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Health Surveillance for Professional Divers Working in the Offshore Oil and Gas Industry

Follow-up Questionnaire

International Marine Contractors Association

Version 1.1

February 2009

Health Surveillance Questionnaire for Professional Divers

Introduction

This is a yearly, voluntary, follow up questionnaire concerning your health. The information will be filed as a part of your medical file. At any time you can withdraw your consent to participate in this surveillance, in such a case your information will be filed but not used for company purpose – like statistics. The information will only be handled by the company health service and occupational health doctor. The purpose of the questionnaire is to detect early signs of medical problems that are known to be associated with diving. By doing this, preventative measures can be taken and undue illness avoided.

In case of need for individual follow up the occupational health doctor will contact you

Please answer the questions as instructed and otherwise by placing a *cross or number* in the box. If you make a mistake place a single line through the incorrect answer and put a cross or number in the box of the correct answer. Where asked “Yes – number of times” please enter the number of times that you have experienced the problem or issue.

Confidentiality

The information that you provide in this form will be handled in the following manner:

- 1 - Your occupational health service will use the information under strict confidence to provide work related health surveillance. Any other use of your information that includes your personal identification details can only take place with your written permission. Information which identifies you will not be passed on to line management without your permission. You are free at any time to have a copy of your occupational health record.
- 2 - Health surveillance records are a very important source of information. In the future there might be interest for research on the information gathered on long term effects in divers. In such cases a letter will be sent to each diver for consent. No information will be used outside the Occupational Health Service without as specific consent from you. In research cases page two of the questionnaire will be removed so the diver is “un identified”, and only given a company code.

To be entered by Occupational Health Service

Company Code

Coding of the form allows use of the information without your identity details. Coding information is held by your Occupational Health Service and allows you to track your data through any subsequent study of anonymised data. Coding will be filled in by your Occupational Health Service

SECTION 1 PERSONAL DETAILS (please print or use block capitals)

1.1 - Surname _____

1.2 - First names _____

1.3 - Gender Male Female

1.4 - Date of birth (dd/mm/yyyy) / /

Health Surveillance Questionnaire for Professional Divers

To be entered by Occupational Health Service

Company Code

TODAY'S DATE (dd/mm/yyyy) / /

SECTION 2 LIFESTYLE

Your lifestyle has important implications for your overall health and some factors need to be considered in the interpretation of the questionnaire. Please give the details requested.

2.1 - Which of the following best describes your *current* work status?

Self employed working for a single diving company only <input type="checkbox"/>	Self employed working for more than one diving company only <input type="checkbox"/>	Self employed and also working outside the diving industry <input type="checkbox"/>	Salaried diver with a single diving company <input type="checkbox"/>
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2.2 - How much do you currently weigh? kg or st lbs

2.3 - How tall are you? cm or ft ins

2.4 - How old are you? years

2.5 - Have you smoked more than 100 cigarettes IN TOTAL in your life? No Yes

2.5.1 - if yes, complete the following:

<u>Current Smokers</u>		<u>Ex-Smokers</u>	
		In what year did you stop smoking?	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
How many <i>years</i> in total have you smoked?	<input type="text"/> <input type="text"/>	How many <i>years</i> in total did you smoke?	<input type="text"/> <input type="text"/>
How many <i>cigarettes</i> do you smoke per day?	<input type="text"/> <input type="text"/>	How many <i>cigarettes</i> did you smoke per day?	<input type="text"/> <input type="text"/>

2.6 - During the last 12 months, how often have you drunk 8 units or more on any one occasion? (8 UNITS are equivalent to 4 pints of normal strength beer, lager or cider OR 8 small glasses of wine OR 8 shots of spirit)

Never <input type="checkbox"/>	More than 20 times a month <input type="checkbox"/>	10-20 times a month <input type="checkbox"/>	1-9 times a month, <input type="checkbox"/>	If LESS than monthly how many times a year? <input type="text"/> <input type="text"/>
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Health Surveillance Questionnaire for Professional Divers

SECTION 3 OCCUPATIONAL HISTORY

Every occupation has its own particular health implications. It would be helpful, therefore, for your occupational health doctor to have details of your career to date.

