Emergency Response Plan.

7 TRAINING FOR EMERGENCIES

ADM_13937 Emergency Response Teams on site

In order for emergency procedures to be effective, regular training and drills must take place (*ADM_13937*). All personnel must be familiar with the emergency procedures, be competent to fulfil their emergency duties and be prepared to deal with any foreseeable emergency.

Emergency response drills are the responsibility of the location's responsible manager. Emergency drills are as per the location's drill matrix. For vessels these drills can be found in the applicable vessel drill matrix. For onshore sites a dedicated drill matrix will be established as per the Project HSE Management Plan [5].

7.1 Induction and First Time Arrivals

All persons arriving on a location for the first time, including visitors, are instructed in the following:

- The need to be prepared for an emergency.
- How to report an emergency – 6 W's (**w**ho, **w**here, **w**hat, **w**hen, **w**eather and **w**ait for instructions)
- The need to observe strictly the requirements of the Muster Lists/Evacuation Plans, in particular those relating to:
    - Their specific conduct in any emergency.
    - Their Muster station.
    - The general emergency and fire alarm signals calling all personnel to their assigned stations.
    - How the order to evacuate will be given.
- The need to be alert for the sounding of alarm signals and to respond to them in emergencies.
- The location of the lifejackets and immersion suits and the method of properly donning them (only for vessels)
- The location of means of evacuation (i.e. lifeboats, emergency exits, …)
- The need to participate in any drills held during the time they are on location
- Essential fire precautions.

In addition to the information above all persons are provided with the following minimum information in writing:

- Safety instructions;
- Emergency signals;
- Layout of vessel/site;
- Emergency telephone numbers/contacts, including those from emergency response control centers.
- Directions to the locations of emergency equipment.

7.2 First Aid Training

ADM_13940 & 13941 First Aid

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Both crew as staff are obliged to follow First Aid Training. All crew members shall follow an elementary first aid course. Besides this, some crew members will be trained in Medical Care and Medical First Aid. Both courses teach how to adequately act when accidents and illnesses occur when no external medical support is available. Staff are obliged to follow GWO: First Aid or equivalent. The course provides knowledge on what kind of injuries could possibly occur and how to provide first aid in case of an emergency of all types.

In addition to the provided First Aid trainings, a person who has a valid certificate in first-aid training that can be verified by documentary evidence, shall be available at the worksite to render first aid.

8 NEXT OF KIN INFORMATION

For personnel working for Contractor the NOK information will be held by Contractor's HR department. Upon an emergency scenario the DPA, as single point of contact for Contractor's crew or Contractor's QHSE-S Manager will contact the HR department to initiate the NOK process.

For all other parties under the responsibility of Contractor it is expected they assign an equivalent Single Point of Contact within their organisation for the NOK process.

9 EMERGENCY RESPONSE CONTACT LIST

In addition to the site/vessel specific Emergency Notification Flowcharts, which will be developed for each site/vessel, Contractor has established a corporate contact list for the project which can be found in Annex 1 of this document. An example of this contact list is added, before start operations, the latest up to date contact list will be shared with Employer and Client

10 REVIEW OF THE EMERGENCY RESPONSE PLAN

ADM_13882 Update Emergency Response Plan

The Emergency Response Plan will be reviewed by the Project QHSE Manager if relevant changes have occurred (e.g. change in roles and responsibilities, lessons learned after an emergency, comments/feedback from the Employer or Authorities, new Project Phase…).

11 APPENDIX 1: CORPORATE CONTACT LIST

EMERGENCY CONTACT LIST DEME OFFSHORE

Emergency number: +32 3 250 55 5

1 PERSONS TO BE CONTACTED IN THE FOL

	Persons to be contacted	Position	DEME	
1	Thomas De Meulenaer	QHSE DO		69 48
	*Joshua Collier	(dep) QHSE DO		9 08 40 61
2	Florence Van Meenen	DPA DO		470 91 34 24
	*Bart Vanden Eynde	(dep) DPA		+32 476 86 84 61
3	Steven Alen	OPS DC		+32 473 68 05 07
	*Annelies Van Ostaeyen	OPS		+32 473 69 38 70
	*Koen Vanderbeke	C	8	+32 496 57 55 17

