

# INDUSTRY STANDARD

## NO. 10

### **Rendering First Aid on Mining Installations**

**17 March 2021**

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## Document Control Sheet

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This document will be controlled in accordance with the NOGEP A Industry Standard No. 80 on Standards and Document Control.

## Terms and definitions

Arbowet	Working Conditions Act (Arbeidsomstandighedenwet)
BIG Act	Health Care Professions Act (Wet op de beroepen in de individuele gezondheidszorg)
MEDEVAC	Medical Evacuation
NOGEPA	Netherlands Oil and Gas Exploration and Production Association
OIM	Offshore (mining) Installation Manager
SAR helicopter	Search And Rescue helicopter

## Legal Requirements

Article 15, paragraph 2	Working Conditions Act
	Health Care Professions Act (Wet op de beroepen in de individuele gezondheidszorg)

## Related Standards

Standard 13	MEDEVAC
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## Important Nomenclature used in this Standard

In the context of this Standard and when so used to describe a method or practice:	
'shall'	means that such method or practice reflects a mandatory provision of law (in Dutch: <i>dwingend recht</i> ). Such method or practice is mandatory for those who are the addressees of such provision (mostly the operators). A Standard can describe or quote, but not amend, mandatory provisions. When an operator in exceptional cases for technical, operational or HSE reasons cannot comply, exceptions shall be documented and reported, and risks mitigated. Please note that this does not release the operator from the obligation to comply with the law. *
'should'	means that such method or practice reflects a Good Operating Practice. An operator is generally expected to apply such method or practice, but a specific situation may require a specific alternative. In other words: the operator complies or explains, and documents the explanation. *
'could'	means that such method or practice is of an advisory nature or mentioned by way of example. An operator is not obliged to comply and is not obliged to explain if he does not comply.
* Please refer to paragraph 2.3 of Standard 80 (Standards and Document Control), for further explanation on an exception of a 'shall' provision, or on a comply-or-explain of a 'should' provision.	

## 1. Executive Summary

Adequately organized first aid/medical care is of great importance on a mining installation.

This Standard is applicable on both fixed and mobile mining installations on the Dutch part of the Continental Shelf. Distinction is made between mining installations with more or less than 25 persons on board.

When a mining installation is manned, at least 2 persons must be present with at least either a valid certificate NOGEPA 2.2 'First Aid in case of Offshore Accidents', or a valid certificate NOGEPA 2.11 'Offshore Medic'. If there are more than 25 people on board at least 1 of the 2 persons is an offshore medic.

All medical procedures at the mining installations shall be carried-out under the responsibility, and as far as the offshore medic is concerned, under the supervision of a physician (the back-up physician).

Chapter 3, 4 and 5 give guidance with respect to duties, supervision and expertise of the first aiders and offshore medic. Furthermore, guidance is given with respect to the layout and the equipment of the surgery on a mining installation. Annex I-IV lists medicines, bandages and nursing aids.

Although formally not applicable outside the 12-mile zone, the back-up physicians will act in accordance with the provisions of the BIG Act.

## 2. Scope and application

### 2.1 Scope

Rendering effective first aid at accidents and medical care on a mining installation in accordance with the current legislation.

### 2.2 Application

This Standard is applicable on both fixed and mobile mining installations on the Dutch part of the Continental Shelf. Distinction is made between mining installations with more or less than 25 persons on board. This limit is a matter of choice and takes into account the availability of medical equipment.

This standard is not applicable during special projects, e.g. projects during the decommissioning phase of a mining installation. The necessary medical care provisions during such projects should be based on a prior, dedicated assessment. The assessment could include for example the availability of medical care provisions on the vessels involved in the project, or the possibility to bring first aid kits during short inspection visits to an abandoned installation.

### 2.3 Relevant legislation

At mining installations in the Dutch Exclusive Economic Zone the Working Conditions legislation is applicable. It covers all forms of emergency response (article 15 paragraph 2 of the Working Conditions Act (Arbowet)). This Standard provide further specifications to the Working Conditions legislation concerning the rendering of first aid at mining installations. The Standard indicate the numbers, competences, duties and responsibilities of company first aiders as well as regulations concerning the fitting-out and equipment needed in a first-aid station at a mining installation. Medical care at mining installations located on Dutch territory, including offshore areas within the 12-mile zone, comes under the Individual Health Care Professions Act (known through the Dutch acronym BIG act = Wet BIG for Wet op de beroepen in de Individuele Gezondheidszorg). This Act is not applicable to mining installations located outside the 12-mile zone. In practice however, the back-up physician, who is not present onboard the mining installation, but who is located on Dutch territory, will act in accordance with the provisions of the BIG Act.

