Questions for all personnel

1	Age □ □	20 years or younger 41-50 years		21-24 yea 51-60 yea	ırs ırs	<u> </u>				1 31-40 years	
2	Natio	onality									
_		Norwegian 🗆	British		l Ot	her					
3	Edu	cation (Feel free to place	an X in n	nore than o	ne bo	x.)				l la man a a a a mal	am. aab aal (aa
		Apprentice	01		ara tha		☐ Ur	iversity			
		certificate	1.			an one					
4	App	rox. how much of your w	orkina ti	me durina i	the las	t vear l	nave been	spent on No	orwegi	ian Continental S	helf (NCS)
•		orming:	9			ı ,					
				None at	all	1 - 24	per cent	25 - 49 per	cent	50- 74 per cent	75 - 100 per cent
	Offs	hore diving operations		_							
	Othe	er offshore operations									
	in oi	l/gas-related activities or	nshore								
	in ot	her work/education	as 51-60 years 61 years or older If free to place an X in more than one box.) If the to place an X in more than one trade certificate one trade cer								
5	How	much offshore experien	nce do yo	u have?							
		0 - 3 mo.	4 mo.	- 1 year		2	- 5 years				
		6 - 10 years	11 - 19	9 years		20) years or r	more			
6	Whi	ch company are you emp	oloyed in	? Please us	e capi	ital lette	ers.				
7	WI	hat is the name of the ve	ssel (DS\	//LDC) whe	re you	ı are cu	rrently wo	rking?			
	Г										
8	Do y	ou have permanent or te	emporary	employme	nt?						
		Permanent	Day r	ate		□ Te	emporary				
9		Current position on boa	ard:								
		□ Saturation dive	r					Life support	super	visor	
		□ Surface supplie	ed diver				П	ROV operate	or		
								Trov operation			
		☐ Dive technician	1					ROV person	inel		
		□ DP-operator						Diving super	rintend	ent	
		□ Diving supervis	sor					Offshore ma	ınager		
		☐ Life support ted	chnician					Other:			

				+								Norway. Confidential.	-
	□ 0-3 mor	atho.		•			E 10 v	(OOFO					
							5-10						
		s to 1 year					10-19						
	□ 1-2 yeaı						20 ye	ars o	r more				
l	□ 2-5 year	rs											
11	If tempo	rary emplo	yment	or day ı	rate: what was	the dura	tion of	the c	urrent or	previous	con	ntract?	
		1 offshore	period						6 months	s-1 year			
		1-2 month	าร						> 1 year				
		3-5 month	ns										
12	How ma	ny diving o	compan	ies hav	e you worked f	or during	the la	st 12	months	world wid	le?		
42	Uaw ma	Always th			-	voulcod fu	ر بالم مسم			nore comp			
13				-	DC) have you v	vorkea ii	om au					id wide?	
14	□ What is	Always th your curre							Several	DSV/LDC	s		
		6/6 hours							Other ar	rangemen	ts		
		12/12 hou	ırs										
15	What time	at day and	night d	lo you v	vork?								
		-			Permanent								
	□ Perm	anent day s	shift		night shift		Both c	lay ar	nd night		_	Shift arrangements vary	
16	Are you cu	ırrently.											
	Are you co	inchity.				Ye	:S		No				
	Employee r	epresentati	ve?				1						
	Safety dele						1						
	Member of	working en	vironme	nt comn	nittee?)						
17	Have you o				40-hour basic	course f	or safe	ty de	legates/v	vorker rep	orese	entatives and members of	
	☐ Yes		No										
46									•				
18	-	eceived co		aining i	n Norwegian of	TSNOTE H	SE reg	juiati	on?				
	☐ Yes	u	No										

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Questions for divers and dive supervisors

If you are not a diver or dive supervisor, please skip this section and continue to question XX at page XX.

The questions in this section ask about different time periods. "Last period" refers to the period before your latest off-period. "Present period" refers to your current work period.