*back up person to be contacted

2 EMERGENCY RF XS

Persons to be contacted	t number	Private contact number
Bart De Poorter	8 98 08	+32 9 230 18 97
Hugo Bouvy	0 64 13 01	
Jan Ander	52 13 94 59	
Bert Ba	+32 479 62 03 58	
Kari	+32 499 85 82 96	
W	+32 477 75 30 63	
D	+32 473 69 38 37	+32 9 224 28 81
Nicola	+32 472 42 82 98	+32 472 42 82 98
Kenneth Vannieuwen	NG +32 477 61 91 47	

Example

12 APPENDIX 2: VERIFICATION REGISTER

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#	Specification Code	Specification	Workpackage/object/interface code	Workpackage/object/interface Name	Activity-deliverable Code	Activity-deliverable	Requirement Code	Requirement type	Allocation: PMO/ENG	Requirement title	Text	Applicable Document Number	Applicable Document Title	TenneT - Verification phase	TenneT Verification method	TenneT - Verification plan	TenneT - Verification on Work package code	TenneT - Verification on Work package	DEME Comments	DEME STATUS	DEME Verification Phase Contractor - choose one of prescribed phases	DEME Verification method - Contractor (Choose accepted method)	DEME Verification description - Contractor (describe application of method)	DEME Responsible person and/or Role (in relation and/or unit)	DEME Planned document of proof D (according to MDR	DEME Planned document of proof title (according to MDR)	PPL Planned document of proof	PPL Planned document of proof title (according to MDR)?	Status (Conform, conditional conformity, non-conform)	Document of proof ID (According to MDR)	Document of proof title (According to MDR))	Document Revision (According to MDR)	Reference to document of Proof (Specify location in document of proof & explain status if not 'Conform')	Explanation (Optional, mandatory for conditional conformity or nonconformity)
3577	PMO.01.201-2GW	SHE Requirements (NL)	NL_CA_WP_g2.01	SHE management (NL)	Act_3432	Emergency Preparedness	ADM_13877	ADM	PMO	Set-up Emergency response plan	The Contractor shall, based on an inventory (emergency scenarios identified), set up and implement site emergency response plan(s) and organization(s).			E - Execution	Proposal by Contractor						E1 - Project Setup	Document review	To check if the requirement is satisfied in the planned document and to verify its content	HSE Manager	IJVA-DO-SHE-PLN-00002	Emergency Response Plan			Conform	IJVA-DO-SHE-PLN-00002	Emergency Response Plan		§3.1.	
3578	PMO.01.201-2GW	SHE Requirements (NL)	NL_CA_WP_g2.01	SHE management (NL)	Act_3432	Emergency Preparedness	ADM_13878	ADM	PMO	Align Emergency response plan	The Contractor shall submit the emergency response plan Construction phase to Authorities and align applicability and compliance.			E - Execution	Proposal by Contractor						E1 - Project Setup	Document review	To check if the requirement is satisfied in the planned document and to verify its content	HSE Manager	IJVA-DO-SHE-PLN-00002	Emergency Response Plan			Conform	IJVA-DO-SHE-PLN-00002	Emergency Response Plan		§1.2.	
3579	PMO.01.201-2GW	SHE Requirements (NL)	NL_CA_WP_g2.01	SHE management (NL)	Act_3432	Emergency Preparedness	ADM_13879	ADM	PMO	Invite to alignment Emergency response plan	The Contractor shall give a Notice to the Employer of (a) alignment meeting(s) with the Authority to establish Emergency Response Plan for the Construction Phase of the Works.			E - Execution	Proposal by Contractor						E1 - Project Setup	Document review	To check if the requirement is satisfied in the planned document and to verify its content	HSE Manager	IJVA-DO-SHE-PLN-00002	Emergency Response Plan			Conform	IJVA-DO-SHE-PLN-00002	Emergency Response Plan		§1.2.	