The BIG Act stipulates that certain hazardous medical procedures shall, except in emergencies, only be performed professionally by competent health care professionals or nurses instructed by an authorized practitioner, provided that health care professional or nurse is registered in the BIG register (see <https://www.bigregister.nl>).

Emergency response is the responsibility of each individual employer. For practical considerations the employer who is in charge of the mining installation (the operator in the case of a fixed installation) will assume responsibility for organizing the emergency response on the installation. This Standard is also applicable on mobile mining installations. On all



installations, next to the employees of the oil and gas operator or drilling contractor, also employees hired from service companies are present and have the right on the same health care.

### 3. Mining installations

#### 3.1 The back-up physician

All medical procedures at the mining installations shall be carried-out under the responsibility, and as far as the offshore medic (see 4.1.3) is concerned, under the supervision of a properly qualified physician (the back-up physician, available onshore).

#### 3.2 First aiders

On a mining installation, when manned, at least 2 persons are present at all times who hold at least either a valid certificate NOGEP A 2.2 'First Aid in case of Offshore Accidents', or a valid certificate NOGEP A 2.11 'Offshore Medic'.

#### 3.3 Medical advice

1. For every mining installation, arrangements are in place that ensure the continuous access to medical advice by a back-up physician.
2. The mining company ensures that the back-up physician is acquainted with the mining installation and with the medical care applied under his responsibility.
3. Medical advice from the back-up physician is sought at all times, both by the responsible first-aiders and by the offshore medic, in case:
  - a) medicines have to be administered that, in The Netherlands, are only available on prescription;
  - b) a patient's care requires more than a single treatment (e.g. the treatment of burns that require frequent changing of dressings and ointments);
  - c) reserved medical handling needs to be performed (e.g. suturing a wound);
  - d) a patient has to be evacuated to shore for medical reasons.

#### 3.4 Evacuation of sick and injured persons (see also NOGEP A Standard no. 13 MEDEVAC)

Provisions are taken for evacuation of seriously ill or injured persons as quick as possible to a hospital, either, at the discretion of the back-up physician:

1. with the assistance of a regular helicopter, or
2. with the SAR helicopter, coordinated by the Dutch Coast Guard (Nederlands Kustwacht centrum).

Special provisions are taken in case a person carrying a contagious disease needs to be evacuated, either, at the discretion of the back-up physician:

1. with the assistance of a specially staged helicopter, or
2. with the SAR helicopter, coordinated by the Dutch Coast Guard (Nederlands Kustwacht centrum).

## 4. Mining installations with more than 25 people on board

### 4.1 Offshore Medic

#### 4.1.1 Number and training

On the above mining installation at least one of the two persons referred to in article 3.2 (hereinafter to be referred to as the 'offshore medic') shall hold the following qualifications<sup>1</sup>:

1. valid proof of registration in the Dutch BIG register as a nurse;
2. a valid certification of the NOGEPA course 2.11, or a certificate 'offshore medic' issued by a HSE-recognized training institute in the United Kingdom;
3. a valid certificate of the NOGEPA course 2.11, or a certificate 'refresher training offshore medic' issued by a HSE-recognized training institute in the United Kingdom, unless the NOGEPA 2.11 certificate 'offshore medic' has been issued within the previous twelve months.

#### 4.1.2 Priorities of Offshore Medic

The offshore medic may never be hindered from his primary duty of rendering medical aid when required during other engagements.

#### 4.1.3 Supervision Offshore Medic

The supervision of the offshore medic by the back-up physician includes at least the following:

1. assessing whether a candidate offshore medic has a valid proof of registration in the Dutch BIG register as a nurse;
2. assessing whether a candidate offshore medic meets the NOGEPA training requirements. This assessment is based on an interview and on verifying the candidate's original diploma's, certificates and curriculum vitae, and takes place before the candidate takes up his/her duties as offshore medic;
3. verifying whether the offshore medic follows the refresher courses in accordance with the NOGEPA training criteria for offshore medics;
4. verifying whether the offshore medic has entered all medical handling in the register (see 4.2 "Register");
5. working in accordance with the applicable medical procedures.

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<sup>1</sup> Qualification requirements are cumulative

## 4.2 Register

The offshore medic sets up a digital register concerning the medical assistance provided at a mining installation. This register should be protected against unauthorised access by a person related password.

The information contained in the register comes under medical confidentiality and is only accessible to the offshore medic. The register may further be presented to the back-up physician, the operator's medical advisor or the inspector physician of State Supervision of Mines during an inspection visit to the installation.

The offshore medic records patient contacts in the register involving:

- issuing prescription medicines;
- obtaining medical advice from an onshore back-up physician;
- carrying out (reserved) medical procedures;
- employees/patients who have travelled for the installation to shore for medical reasons.