YOUR JOB AS A DIVER OR DIVE SUPERVISOR

19	Which is your ma	ain work area?						
	Norwegian secto	or 🗆 UK sector 🗅 W	orld wide					
20	During the last	12 months, how many	offshore dive peri	ods (saturati	ion/air) have yo	ou had?		
			SAFETY	EQUIPMEN	IT			
21	Which bailout sys	stem do you prefer?	□ Rebreat	her		l Standard	d bailout	
22	During the last tw	o years, have you ever	had to use the ba	ilout system	1?			
	□ No	□ Yes	☐ Only during	drill or				
23	How do you rega	rd the communication s	ystem between be	ell, diver and	I diver supervis	or?		
	□ Unreliable	☐ Occasional malfunctioning	☐ Acceptable)	☐ Good			Very good
24	Have vou been tr	ained in the use of eme	eraency eauipmen	t in the bell.	basket or habi	tat?		
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			, , , , , , , , , , , , , , , , , , , ,	□ No			Yes
			PERCEPTION	OF RISK:				
25		your perception of ris	sk connected to t	he element	s listed below	. Place an X	(in one b	ox for each
	situation.		Very slight					Very great
_			hazard (1)	(2)	(3)	(4)	(5)	hazard (6)
Gas								
	an errors during di							
	nanical breakdown							
•	, 5	s, bell handling, hot						
wate	•	ont (including bail						
out)	onal diving equipm	lent (including ball		Ц	ш			
,	peration with other	team members						
	ation of the installa							
		ing on (e.g., water	_	_	_	_		_
	outled, crane lifting							
	c inside structure	,,						
Work	on hydrocarbon s	ystems						
	nded umbilical	•						
Bell I	ocated over struct	ure						
DSV	lifting operations (Crane or lift bags)						
	ıltanious operation							
		sea state, currents						
visibi	ility)							
Work	within habitat							
Fatig	jue							
Auto	mated control syst	ems failures during						
divin	g operations							

SAFETY RE	ELATED BEHA					
	Ve	ery seldom	Rather	Some-	Rather	Very often or
26 During the last diving operation on NCS:	•	or never	seldom	times	often	always
Do you experience hazardous situations during operations?	diving					
Do you worry about safety during diving operati	ions?					
Do you work with divers that you are not relying	on?					
Do you work with support personnel that you arrelying on?	e not					
Did you find it hard to follow all operational procedures?						
Did you have to follow procedures you feel sho done differently?	uld be					
Did it happen that formal procedures were not followed?						
Did you experience time pressure during diving operations?						
Did you start dives even if you were not sure if equipment was checked?	diving					
Did you check if the divers were in good shape dives?	before					
Did you ask divers to break safety						
regulations/procedures in order to get things do						
Did you ask the divers whether they need a bre during the dive?	eak					
	GENERAL	WORK FACT	ORS			
27 What is your opinion on the following issues related to	Very preferable	Somew prefera		different	Somewhat not preferable	Not preferable at all
working in Norway:						
Use of NORSOK			1			
saturation/decompression tables?						
Length of saturation periods?						
Mandatory break in bell?						
In water time?		_	1			П
Long term follow up of divers health?						
Length of stay on board?						
Umbilical length?			I			
SAF	ETY RELATE	D BEHAVIOR	IN DIVING			
	Very rare	ely or (Quite	Some-	Quite	Very
28 During your last diving period in	neve	er r	arely	times	often	often or
Norway:						always
Were you confident in your own capability to handle unforeseeable emergency situations						
Did you feel in good shape for your last dive						

	periods (physical/psychological/illness)?								
	Did you report deviations from planned								
	procedures?					_		_	
	Did time pressure make it hard to follow								
	operational procedures?								
	Were the operational procedures relevant f	or						Ц	
	your specific task?								
	Did it happen that procedures were not followed?		ш		ш	Ш	Ц	ш	
	Did you dive even if dive equipment was no	nt .							
	checked according to procedures?	λ.	_		_	_		_	
	Did you dive even if not all parts of your								
	diving equipment were in proper condition?		_		_	_	_	_	
	Have you asked for a break if you feel								
	fatigue or do not feel well during a dive?								
	Were you worried about your own safety								
	during diving?								
	Before diving: Did you consider task								
	briefings to be adequate?								
	Did you work with divers or diving personne	el							
	that you regarded incompetent?								
	Did you work with supervisors or support								
	personnel that you regarded incompetent?								
	During a dive period, did you ask for medic	al							
	assessment if you were unwell?								
	Did you ask to be excused from diving if no well?	t							
	Did you break safety procedures in order to)							
	get things done?								
	Have you declined an offshore dive period not feeling well?	if							
		PH	IYSICAL	DEMAN	DS				
29	How physically demanding did you find	your job	during t	the last d	ive perio	d in Norway:			
				Very dema	little anding		Somewhat demanding		Very demanding
	regard to overall physical work load, how der ircle the answer)?	nanding i	s your	1		2	3	4	5
30	EXPOSURE TO CONTAMIN Contamination includes eg. oil spill, drill			_	luced wa	iter			
	pollution from pipes etc.:			-					
		Very	Quite	Some-	Quite	Very			
		rarely	rarely	times	often	often			
	Dunde or Albert	or				or			
	During dives:	never				always			
	Are you exposed to high levels of								
	chemicals and pollution when working at the sea bed?	-		-	-				

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Have you experienced your suit being contaminated?			
Is cleaning of the suit/umbilical/equipment given			
priority?			
Have you been exposed to welding fumes?			
Are you informed of potential harmful effects of chemicals and pollution?			