3592	PMO.01.201-2GW	SHE Requirements (NL)	NL_CA_WP_g2.01	SHE management (NL)	Del_2783	Emergency Response Plan	ADM_13880	ADM	PMO	Emergency response plan content	Emergency response plan(s) shall incorporate coordinating everything related to the (SHE) emergency such as: - Procedures to handle the emergency (including reporting to MOC/ link to the Employer´s incident and crisis management); - Procedures to notify all personnel of the emergency; - Define for all people their role and responsibility in emergency response; - Escape of people to predetermined safe areas and evacuation from the Site - A system for mustering to identify missing people; - The designation of a central control area; - Instructions for each department, building, area or asset including the site drawing indicating all relevant equipment and escape routes; - Procedures for drills and exercises to test the emergency response plan(s); - The control of hazardous materials; -A search and rescue plan; - All clear' and re-entry procedures; - Procedure to keep an actual list of people on site at all times; - Essential emergency service contact/ telephone numbers; - Pollution containment; - Offshore weather conditions in relation to rescue operations; - Contingency plans.			E - Execution	Proposal by Contractor						E1 - Project Setup	Document review	To check if the requirement is satisfied in the planned document and to verify its content	HSE Manager	IJVA-DO-SHE-PLN-00002	Emergency Response Plan			Conform	IJVA-DO-SHE-PLN-00002	Emergency Response Plan		Entire Document	ERP drafted
3580	PMO.01.201-2GW	SHE Requirements (NL)	NL_CA_WP_g2.01	SHE management (NL)	Act_3432	Emergency Preparedness	ADM_13881	ADM	PMO	Entry points	The Contractor shall define and agree with external emergency services (e.g. Veiligheidsregio) the entry points for emergency services for Onshore sites and Offshore projects.			E - Execution	Proposal by Contractor						E1 - Project Setup	Document review	To check if the requirement is satisfied in the planned document and to verify its content	HSE Manager	IJVA-DO-SHE-PLN-00002	Emergency Response Plan			Conditional conformity	IJVA-DO-SHE-PLN-00002	Emergency Response Plan		§7	Will be further detailed at a later stage
3581	PMO.01.201-2GW	SHE Requirements (NL)	NL_CA_WP_g2.01	SHE management (NL)	Act_3432	Emergency Preparedness	ADM_13882	ADM	PMO	Update Emergency response plan	The Contractor shall review and update the emergency response plan(s) when necessary (for different project phases according to a defined schedule, after incidents or evaluation of drills and exercises).			E - Execution	Proposal by Contractor						E1 - Project Setup	Document review	To check if the requirement is satisfied in the planned document and to verify its content	HSE Manager	IJVA-DO-SHE-PLN-00002	Emergency Response Plan			Conform	IJVA-DO-SHE-PLN-00002	Emergency Response Plan		§11	
3582	PMO.01.201-2GW	SHE Requirements (NL)	NL_CA_WP_g2.01	SHE management (NL)	Act_3432	Emergency Preparedness	ADM_13932	ADM	PMO	Submission Emergency Response Plan	The Contractor shall prepare, submit and implement, at least 28 days before the commencement of Works at a Site, an Emergency Response Plan to the Employer, Contractor's Personnel and to other parties present on the Site.			E - Execution	Proposal by Contractor						E1 - Project Setup	Document review	To check if the requirement is satisfied in the planned document and to verify its content	HSE Manager	IJVA-DO-SHE-PLN-00002	Emergency Response Plan			Conform	IJVA-DO-SHE-PLN-00002	Emergency Response Plan		Entire Document	ERP drafted
3583	PMO.01.201-2GW	SHE Requirements (NL)	NL_CA_WP_g2.01	SHE management (NL)	Act_3432	Emergency Preparedness	ADM_13933	ADM	PMO	Upscaling Emergency Response Plan	The Contractor shall prepare and implement a crisis management plan for managing crisis that involves crisis organizations of the Contractor and the Employer (upscaling crisis).			E - Execution	Proposal by Contractor						E1 - Project Setup	Document review	To check if the requirement is satisfied in the planned document and to verify its content	HSE Manager	IJVA-DO-SHE-PLN-00002	Emergency Response Plan			Conform	IJVA-DO-SHE-PLN-00002	Emergency Response Plan		§5.2	