In case an employee travels from a mining installation to shore for further medical treatment, the offshore medic, in consultation with the back-up physician, draw up a report for the physician who takes over treatment. This report includes as a minimum:

- name, address, date of birth employee
- patient complaint, request for assistance, reason
- findings of physical examination
- check-ups treatment initiated and/or medicines administered
- name of back-up physician consulted medical issues raised

## 4.3 Surgery

The surgery at a mining installation with more than 25 persons on board should meet the following requirements:

- the room is sufficiently spacious (floor space no less than 12 m<sup>2</sup>), well lit, ventilated, heated, sound proof (target value 45 dB(A) or less) and easily accessible for stretcher transport
- the room contains at least one freestanding place to sleep and an examination bench, or a combination of both, a lock-up chest for storing medicines and other medical equipment, as well as a lock-up fridge
- there is an emergency lighting system that will operate for at least six hours
- there are functional means of communication for direct telephone contact with a physician onshore. This facility is equipped with a loudspeaker that can be switched off
- in or near the surgery there is a toilet, a washbasin and a shower.

## 4.4 Medicines

#### **4.4.1 Availability, shelf, life and storage obligation**

On a mining installation with more than 25 people on board, the medicines as listed in Annex 3 will be present. The medicines are kept in the surgery, neatly arranged, and ready for use, in a special medicine chest and/or fridge. Medicines are kept under lock, the keys are held by the offshore medic. Spare keys are held by the offshore installation manager (OIM).

The offshore medic is responsible for making sure that the medicines listed in Annex 3 are present at all times.

The medicines are clearly labelled, stating: name and quantity of the substance, administering method, expiry date and possibly warning stickers.

Medicines are replaced before their expiry date.

When ordering medicines because the expiry date is imminent, the delivery time required will be taken into account.

#### **4.4.2 Procedure ordering/receiving medicines**

There will be a set procedure for ordering and receiving medicines. Registration of receipt of medicines is a part of this procedure and is the responsibility of the offshore medic.

#### **4.4.3 Procedure expired medicines**

Expired medicines are disposed of properly. The offshore medic is responsible for this.

#### **4.4.4 Opiates**

Medicines that come under the Opium Act will be kept separately in a locked compartment of the medicine chest. The key to the opiate store is solely kept by the offshore medic. Spare keys are kept by the OIM. On shift hand-over, the person who receives the keys will sign in a register for the keys and the quantity of opiates present.

In the register of the handing over of keys, the offshore medic will also record when opiates are ordered and received, when opiates are used and for which patient, when expired opiates have been sent to shore, and when confirmation of receipt of the expired opiates as signed by the pharmacy, has been received.

#### **4.4.5 Bandages and nursing aids**

On a mining installation with more than 25 people on board, the bandages and nursing aids as listed in Annex 4 will be available at any rate. These bandages and nursing aids are kept in the surgery, neatly arranged and ready for use at all times

The offshore medic is responsible for periodic, timely and proper checks of equipment, such as the defibrillator or oxygen equipment.

The offshore medic is responsible for making sure that the obligatory volume of oxygen is on board and ready for use at all times.

## 5. Mining installations with less than 25 persons on board

### 5.1 Register

The digital register as referred to in section 4.2, will be drawn up and kept up to date by the responsible first aider. This register should be protected against unauthorised access by person related passwords.

The information contained in the register comes under medical confidentiality. Access to the information contained in this register is limited to the first aider. The register may further be presented to the back-up physician, the operator's medical advisor or the inspector physician of State Supervision of Mines during an inspection visit to the installation.

### 5.2 Medicines

#### 5.2.1 Availability, shelf, life and storage obligation

On the subject mining installation, the medicines listed in Annex 1 will be present. The medicines will be kept in a neatly arranged way, and ready for use, in a special medicine chest and/or fridge, the keys to which will be kept by the OIM.

The OIM is responsible for making sure that all the medicines listed in Annex 1 are present at all times.

The medicines will be clearly labelled stating: name and quantity of the substance, administering method, expiry date and possibly warning stickers.

Medicines are replaced before their use-by date.

When ordering medicines because the expiry date is imminent, the delivery time required will be taken into account.

#### 5.2.2 Procedure ordering/receiving medicines

There will be a set procedure for ordering and receiving medicines. Registration of receipt of medicines is a part of this procedure and is the responsibility of the person who orders and receives the medicines for the mining installation.

#### 5.2.3 Procedure expired medicines

Expired medicines are disposed of properly. The person who orders and receives the medicines is responsible for this.

#### 5.2.4 Opiates

Medicines that come under the Opium Act will be kept separately in a locked compartment of the medicine chest. The key to the opiate store is solely kept by the OIM. On shift hand-over,

the person who receives the keys will sign in a register for the keys and the quantity of opiates present.