Questions for all personnel

Below are some statements of importance to health, working environment and safety (HSE). Some statements only apply to working environment or safety. Based on your experiences from your workplace, indicate to what degree you agree with the various statements by placing an X in one box for each statement. If you find a statement irrelevant, leave the box unchecked

	Fully agree	Partially agree	Neither agree nor disagree	Partially disagree	Fully disagree
Risk-filled operations are always carefully planned before they are begun	-	_	-	0	
At times, I am pressured to work in ways that threaten safety					
My lack of knowledge of new technology may sometimes increase accident risk	-	_		0	_
There is enough manning to properly safeguard HSE					
I have the necessary competence to perform my job in a safe manner					
I am thoroughly familiar with the operation procedures					
The management takes input from the safety delegates seriously					
I feel uncomfortable pointing out breaches of safety rules and procedures		_			_
The work permit (WP) system is always adhered to				_	

'			Neither		
	Fully agree	Partially agree	agree nor disagree	Partially disagree	Fully disagree
I can influence HSE matters at my workplace	-				
I sometimes breach safety rules in order to get a job quickly done	0				
In practice, work progress takes priority over HSE					
Information about undesirable incidents is used efficiently to prevent recurrences					
Being too preoccupied with HSE can be a disadvantage to your					_
career					
Communication between me and my colleagues often fail in a way that may lead to dangerous situations					
The HSE laws and regulations are not good enough	_	_	_	_	
I would rather not discuss HSE with my immediate supervisor					
Deficient maintenance has caused poorer safety	_				
I stop work if I believe that it may be dangerous for me or others to continue					
My manager appreciates me pointing out matters of importance to HSE	_	_	_		_
I have been given adequate safety training	u		<u> </u>	u	u
Thave been given adequate safety training					
I have been given adequate training of work environment factors (e.g. chemicals, noise, ergonomics)	0				
My colleagues will stop me if I work unsafely					
I doubt that I will be able to perform my emergency preparedness	_		_	_	
tasks in case of an emergency					
There are often simultaneous work operations which lead to dangerous situations	0				
The emergency preparedness is good	_				
Reports about accidents or dangerous situations are often "moderated"					
I ask my colleagues to stop work which I believe is performed in an unsafe manner	_	_	_	_	_
The company I work for takes HSE seriously	J	J	J	J	J
THE Company I work for takes FIGE schodsly					

	Fully agree	Partially agree	Neither agree nor disagree	Partially disagree	Fully disagree
Lack of cooperation between oil company and contractors often lead to dangerous situations					
I report any dangerous situations I see	_	_		_	_
Safety is my number one priority when I work					
My supervisor is committed to the HSE work on the vessel					
It is easy to tell the nurse/company health service about complaints					
and illnesses that might be work-related					
My colleagues are very committed to HSE I am unsure about my role in the emergency preparedness				0	
organisation					
The safety delegates do a good job					
I think it is easy to find what I need in the governing documents (requirements and procedures)					
The operation procedures cover my work tasks					
There are different procedures and routines for the same matters on different facilities and this poses a threat to the safety					
I feel sufficiently rested when I am at work	_	_	_	_	_
The equipment I need to carry out my work safely is easily available					_
I have easy access to procedures and instructions concerning my work					
I feel peer pressure which affects HSE assessments				0	
I have access to the information necessary to make decisions which ensure the HSE aspect				0	
Dangerous situations arise because everyone does not speak the same language				0	
I experience a pressure not to report personal injuries or other incidents which may "mess up the statistics"					
I know which chemicals I may be exposed to				_	
I have been informed of the risks of the chemicals I work with					
I have been informed of the risks associated with noise					
There have been dangerous situations because people have been under the influence of alcohol or drugs at work					
under the influence of alcohol or drugs at work					

PERCEIVED RISK

Below is a list of some hazard and accident situations which may occur. Please state how much of a hazard you feel the different situations constitute to you. Place an X in one box for each situation:Mark with an "X"