3584	PMO.01.201-2GW	SHE Requirements (NL)	NL_CA_WP_g2.01	SHE management (NL)	Act_3432	Emergency Preparedness	ADM_13934	ADM	PMO	Emergency communications	The Contractor shall identify all relevant stakeholders and groups who shall be contacted in the event of an emergency.			E - Execution	Proposal by Contractor						E1 - Project Setup	Document review	To check if the requirement is satisfied in the planned document and to verify its content	HSE Manager	IJVA-DO-SHE-PLN-00002	Emergency Response Plan			Conform	IJVA-DO-SHE-PLN-00002	Emergency Response Plan		§5.1	This is covered in the Emergency Notification Flowchart as described in this section
3585	PMO.01.201-2GW	SHE Requirements (NL)	NL_CA_WP_g2.01	SHE management (NL)	Act_3432	Emergency Preparedness	ADM_13935	ADM	PMO	Emergency communications	The Contractor shall establish and test frequently the communication between all Sites on-and offshore, emergency services, vessels and crew transfer services and onshore emergency response center.			E - Execution	Proposal by Contractor						E1 - Project Setup	Document review	To check if the requirement is satisfied in the planned document and to verify its content	HSE Manager	IJVA-DO-SHE-PLN-00002	Emergency Response Plan			Conform	IJVA-DO-SHE-PLN-00002	Emergency Response Plan		§5.1	
3586	PMO.01.201-2GW	SHE Requirements (NL)	NL_CA_WP_g2.01	SHE management (NL)	Act_3432	Emergency Preparedness	ADM_13936	ADM	PMO	Emergency communications	The Contractor shall establish two independent communication channels for Emergency communications.			E - Execution	Proposal by Contractor						E1 - Project Setup	Document review	To check if the requirement is satisfied in the planned document and to verify its content	HSE Manager	IJVA-DO-SHE-PLN-00002	Emergency Response Plan			Conform	IJVA-DO-SHE-PLN-00002	Emergency Response Plan		§5	
3587	PMO.01.201-2GW	SHE Requirements (NL)	NL_CA_WP_g2.01	SHE management (NL)	Act_3432	Emergency Preparedness	ADM_13937	ADM	PMO	Emergency response teams on site	The Contractor shall define, establish and train emergency response team(s).			E - Execution	Proposal by Contractor						E1 - Project Setup	Document review	To check if the requirement is satisfied in the planned document and to verify its content	HSE Manager	IJVA-DO-SHE-PLN-00002	Emergency Response Plan			Conform	IJVA-DO-SHE-PLN-00002	Emergency Response Plan		§8	
3588	PMO.01.201-2GW	SHE Requirements (NL)	NL_CA_WP_g2.01	SHE management (NL)	Act_3432	Emergency Preparedness	ADM_13938	ADM	PMO	Drills and exercises	The Contractor shall plan and conduct drills and exercises to test the emergency response plan and to train the crew: - Every 14 days; - After changes to the emergency response plan (ERP); - Prior to start of a new phase of the works (must be included in the project time schedule).			E - Execution	Proposal by Contractor						E1 - Project Setup	Document review	To check if the requirement is satisfied in the planned document and to verify its content	HSE Manager	IJVA-DO-SHE-PLN-00002	Emergency Response Plan			Conform	IJVA-DO-SHE-PLN-00002	Emergency Response Plan		§6.7	
3589	PMO.01.201-2GW	SHE Requirements (NL)	NL_CA_WP_g2.01	SHE management (NL)	Act_3432	Emergency Preparedness	ADM_13939	ADM	PMO	Drills and exercises	The Contractor shall ensure that the training covers different scenarios, is documented and evaluated.			E - Execution	Proposal by Contractor						E1 - Project Setup	Document review	To check if the requirement is satisfied in the planned document and to verify its content	HSE Manager	IJVA-DO-SHE-PLN-00002	Emergency Response Plan			Conform	IJVA-DO-SHE-PLN-00002	Emergency Response Plan		§6.7	
3590	PMO.01.201-2GW	SHE Requirements (NL)	NL_CA_WP_g2.01	SHE management (NL)	Act_3432	Emergency Preparedness	ADM_13940	ADM	PMO	First Aid	The Contractor shall identify the minimum number of individuals required to be competent to provide first aid.			E - Execution	Proposal by Contractor						E1 - Project Setup	Document review	To check if the requirement is satisfied in the planned document and to verify its content	HSE Manager	IJVA-DO-SHE-PLN-00002	Emergency Response Plan			Conform	IJVA-DO-SHE-PLN-00002	Emergency Response Plan		§8.2.	