In the register of the handing over of keys, the mining installation manager will also record when opiates are ordered and received, when opiates are used and for which patient, when expired opiates have been sent to shore, and when confirmation of receipt of the expired opiates as signed by the pharmacy, has been received.

#### **5.2.5 Bandages and nursing aids**

On the subject mining installation, the bandages and nursing aids as listed in Annex 2 will be available at any time. These bandages and nursing aids will be kept in the surgery, neatly arranged and ready for use at all time.

The offshore medic is responsible for periodic, timely and proper checks of equipment, such as the defibrillator or oxygen equipment.

The offshore medic is responsible for making sure that the obligatory volume of oxygen is on board and ready for use at all time.



## Annex I NOGEP A list of medicines at mining installations without offshore medic

Medicines	Dosage/dosage form	Brand (or alternative)	Number
<b>1 Medicines for heart and vascular disease</b>			
1.1 Nitrolingual spray	1 dose = 0,4 mg 200 doses	Nitrospray	1
1.6.1 Acetylsalicylic acid	tablet 80 mg	Aspirine	10
<b>2 Medicines for gastro-intestinal tract</b>			
2.1 Omeprazole	tablet 20 mg	Losec	30
2.3 Lactulose	sachet 12 g	Legendal	30
2.4 Loperamide	capsule 2 mg	Imodium	20
2.5.1 Ondansetron	tablet 8 mg	Zydis	10
2.6.1 Triamcinolone acetonide 0,25 mg / lidocaïne 50 mg ointment	tube 30 gram	Trianal	1
<b>3 Analgesic medicines</b>			
3.1 Paracetamol (acetaminophen)	tablet 500 mg		60
3.3.1 Diclofenac	tablet 50 mg		30
3.3.2 Diclofenac	suppository 100 mg		10
3.5 Morphine	ampoule 10 mg = 1 ml		5
3.11.2 Ibuprofen	tablet 400 mg		20
<b>4 Medicines for the nervous system</b>			
4.1 Oxazepam	tablet 10 mg	Seresta	30
4.5 Cinnarizine	tablet 25 mg		30
4.7.1 Midazolam	nasal spray 2,5 mg/dose bottle 5,3 ml		2

5 Anti-allergic and anti-anaphylactic medicines				
5.1	Desloratadine	tablet 5 mg	Aerius	30
5.2.1	Clemastine	tablet 1 mg	Tavegil	10
5.3	Dexamethasone	ampoule 4 mg = 1 ml	Decadron	6
5.5	Epinefrine (adrenaline)	auto-injector 300 mcg = 0.3 ml	EpiPen/Anapen	1
6 Medicines for the respiratory system				
6.3.1	Noscapine	tablet 15 mg	Noscapect	40
7 Antibiotics				
7.1	Amoxicillin / Clavulanic acid	tablet 500 mg / 125 mg	Augmentin	40
7.6	Azithromycin	tablet 500 mg	Zithromax	6
7.8	Clarithromycin	tablet 500 mg	Klazid	20
10 Medicines for woundcare				
10.4	Tissue glue	bottle	Histoacryl	5
10.5	Povidon-iodine solution	bottle 30 ml	Betadine	1
10.6	Chloorhexidine tincture 0,5%	bottle 30 ml	Sterilon	1
10.7	Sodium carbonate powder	1000 g	Soda	1
11 Medicines for ophthalmic use				
11.5	Oxybuprocaine hydrochloride 0,4% eye drops	minims 0,5 ml		5
11.6	Chlooramphenicol eye ointment 1%	tube 5 g		2
12 Medicines for throat, nose, ear disorders				
12.1	Xylomethazoline nasal spray 0,1%	nasal spray 10 ml	Otrivin	2
12.5	Chlorhexidine mouth wash 0,2%	bottle 200 ml	Corsodyl	1
12.6	Fluticasone Propionate	nasal spray 50 mcg/dose	Flixonase	2
13 Diversen				
13.7	Glycolsalicylaat and methyl nicotinate	tube 60 g	Midalgan-hot	1