3.1 - Present employment

Please describe each job.

If you work as a diver in different sectors, please enter each separately.

Job number	Job description	Industry	Start year	Weeks per year
1				
2				
3				
4				
5				

SECTION 4 DIVING

Details of the diving you do is useful to find whether any health issue is related to the diving that you do. Where asked for number of dives, these can be approximate estimates.

Definitions

Air or Nitrox – dives using nitrogen or oxygen mixtures

Mixed gas – dives using helium and/or hydrogen with any equipment including rebreathers

SCUBA – dives using self contained underwater breathing apparatus using air and/or oxygen

SurDO₂ – dives using surface decompression with oxygen breathing

Surface supplied – dives using surface supplied air or nitrox

Mixed gas bounce – Surface orientated dives using helium/oxygen or helium/nitrogen/oxygen

Saturation – Pressure habitat orientated diving with divers stored at pressure

4.1

When did your LAST professional dive end (mm/yyyy)

		/				
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Health Surveillance Questionnaire for Professional Divers

4.2 - Surface orientated air or nitrox diving since your last questionnaire

Number of Air / Nitrox Dives	
	number of dives
SCUBA	<input type="text"/> <input type="text"/> <input type="text"/>
SurDO ₂	<input type="text"/> <input type="text"/> <input type="text"/>
Surface supplied	<input type="text"/> <input type="text"/> <input type="text"/>

Depth of Air or Nitrox Dives	
Metres of sea water	number of dives
less than 30	<input type="text"/> <input type="text"/> <input type="text"/>
30-50	<input type="text"/> <input type="text"/> <input type="text"/>
More than 50	<input type="text"/> <input type="text"/> <input type="text"/>

4.3 - Surface orientated mixed gas diving since your last questionnaire

Number of Mixed Gas Bounce Dives	
	number of dives
	<input type="text"/> <input type="text"/> <input type="text"/>

Depth of Mixed Gas Bounce Dives	
Metres of sea water	number of dives
less than 80	<input type="text"/> <input type="text"/> <input type="text"/>
80-120	<input type="text"/> <input type="text"/> <input type="text"/>
more than 120	<input type="text"/> <input type="text"/> <input type="text"/>

4.4 - Chamber orientated mixed gas diving since your last questionnaire

How many times have you surfaced from saturation?

Number of Days in Saturation	
Total number of days in saturation	
number of days	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>

Depth of Saturation Dives	
Metres of sea water	number of dives
less than 100	<input type="text"/> <input type="text"/> <input type="text"/>
100-180	<input type="text"/> <input type="text"/> <input type="text"/>
more than 180	<input type="text"/> <input type="text"/> <input type="text"/>

4.5 - What diving sectors have you worked in since your last questionnaire?

Offshore – oil industry Yes <input type="checkbox"/> No <input type="checkbox"/>	Recreational instructor Yes <input type="checkbox"/> No <input type="checkbox"/>
Coastal or inshore – not oil industry Yes <input type="checkbox"/> No <input type="checkbox"/>	Military Yes <input type="checkbox"/> No <input type="checkbox"/>
Shellfish Yes <input type="checkbox"/> No <input type="checkbox"/>	Hyperbaric chamber internal attendant Yes <input type="checkbox"/> No <input type="checkbox"/>
Scientific / archaeological Yes <input type="checkbox"/> No <input type="checkbox"/>	Compressed air work (caissons/tunnelling) Yes <input type="checkbox"/> No <input type="checkbox"/>
Police Yes <input type="checkbox"/> No <input type="checkbox"/>	Media Yes <input type="checkbox"/> No <input type="checkbox"/>

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4.6 – Recreational diving since your last questionnaire

Have you dived recreationally since your last questionnaire? Yes No

If YES complete the rest of section 4.6.