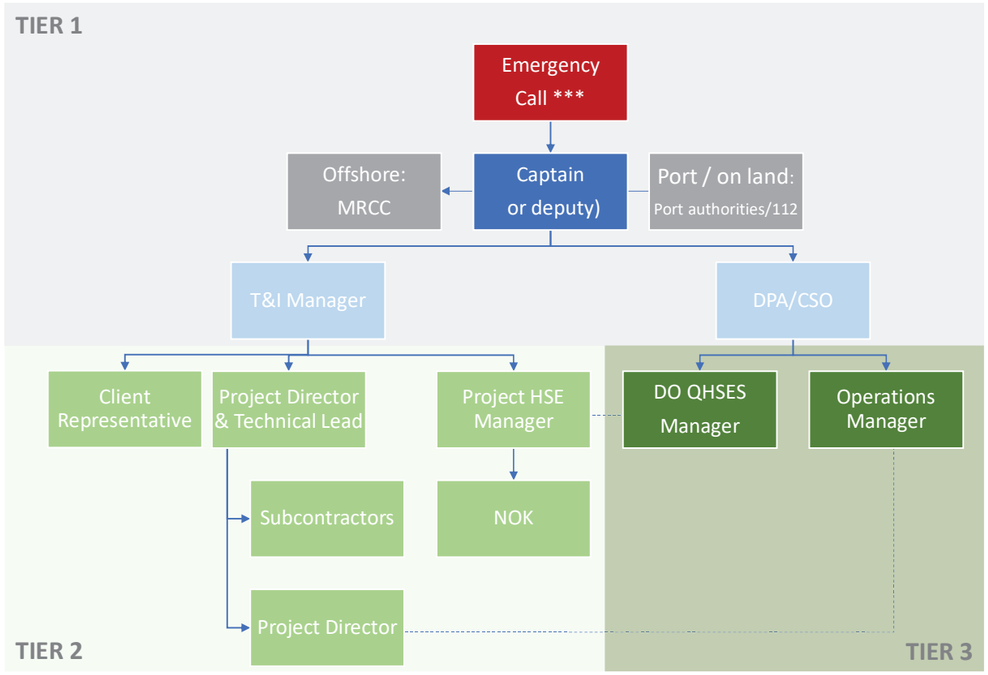
3591	PMO.01.201-2GW	SHE Requirements (NL)	NL_CA_WP_g2.01	SHE management (NL)	Act_3432	Emergency Preparedness	ADM_13941	ADM	PMO	First Aid	The Contractor shall appoint sufficient competent first aiders according to [Applicable document].	PMO.01.201-2GW-A02	Training and medical requirements	E - Execution	Proposal by Contractor			E1 - Project Setup	Document review	To check if the requirement is satisfied in the planned document and to verify its content	HSE Manager	IJVA-DO-SHE-PLN-00002	Emergency Response Plan		Conform	IJVA-DO-SHE-PLN-00002	Emergency Response Plan	§8.2.			
3658	PMO.01.201-2GW	SHE Requirements (NL)	NL_CA_WP_g2.01	SHE management (NL)	Act_3432	Emergency Preparedness	ADM_13942	ADM	PMO	Medical Support	The Contractor shall analyze, with the help of medical specialists, the need for medical equipment and personnel for normal activities, emergencies and external medical support.			E - Execution	Proposal by Contractor			E1 - Project Setup	Document review	To check if the requirement is satisfied in the planned document and to verify its content	HSE Manager	IJVA-DO-SHE-PLN-00002	Emergency Response Plan		Conform	IJVA-DO-SHE-PLN-00002	Emergency Response Plan	§6.2.1 & 6.3.			
3659	PMO.01.201-2GW	SHE Requirements (NL)	NL_CA_WP_g2.01	SHE management (NL)	Act_3432	Emergency Preparedness	ADM_13943	ADM	PMO	Medical Support	The Contractor shall install and maintain all medical equipment and facilities and appoint competent personnel.			E - Execution	Proposal by Contractor			E1 - Project Setup	Document review	To check if the requirement is satisfied in the planned document and to verify its content	HSE Manager	IJVA-DO-SHE-PLN-00002	Emergency Response Plan		Conform	IJVA-DO-SHE-PLN-00002	Emergency Response Plan	§6.3.			
3660	PMO.01.201-2GW	SHE Requirements (NL)	NL_CA_WP_g2.01	SHE management (NL)	Act_3432	Emergency Preparedness	ADM_13944	ADM	PMO	Medical Support	For any Offshore site a paramedic is required based on legal requirements or on the outcome of a risk assessment.			E - Execution	Proposal by Contractor			E1 - Project Setup	Document review	To check if the requirement is satisfied in the planned document and to verify its content	HSE Manager	IJVA-DO-SHE-PLN-00002	Emergency Response Plan		Conform	IJVA-DO-SHE-PLN-00002	Emergency Response Plan	§6.2.1			
3752	PMO.01.201-2GW	SHE Requirements (NL)	NL_CA_WP_g2.01.1	Site SHE management Operations (NL)	Act_3436	Manage SHE at operational level - All sites	ADM_13974	ADM	PMO	Defibrillator (AED)	In addition to Sub-Clause 6.7 the Contractor shall make a defibrillator (AED) available at all work sites within a reasonable distance and staff trained in its use.			E - Execution	Proposal by Contractor			E1 - Project Setup	Document review	To check if the requirement is satisfied in the planned document and to verify its content	HSE Manager	#N/A	Emergency Response Plan		Conform	IJVA-DO-SHE-PLN-00002	Emergency Response Plan	§7			
4361	SPE.06.206-2GW	Stakeholder and Licensing Requirements	WP_g2.16.6.4	Submarine Cable licensing requirements IJV	Act_P004	Installation activities	ADM_P0429	ADM	PMO	Safety & emergency plan	The Contractor shall further elaborate the safety and emergency plan (requirement of the permit) prior to the start of construction and supplemented with the (contact) details of responsible persons during construction. Prior to the start of the operational phase, an updated plan is submitted with the (contact) details for this phase. The plan will be coordinated with the Coast Guard and Harbour Master of the Port of Rotterdam prior to construction and during updates.					ERP		E1 - Project Setup	Document review	To check if the requirement is satisfied in the planned document and to verify its content	HSE Manager	IJVA-DO-SHE-PLN-00002	Emergency Response Plan		Conform	IJVA-DO-SHE-PLN-00002	Emergency Response Plan	§5.1.			