## Annex II NOGEP A list of dressing-nursing resources at mining installations without offshore medic

	Equipment-nursing-dressing resource	Brand	Number
<b>14</b>	<b>Resuscitation equipment</b>		
14.1.2	AED (Automated External Defibrillator)		1
14.1.3	Padz voor AED		2
14.12	Brook airway of equivalent		1
14.13.1	Guedel (Mayo tube) no 2		1
14.13.2	Guedel (Mayo tube) no 3		1
14.13.3	Guedel (Mayo tube) no 4		1
<b>15</b>	<b>Dressing and suture</b>		
15.5.2	Hydrophilic non woven 10 x 10cm sterile packing 2 st, box of 25		1
15.8	Ideal bandage 8 cm		2
15.12.2	Burnshield burn cloth 60x40 cm		1
15.14	Triangular cloth		1
15.15	Gloves, none sterile, box 100 pieces, sizes Large, XL		1
15.19.1	Bandages, sterile nr 1 small		2
15.19.2	Bandages, sterile nr 2 middle		2
15.19.3	Bandages, sterile nr 3 large		2
15.22.1	Adhesive plaster, waterproof 5m x 1 1/4 cm		1
15.23	Adhesive plaster, waterproof 5m x 2 1/2 cm		1
15.28	Eye patch		1
15.29	Eye compresses, sterile		10
15.30	Safety pins (stainless steel)		12
<b>16</b>	<b>Instruments</b>		
16.8	Splinter tweezers (stainless steel)		1
16.10	Bandage scissors Lister 18 cm (stainless steel)		1
16.11	Nylon lisje ophthalmological		1
16.13	Clothing scissors		1
<b>17</b>	<b>Material for research and monitoring</b>		
17.4	Fever thermometer		1

<b>18</b>	<b>Material for injection, puncture and catheterization</b>	
18.1.1	Syringes, sterile 2 ml disposable	10
18.2.2	Safety needles 21G, sterile im 40 x 0,8 mm	10
18.11	Sharps container	1
<b>19</b>		
19.7	Rescue blanket, tinfoil	2
19.9	Swabs	100
19.10	Eyewash	1
<b>20</b>	<b>Immobilization material</b>	
20.8	Scoop stretcher	1
20.9	Stretcher (approved type)	1
20.10	Stretcher for use in crane (horizontal and vertical lifting)	e.g. Paramedics Rescue Pac 1
<b>21</b>	<b>Diversen</b>	
21.6.1	First Aid Manual	1

## Annex III NOGEP list of medicines at mining installations with offshore medic

	Medicines	Dosage / dosage form	Brand	Number
<b>1</b>	<b>Medicines for heart and vascular disease</b>			
1.1	Nitrolingual spray	1 dosis = 0,4 mg 200 doses	Nitrospray	1
1.2.1	Epinephrine	ampoule 1 ml = 1 mg		10
1.3	Atropine sulfate	ampoule 1 ml = 1 mg		5
1.4	Furosemide	ampoule 4 ml = 40 mg	Lasix	5
1.5	Adenosine	ampoule 2 ml = 6 mg	Adenocor	6
1.6.1	Acetylsalicylic acid	tablet 80 mg	Aspirine	30
1.6.2	Acetylsalicylic acid	ampoule 500 mg + solvens 5 ml	Aspegic	6
1.6.3	Acetylsalicylic acid	tablet 500 mg	Aspirine	20
1.7	Amiodarone	ampul 150 mg = 3 ml	Cordarone	6
1.8	Heparin	injection liquid 5 ml = 25.000 IE	Heparine Leo	3
1.10	Vitamin K	injection liquid 1 ml = 10 mg	Konakion	2
1.11	Tranexamic acid	injection liquid 5 ml = 500 mg	Cyclocapron	2
1.12	Ticagrelor	tablet 90 mg	Brilique	10
<b>2</b>	<b>Medicines for gastro-intestinal tract</b>			
2.1	Omeprazole	tablet 20 mg	Losec	60
2.3	Lactulose	sachet 12 g	Legendal	30
2.4	Loperamide	capsule 2 mg	Imodium	100
2.5.1	Ondansetron	orodispersible tablet 8 mg	Zofran	20
2.5.3	Ondansetron	injection liquid 4 ml = 8 mg	Zofran	5
2.6.1	Triamcinolone acetonide 0,25 mg/ lidocaïne 50 mg ointment	tube 30 g	Trianal	1
2.7	Sodium lauryl sulfoacetate and sorbitol	enema 5 ml	Microlax	2
<b>3</b>	<b>Analgesic medicines</b>			
3.1	Paracetamol (acetaminophen)	tablet 500 mg		200
3.1.1	Paracetamol (acetaminophen) IV	injection liquid 10mg/ml, bottle 100 ml		5
3.3.1	Diclofenac	tablet 50 mg		90

3.3.2	Diclofenac	suppository 100 mg		10
3.3.3	Diclofenac	ampoule 75 mg = 3 ml	Voltaren	5
3.5	Morphine	ampoule 10 mg = 1 ml		5
3.6	Fentanyl	ampoule 0,1 mg = 2 ml		5
3.6.1	Fentanyl	nasal spray 100 mcg/dose, bottle 1,55 ml		4
3.7	Esketamine	ampoule 25 mg = 5 ml	Ketanest S	5
3.11.2	Ibuprofen	tablet 400 mg		80