If NO go to section 4.7

4.7 – Recreational surface orientated air or nitrox diving since your last questionnaire

Number of Air / Nitrox Dives	
	number of dives
SCUBA	<input type="text"/> <input type="text"/> <input type="text"/>
Surface supplied	<input type="text"/> <input type="text"/> <input type="text"/>

Depth of Air or Nitrox Dives	
Metres of sea water	number of dives
less than 30	<input type="text"/> <input type="text"/> <input type="text"/>
30-50	<input type="text"/> <input type="text"/> <input type="text"/>
More than 50	<input type="text"/> <input type="text"/> <input type="text"/>

4.8 – Recreational surface orientated mixed gas diving since your last questionnaire

Number of Mixed Gas Bounce Dives	
number of dives	<input type="text"/> <input type="text"/> <input type="text"/>

Depth of Mixed Gas Bounce Dives	
Metres of sea water	number of dives
less than 80	<input type="text"/> <input type="text"/> <input type="text"/>
80-120	<input type="text"/> <input type="text"/> <input type="text"/>
more than 120	<input type="text"/> <input type="text"/> <input type="text"/>

Health Surveillance Questionnaire for Professional Divers

It is important that your occupational health doctor knows whether you have suffered any accidents, illnesses or symptoms relating to your diving

4.9 – Accidents, illness and symptoms related to diving since your last questionnaire

(A symptom is any sensation or change in bodily or mental function)

Have you suffered from any of the following since your last questionnaire?	No	Yes – number of times
1 - Neurological decompression illness?	<input type="checkbox"/>	<input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/>
2 - Cerebral gas embolism?	<input type="checkbox"/>	<input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/>
3 - Pain only decompression illness?	<input type="checkbox"/>	<input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/>
If yes for 1, 2 or 3, was recompression or treatment gas at pressure given?	<input type="checkbox"/>	<input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/>
Underwater explosion	<input type="checkbox"/>	<input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/>
Loss of consciousness while under pressure	<input type="checkbox"/>	<input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/>
Drilling mud skin burn	<input type="checkbox"/>	<input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/>
Contaminated breathing gas	<input type="checkbox"/>	<input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/>
Underwater explosion	<input type="checkbox"/>	<input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/>
Partial drowning	<input type="checkbox"/>	<input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/>
Illness preventing you from working during a saturation dive	<input type="checkbox"/>	<input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/>
Symptoms of any kind during decompression or within six hours after surfacing not identified as decompression illness or cerebral gas embolism?	<input type="checkbox"/>	<input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/>
If yes give details:		

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Diving related bone necrosis can cause arthritis of the hip or shoulder joint causing some of the symptoms in section 4.9.1

4.9.1 At any time

Do you get pain in the groin when walking?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Do you get pain in the hip when walking?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Do you get pain in the knee when walking?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Does one leg feel shorter than the other?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Do you walk with a limp?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Do you get pain in the shoulder with activity?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Do you get stiffness in the shoulder?	Yes <input type="checkbox"/>	No <input type="checkbox"/>

SECTION 5 NOISE

Excess noise is an important and preventable cause of hearing impairment.

5.1 - In any of your current jobs

Is noise intrusive - like a busy street, vacuum cleaner or crowded restaurant - for most of the working day?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Do you work in a noisy industry, e.g. construction, demolition or road repair; woodworking; plastics processing; engineering; textile manufacture; general fabrication; forging, pressing or stamping; paper or board making; canning or bottling; foundries?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Do you have to raise your voice to have a normal conversation when about 2 m apart for at least part of the day?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Does noise hinder the use of a communications system?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Are there noises because of impacts (e.g. hammering, drop forging, pneumatic impact tools etc), explosive sources such as cartridge-operated tools or detonators?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Do you use noisy powered tools or machinery for over half an hour a day?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Do you have muffled hearing at the end of the day, even if it was better by the next morning?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Are you ever been exposed to gunfire or explosions?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
If yes, is this regular exposure to gunfire or explosions?	Yes <input type="checkbox"/>	No <input type="checkbox"/>

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5.2

Which of your jobs, including diving, had any of the levels of noise described in section 5.1 above? (insert job numbers from sections 3.1)			

5.3 - While diving, what location had any of the levels of noise described in section 5.1?