13 APPENDIX 3: EMERGENCY NOTIFICATION FLOWCHART

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Emergency Notification Flowchart

**This Emergency Response Notification Chart provides information as to individual responsibilities in the event of an emergency and to interface between the vessel, Subcontractors and Client in the Emergency Response System. This flowchart shall be made separately for every site/vessel.*



EMERGENCY CONTACT NUMBERS

First line of Communication (Tier 1)

OFFSHORE:
Name **Coast guard / KNRM**
Number: +31 900-0111
Number: +31 (0)88 958 4040
Radio: VHF 16

Pollution at sea:
Name Coast Guard (Oil & HNS)
Number +31 900 0111

Marine coordination:
Name
Number

PORT:
Port Authorities Rotterdam
24/7 Emergency number: +31 (0)10 252 1000

Local Emergency Services:
Police – Fire brigade – Ambulance: **112**

DPA/CSO:
Name
Mobile

T&I Manager:
Name
Number

(Name vessel) bridge:
Number (in case an on-board phone is used) TBC
UHF Ch. * TBC

2nd line of Communication (Tier 2)

Project HSE Manager:
Name: TBC
Mobile: TBC

Technical Lead:
Name TBC
Mobile TBC

Project Director
Name: TBC
Mobile: TBC

Client representative:
Name TBC
Mobile TBC

Subcontractors:
Name: TBC
Mobile: TBC

3rd line of Communication (Tier 3)

DEME EMERGENCY CALL CENTRE First contact: TBC

DO QHSES Manager:
TBC

General/ Operational Management:
Name
Mobile