## 4 Medicines for the nervous system

4.1	Oxazepam	tablet 10 mg	Seresta	30
4.2	Temazepam	capsule 10 mg	Normison	30
4.5	Cinnarizine	tablet 25 mg		30
4.6	Haloperidol	ampoule 5 mg = 1 ml	Haldol	5
4.7	Midazolam	ampoule 5 mg = 1 ml	Dormicum	5
4.7.1	Midazolam	nasal spray 2,5 mg/dose bottle 5,3 ml		5

## 5 Anti-allergic and anti-anaphylactic medicines

5.1	Desloratadine	tablet 5 mg	Aerius	30
5.2.1	Clemastine	tablet 1 mg	Tavegil	40
5.3	Dexamethasone	ampoule 5 mg = 1 ml	Decadron	5
5.5	Epinephrine (adrenaline)	auto-injector 300 mcg = 0,3 ml	Epipen/ Anapen	1

## 6 Medicines for the respiratory system

6.1.1	Salbutamol	dosisaërosol 100 mcg (per dose)	Ventolin	2
6.1.2	Spacer (for 6.1.1)		Volumatic	2
6.1.3	Salbutamol/ipratropiumbromide	flacon 2,5 ml	Combivent	4
6.2	Fluticasone	dosisaërosol 250 mcg (per dose)	Flixotide Inhaler	2
6.3.1	Noscapine	tablet 15 mg	Noscapect	60
6.4	Hydrocortisone	injection 100 mg/2ml	SoluCortef	2

## 7 Antibiotics

7.1	Amoxicillin / Clavulanic acid	tablet 500 mg / 125 mg	Augmentin	80
7.3	Flucloxacillin	tablet 500 mg	Floxapen	40
7.4	Doxycycline	tablet 100 mg		16
7.5	Co-trimoxazol	tablet 800 / 160 mg	Bactrimel	20
7.6	Azitromycin	tablet 500 mg	Zithromax	6
7.7	Nitrofurantoin	capsule 100 mg	Furadantine	40
7.8	Clarithromycin	tablet 500 mg	Klacid	40

8 Rehydration and plasma exchange				
8.1	Oral rehydration solution	sachets	Care Plus ORS	60
8.2.3	NaCl 0,9%	Prefilled syringes 0,9% NaCl 10 ml		30
8.4	Ringer's lactate	bottle 500 ml		10
8.5	Glucose 5%	bottle 100 ml	For 1.7	2
9 Medicines for skin disorders				
9.2	Hydrocortisone acetate cream 1%	tube 30 g		2
9.3	Fusidic acid cream	tube 30 g	Fucidin	2
9.4	Lanette cream 1 FNA	tube 50 g		2
9.5	Acyclovir cream	tube 3 g	Zovirax	2
9.6	Terbinafine cream 1%	tube 15 g	Lamisil	2
10 Medicines for woundcare				
10.1	Tetanus toxoid 0,5 ml	ampoule 0,5 ml	Tetanus toxoid	4
10.3.1	Lidocaine 2%	bottle 10 ml		5
10.4	Tissue glue	bottle	Dermabond	5
10.5	Povidon-iodine solution	bottle 30 ml	Betadine	2
10.6.1	Hibicet	bottle 10ml	Hibicet	25
10.7	Sodium ointment	1000 g	Soda	1
10.8	Betadine ointment	tube 30 g	Betadine	2
10.9	Silver sulfadiazine cream 1%	tube 50 g	Flammazine	4
11 Medicines for ophthalmic use				
11.2	Fluorescein eye drops	unitdose 2%		20
11.3.1	Celluvisc single use eye drops	dose 0,4ml (10mg/ml)		30
11.5	Oxybuprocaine hydrochloride 0,4% eye drops	minims 0,5 ml		10
11.6	Chloramphenicol eye ointment 1%	tube 5 g		3
12 Medicines for throat, nose, ear disorders				
12.1	Xylomethazoline nasal spray 0,1%	nasal spray 10 ml	Otrivin	10
12.3.1	Acetic acid ear drops with HCA 1%	droplet bottle 10 ml		3
12.4	Dexamethasone/framycetin/ gramicidin ear drops	bottle 10 ml	Sofradex	3
12.5	Chlorhexidine mouth wash 0,2%	bottle 200 ml	Corsodyl	2
12.6	Fluticason Propionate	nasal spray 50 mcg/dose	Flixonase	4
12.7	Aluminiumacetotartaat 1,2%	eardrops, bottle 10 gr	Alucet	2