	Never	A little of the time	Some of the time	Most of the time	All of the time
In the water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
In the bell	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
in the welding habitat	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
in the living chambers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Wearing hearing protection can materially reduce the risk of hearing impairment in the workplace

5.4 – Hearing protection

In your noisy jobs (from section 5.2) do you wear hearing protection?		<input type="checkbox"/>
	All of the time	<input type="checkbox"/>
	Most of the time	<input type="checkbox"/>
If no noisy jobs got to section 5.5	Some of the time	<input type="checkbox"/>
	A little of the time	<input type="checkbox"/>
	Never	<input type="checkbox"/>

Certain symptoms may indicate early hearing loss and may indicate that you have an audiogram for further assessment

5.5 – Symptoms of hearing loss and previous hearing problems

Do you have difficulty with your hearing?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Do you have the radio or television on louder than the rest of the family?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Do you have difficulty in deciding where sounds come from?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Do you have difficulty with telephone conversations with either ear?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Do you suffer from wax in the ears?	Yes <input type="checkbox"/>	No <input type="checkbox"/>

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5.6 – Other ear problems since your last questionnaire

Have you suffered from -	dizziness or vertigo?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	pain in the ears?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	running ears?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	abscess in the ear?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	pseudomonas ear infection (pyo)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	any other ear infection?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	ear injury or barotrauma?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	perforated ear drum?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	noises or ringing in the ears?	Yes <input type="checkbox"/>	No <input type="checkbox"/>

SECTION 6 - VIBRATION

6.1

Have you been using hand-held vibrating tools, machines or hand held processes in your job since your last questionnaire?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
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If NO or more than 2 years since your last exposure go to section 7. If YES or less than 2 years since your last exposure continue to section 6.2

Hand Arm Vibration Syndrome

Upper limb exposure to vibration can lead to hand arm vibration syndrome (HAVS) which is also known as vibration white finger. It is a disorder which affects the blood vessels, nerves muscles and joints of the hand, wrist and arms which can become severely disabling if ignored.

HAVS can be avoided by controlling exposure to vibration.

HAVS is reversible if detected early and further exposure to vibration controlled.

Signs to look out for are:

- pain, tingling or numbness in the fingers, hands, wrists and arms;
- in the cold and wet, fingers go white, then blue, then red and are painful;
- you can't feel things with your fingers;
- loss of strength in hands.

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6.2 – Since your last questionnaire have you operated

Hammer action tools

hammer action tools for more than about one hour per day? Yes No

If no, then for more than about 15 minutes per day? Yes No

Rotary or other action tool

rotary or other action tool for more than about four hours per day? Yes No

If no, then for more than about one hour per day Yes No

6.3 - If you have used any hand-held power tools, hand-guided powered equipment or powered machines which process hand held materials since your last questionnaire

In which jobs, including diving, did you operate them (insert job numbers from sections 3.1)			

6.4

Do you have any tingling of the fingers lasting more than 20 minutes after using vibrating equipment? Yes No

Does one or more of your fingers go numb more than 20 minutes after using vibrating equipment? Yes No

Do you have tingling of the fingers at any other time? Yes No

Do you wake at night with pain, tingling, or numbness in your hand or wrist? Yes No

Have any of your fingers gone white on cold exposure? Yes No

(White means a clear discoloration of the fingers with a sharp edge, usually followed by a red flush.)