13 Miscellaneous				
13.1	Glucagon	powder with injection liquid 1 mg + solvens	Glucagen	1
13.2.1	Glucose anhydricum 10%	ampoule 10 ml	Glucose	10
13.5	Chloroxylenol	bottle 1000 ml	Dettol	1
13.6	Ethanol denaturalized 96%	bottle 120 ml	Alcohol	2
13.7	Glycolsalicylaat and methyl nicotinate	tube 60 gram	Midalgan- warm	2
13.8	Naloxone	injection liquid 400 mcg = 1 ml	Narcan	2
13.9	Flumazenil	injection liquid 500 mcg = 5 ml	Anexate	2
13.10	Emergency dental filling	1 pc	Cavit	2



## Annex IV NOGEP A list of dressing-nursing resources at mining installations with offshore medic

	Resuscitation equipment	Brand	Number
<b>14</b>	<b>Resuscitation equipment</b>		
14.1.1	Patient monitor with Defibrillator , capnography and 12-lead ECG recording (incl. diagnose)	e.g. Lifepack 12	1
14.1.2	Defipads for 14.1.1		2
14.1.3	EGC electrodes, set of 10		10
14.1.4	Capnography sensor, disposable		2
14.2	Oxygen pulse oximeter		1
14.3	Resuscitation bag (disposable)	Ambu	2
14.3.1	Demand valve suitable for O2 feed to 14.3		1
14.3.2	Mouth/nose mask for 14.3 size 4		2
14.3.3	Mouth/nose mask for 14.3 size 5		2
14.5.1	Oxygen bottle 2l / 200 bar		2
14.5.2	Oxygen bottle 10l / 200 bar		2
14.5.3	Flow regulator for oxygen, suitable for 14.3.1 and 14.7/14.7.1		1
14.7	Oxygen mask, non rebreather disposable		5
14.7.1	Oxygen Nasal prongs, disposable		5
14.8.1	Larynxscope handle		1
14.8.2	Larynxscope blade size 3 (disposable)		2
14.8.3	Larynxscope blade size 4 (disposable)		2
14.10.1	I-gel O2 Resus Pack (green = size 4)		2
14.10.2	I-gel O2 Resus Pack (orange = size 5)		2
14.11	Mechanical suctionunit airways		1
14.12	Brook airway or equivalent		1
14.13.1	Guedel (Mayo tube) no 2		1
14.13.2	Guedel (Mayo tube) no 3		1
14.13.3	Guedel (Mayo tube) no 4		1
14.15	Emergency kit cricothyrotomie (Quicktrach 4 mm)		1
14.16	Extension tube/swivel connection for respiration use		2
14.17	Bacterial filter for respiration use		2
14.18	Oxygen mask with atomizer for 6.1.3 e.g. Cirrus2 atomize with mouth piece and tube		2
<b>15</b>	<b>Dressing and suture</b>		
15.1	Elastic adhesive bandage 4m x 8cm		5
15.2	Hydrolast swathe 4m x 6cm		20

15.3	Tunnel bandage for fingers role 5m	1	
15.4	Applicator for finger bandage	1	
15.5.1	Gauze, non woven, 5x5cm sterile, pack 25 pc	2	
15.5.2	Gauze, non woven, 10x10cm sterile, pack 25pc	2	
15.5.3	Gauze10x10cm, non sterile, pack of 50	1	
15.7	Vaseline gauze 10x10cm sterile	30	
15.8	Ideal bandage 8cm	5	
15.10	Hydrophilic cotton 25g	4	
15.11	Metalline sterile drape 74x250 cm	5	
15.12.1	Burnshield burn cloth 20x20 cm	2	
15.12.2	Burnshield burn cloth 60x40 cm	2	
15.14	Triangular cloth	5	
15.15	Gloves, non sterile M, L and XL, box 100 pieces, each size	1	
15.16.1	Gloves, sterile M, per pair	10	
15.16.2	Gloves, sterile L, per pair	10	
15.18.1	Plaster bandage, waterproof 1m x 6cm	5	
15.18.2	Plaster bandage, blue for Catering, box	1	
15.19.1	Bandages, sterile nr 1 small	10	
15.19.2	Bandages, sterile nr 2 middle	10	
15.19.3	Bandages, sterile nr 3 large	10	
15.22.1	Adhesive plaster, waterproof 5m x 1 1/4 cm	5	
15.23	Adhesive plaster, waterproof 5m x 2 1/2 cm	5	
15.24	Dovetail patches, sterile	20	
15.25.1	Atraumatic suture ethilon 3-0	5	
15.25.2	Atraumatic suture ethilon 4-0	5	
15.25.3	Suture set (disposable, sterile)	3	
15.27	Synthetic cottonwool 3m x 10cm	2	
15.28	Eye patch	2	
15.29	Eye compresses, sterile	10	
15.30	Safety pins, stainless steel	12	
15.31	Nasal tampon 8 cm	Merocel	4
15.32	Skin stapler with cassette (10 staples no 10) e.g. Leukoclip	1	
15.33	Leukoclip staple remover	1	