Have you noticed any change in your response to your tolerance of working in the cold? Yes No

Are you experiencing any other problems in your the hands or arms? Yes No

Do you have difficulty picking up very small objects e.g. screws or buttons or opening tight jars? Yes No

Has anything changed about your health since your last questionnaire? Yes No

If YES please describe:

Health Surveillance Questionnaire for Professional Divers

SECTION 7 SOLVENTS AND CHEMICALS

7.1 – Since your last questionnaire, while diving (in the water, bell, welding habitat or living chambers) have you experienced

	In the water		In the bell		in the welding habitat		in the living chambers	
	No	Yes – number of times	No	Yes – number of times	No	Yes – number of times	No	Yes – number of times
1 petrochemical smell	<input type="checkbox"/>	<input type="text"/> <input type="text"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>
2 hydrogen sulphide smell	<input type="checkbox"/>	<input type="text"/> <input type="text"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>
3 any other smell	<input type="checkbox"/>	<input type="text"/> <input type="text"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>
4 irritation of eyes	<input type="checkbox"/>	<input type="text"/> <input type="text"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>
5 gritty taste in mouth	<input type="checkbox"/>	<input type="text"/> <input type="text"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>
6 lung irritation/cough	<input type="checkbox"/>	<input type="text"/> <input type="text"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>
7 skin irritation	<input type="checkbox"/>	<input type="text"/> <input type="text"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>
8 headache	<input type="checkbox"/>	<input type="text"/> <input type="text"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>
9 nausea	<input type="checkbox"/>	<input type="text"/> <input type="text"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>
10 dizziness	<input type="checkbox"/>	<input type="text"/> <input type="text"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>
11 light-headedness	<input type="checkbox"/>	<input type="text"/> <input type="text"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>
12 loss of consciousness	<input type="checkbox"/>	<input type="text"/> <input type="text"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>

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Skin exposure to solvents or chemicals is a preventable cause of occupational dermatitis. Could you answer the questions below to help your occupational health doctor to assess any problem

7.3 - Have you had any of the following on the skin of your fingers, hands, forearms, toes, feet or legs since your last questionnaire?

redness and swelling	Yes <input type="checkbox"/>	No <input type="checkbox"/>
cracking of skin	Yes <input type="checkbox"/>	No <input type="checkbox"/>
small skin blisters/bubbles/vesicles	Yes <input type="checkbox"/>	No <input type="checkbox"/>
flaking or scaling of skin	Yes <input type="checkbox"/>	No <input type="checkbox"/>
itching with cracks or splits in the skin	Yes <input type="checkbox"/>	No <input type="checkbox"/>
skin infection	Yes <input type="checkbox"/>	No <input type="checkbox"/>
spots, redness or swelling of any other part of the body	Yes <input type="checkbox"/>	No <input type="checkbox"/>

7.4

Do you currently have any of the symptoms mentioned in section 7.3	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Did you suffer any of these problems for more than three weeks	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Did any of these problems occur more than once	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Did you suffer any of these problems with diving	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Did you suffer any of these problems with your other work	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Does your skin improve with time away from work	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Have you taken time of work because of your skin	Yes <input type="checkbox"/>	No <input type="checkbox"/>

7.5 – Drilling mud

	No	Yes			
		number of times			
While working as a diver have you found drilling mud inside your diving suit at the end of a dive or shift since your last questionnaire	<input type="checkbox"/>	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> </table>			

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SECTION 8 WELDING

Welding, especially with materials such as stainless steel, is associated with some health effects. Please answer the questions in this section to allow assessment of your exposure to welding fume and welding accidents.

8.1

Have you worked as a welder since your last questionnaire? Yes No

If NO go to section 9. If YES continue below.

when was the last time you welded? (mm/yyyy) /

8.2 - Since your last questionnaire, what percent of your welding was done in the following work areas?

	Percent	Never
Outdoors?	<input type="text"/> <input type="text"/> <input type="text"/> %	<input type="checkbox"/>
Indoors in a well ventilated area?	<input type="text"/> <input type="text"/> <input type="text"/> %	<input type="checkbox"/>
In a small, poorly ventilated area?	<input type="text"/> <input type="text"/> <input type="text"/> %	<input type="checkbox"/>
In a pressurised welding habitat)?	<input type="text"/> <input type="text"/> <input type="text"/> %	<input type="checkbox"/>
Wet welding – welding in water while diving	<input type="text"/> <input type="text"/> <input type="text"/> %	<input type="checkbox"/>