## 16 Instruments

16.1	Toolbox for surgical instruments (stainless steel)	1
16.2	Scalpel, sterile, no. 15(disposable)	3
16.2.1	Stitchcutter, disposable	1
16.3	Scissors, surgical (stainless steel or disposable)	3
16.4	Tweezers, anatomical (stainless steel or disposable)	3

16.5	Tweezers, surgical (stainless steel or disposable)	3
16.6	Artery clamp according to Kocher (stainless steel or disposable)	1
16.7	Needle holder Mathieu 17cm (stainless steel or disposable)	1
16.8	Splinter tweezers (stainless steel)	1
16.9	Ring cutting pliers	1
16.10	Bandage scissors Lister 18cm (stainless steel)	1
16.11	Rust ring remover / electric eye brush (Algerbrush II)	1
16.11.1	Burr, 0.5mm for 16.11	3
16.13	Clothing scissors	1
16.14	Magill tongs 20 cm (stainless)	1

## 17 Material for research and monitoring

17.2	Stethoscope	1
17.3	Anaerobic bloodpressure meter (sphygmomanometer)	1
17.4	Fever thermometer	1
17.5	Hypothermie thermometer	1
17.6	Otoscope	1
17.7	Forehead loupe	1
17.8	Penlight eye light	1
17.9	Mobile examination light	1
17.10	Test strips for urine: blood-glucose-protein-nitrite-leucocytes	50
17.11	Pregnancy test	1
17.12.1	Accu-Chek Performa	1
17.12.2	Teststrips for Accu-Chek Performa (box of 50)	1
17.13	CRP-test	3

## 18 Material for injection, puncture and catheterization

18.1.1	Syringes, sterile 2 ml disposable	50
18.1.2	Syringes, sterile 5 ml disposable	50
18.1.3	Syringes, sterile, 1ml, disposable	10
18.2.1	Safety needles 25G, sterile sc 16 x 0,5 mm	50
18.2.2	Safety needles 21G, sterile im 40 x 0,8 mm	50
18.2.3	Atomizer for syringe, sterile (e.g. MAD atomizer)	25
18.3.1	Safety needles Venflon Pro Safety white 17G	10
18.3.2	Safety needles Venflon Pro Safety green 18G	10
18.3.3	Safety needles Venflon Pro Safety pink 20G	10
18.3.4	Intraflon 12G x 80mm	4

18.4	Infusion systems	10
18.5	Tourniquet	1
18.6	Indwelling Urethral Catheter Tieman CH16 (latex free)	2
18.6.1	Urine collection bag (for 18.6)	4
18.7	Instillagel	2
18.8	Stomach tube	2
18.10	Infusion plaster Vecafix	10
18.11	Sharps container	1
18.12.1	Bonedrill EZ-IO (for Intraosseous Vascular Access System)	1
18.12.2	Intraosseous Needle 25mm (blue) for 18.12.1, set with fixation plaster	2
18.12.3	Intraosseous Needle 45mm (yellow) for 18.12.1, set with fixation plaster	2
18.14	Soap dispenser	1
18.15	Large syringe 50 ml with cone	4

19 Nursing articles		
19.1	Bedpan (stainless steel)	1
19.3	Urinal	1
19.4	Pedal bin (stainless steel)	1
19.5.1	Renal pelvis (disposable)	5
19.6	ColdHotpack Maxi 20 x 30cm	3
19.7	Rescue blanket, tinfoil	8
19.8	Tongue depressors, disposable	100
19.9	Swabs	100
19.10	Eye wash	2
20 Immobilization material		
20.1	Deformable splint for fingers/toes 30 cm aluminum	1
20.2	Vacuum splints, set of various sizes	2
20.3	Stiffneck select	1
20.8	Scoop stretcher	1
20.9	Stretcher (approved type)	1
20.10	Stretcher for use in crane (horizontal and vertical lifting)	e.g. Paramedics Rescue Pac 1
20.11	Vacuum mattress incl. adjustable straps with handles for evacuation, vacuum pump and storage bag	e.g. RedVac VM7000X02 1
20.12	Pelvic sling	SAM pelvic sling 1
20.13	Trauma tourniquet	e.g. MAD Responder Tourniquet 1
21 Miscellaneous		
21.1	Crashbag for first aid outside sickbay	1
21.2	Content description Crashbag	1
21.5	Protocols book ambulance assistance	1
21.6.1	First Aid Manual	1
21.7	Daily report format	1
21.8	Transfer form	1