8.3

	Never	A little of the time	Some of the time	Most of the time	All of the time
After a welding shift					
Do you cough up brown or black sputum?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Do you blow brown or black stuff into your handkerchief from your nose?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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8.4 -since your last questionnaire have you used the following **personal protective breathing equipment while welding?**

	Percent	Never
Simple dust mask	<input type="text"/> <input type="text"/> <input type="text"/> %	<input type="checkbox"/>
Filter respirator (e.g 3M disposable masks)	<input type="text"/> <input type="text"/> <input type="text"/> %	<input type="checkbox"/>
Filter canister respirator (strap-on mask with replaceable filter canister)	<input type="text"/> <input type="text"/> <input type="text"/> %	<input type="checkbox"/>
Atmosphere supply respirator (e.g. Aga mask)	<input type="text"/> <input type="text"/> <input type="text"/> %	<input type="checkbox"/>
Other, please name: _____	<input type="text"/> <input type="text"/> <input type="text"/> %	<input type="checkbox"/>

8.5 -Since your last questionnaire, at work, have you used any of the following techniques

if yes: on how many days have you used the techniques?

Please estimate

	Yes	No	Days
Manual Metal Arc (MMA)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/> <input type="text"/>
Metal Inert Gas (MIG)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/> <input type="text"/>
Tungsten Inert Gas (TIG)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/> <input type="text"/>
Oxyfuel (e.g. oxyacetylene)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/> <input type="text"/>
Flux Cored Arc (FCW)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/> <input type="text"/>
Flame or Arc Metal cutting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/> <input type="text"/>
Other, please name _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/> <input type="text"/>

8.6 - Since your last questionnaire, while working as a welder have you suffered any of the following accidents

	No	Yes – number of times
Major electric shock	<input type="checkbox"/>	<input type="text"/> <input type="text"/>
Burns (including radiation burns)	<input type="checkbox"/>	<input type="text"/> <input type="text"/>
Eye damage (e.g. arc eye, flash, radiation, foreign body)	<input type="checkbox"/>	<input type="text"/> <input type="text"/>
Metal fume fever	<input type="checkbox"/>	<input type="text"/> <input type="text"/>
Ear damage (for example a perforated eardrum)	<input type="checkbox"/>	<input type="text"/> <input type="text"/>

Health Surveillance Questionnaire for Professional Divers

8.7 - While working as a welder or within six months of working as a welder have you suffered any of the following health effects, since your last questionnaire?

	No	Yes – number of times
Cough	<input type="checkbox"/>	<input type="text"/> <input type="text"/>
Tight chest	<input type="checkbox"/>	<input type="text"/> <input type="text"/>
Wheeze	<input type="checkbox"/>	<input type="text"/> <input type="text"/>
Chest infection, bronchitis or pneumonia	<input type="checkbox"/>	<input type="text"/> <input type="text"/>
Chest, jaw or arm pain when walking, climbing stairs or running	<input type="checkbox"/>	<input type="text"/> <input type="text"/>

SECTION 9 FURTHER COMMENTS

9.1 – Previous questionnaires

	No	Yes number of times
Have you filled one of these questionnaires before?	<input type="checkbox"/>	<input type="text"/> <input type="text"/> <input type="text"/>

That completes the questionnaire. Thank you for completing it. If you have any further health concerns that you wish to detail please do so below.

Health Surveillance Questionnaire for Professional Divers

GLOSSARY

arthritis	
inflammation of joints causing pain, disability and joint destruction	9
asthma	
respiratory disorder characterised by wheezing	15
Entrance	
This is the first of a series of health surveillance questionnaires	1
necrosis	
tissue death	9
sputum	
a substance such as saliva, phlegm or mucus coughed up from the respiratory tract	17
Symptoms	
A symptom is any indication of physical or mental abnormality.....	8
units	
1 unit is 8 g or 10 ml of pure alcohol.	3
Wheeze	
a high pitched whistling noise coming from the chest on breathing out	19
wheezy	
making a high pitched whistling noise from the chest when breathing out	15

Questionnaire number

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