	Very slight hazard (1)	(2)	(3)	(4)	(5)	Very great hazard (6)
Helicopter accident						
DP failure						
Fire						
Explosion						
Contamination /emissions/discharge/ of toxic gases/substances/chemicals	٥					
Radioactive sources						
Collisions with ships/vessels/floating objects						
Sabotage/acts of terror						
Loss of the vessels stability or loss of buoyancy						
Serious work accidents				_		
Falling objects						
Control systems failure						

33 Indicate how satisfied or dissatisfied you are:

Mark with an "X"

	Very satisfied	Satisfied	Neither satisfied nor dissatisfied	Dissatisfied	Very dissatisfied
Quality of food and drink					
Cabin conditions					
Chamber conditions					
Exercise opportunities					
Other recreational opportunities					

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situation. Indicate your experience of the various issues by ticking one box for each question. If you find a question irrelevant, leave the box unchecked. Mark with an "X"	Very rarely or never	Quite rarely	– Sometimes	Quite often	Very often or always
Mark With all A					
Are you exposed to noise levels so high that you have to stand close to people and shout to be heard, or have to use headsets?			_		
Are you exposed to vibrations to your hands or arms from machines or tools?					
Do you work in cold areas exposed to the weather?					
Do you work under poor indoor conditions?					
Do you experience difficulties seeing what you are doing due to insufficient, weak or blinding lighting?					
Is your skin exposed to e.g. oil, drilling mud, detergents or other chemicals?					
Do you do heavy manual lifting?					
Is your work static sitting with little possibility of variation?					
Do you find the shift arrangement a strain?					
Do you work so much overtime that it is a strain?					
	_	_	_	_	_
Do you get sufficient rest/recreation between shifts?			0		
Do you get sufficient rest/recreation between work periods (at home)?					
Is your workplace well adapted to the work tasks you perform?					
Does your work require so much attention that you find it a strain?					
Is your work challenging in a positive way?				_	

	Very rarely or never	Quite rarely	Sometimes	Quite often	Very often or always
Can you set your own work speed?					
Can you influence decisions, which are important to your work?					
Can you influence the way you perform your work?					
Do your colleagues help and support you in your work, if you nee it?		_			_
Does your immediate supervisor help and support you in your work, if you need it?		_	_	_	_
Do you feel that the cooperation climate in your work unit is encouraging and supportive?					
Do you have so many tasks that it becomes hard to concentrate on each one?					
Does your immediate supervisor give you feedback on your work					
performance?					
Do you have the necessary access to IT-/computer systems?					
Do you get necessary training in the use of new control systems'	?				
Do the control systems you use provide the necessary support in the performance of your work tasks?					
Do you feel sure that you will have a job as good as the one	you have now ir	n two years'	time?		
☐ Very sure ☐ Quite sure ☐ Somewhat s	ure 🛭 Qui	te unsure	□ Very	y unsure	
Over the last six months, have you been subjected to repeat Yes No No If yes, by whom? Feel free to place an X in more that	an one box.			-	
☐ Colleagues ☐ Supervisor(s) ☐ S	ubordinates	☐ Othei	s at the vesse	el .	
Indicate how often the various statements apply to you by m Very of the various statements apply to you by m Very of all the various statements apply to you by m Very of the various statements apply to you by m Very of the various statements apply to you by m Very of the various statements apply to you by m Very of the various statements apply to you by m Very of the various statements apply to you by m Very of the various statements apply to you by m Very of the various statements apply to you by m Very of the various statements apply to you by m Very of the various statements apply to you by m Very of the various statements apply to you by m Very of the various statements apply to you by m Very of the various statements apply to you by m Very of the various statements apply to you be a statement apply to you be a	often Quite off	per stateme en Sometir	Quite	e Ve	ry rarely r never
I sleep well when offshore	1 0				
I sleep well the last few nights before going offshore		_			
I sleep well the first few nights after an offshore tour	ı 🗅				
I have a problem with noise when sleeping offshore	ı _	_			
I must share cabins with others when I sleep	ı 🗆		+ -		
How many hours	Hours		ı		
were you awake before going on your first shift?					
overtime did you work on your last tour on the NCS?					

	Trends in R	isk Level	in Norweg	ian Petrolei	um Activity - (Offshore Divi	ng Person	nel 2017 (m Safety / way. Con	
40	How many	/ days did	you spend	offshore or	n your last tou	r on the NCS	?				
41	Have you □ Yes	worked mo	ore than 16 No	hours duri	ng the course	of a 24-hour p	period one	or more ti	mes during	the last ye	ar?
42	During yo □ Yes	ur last offs	shore tour, No	were you w	oken up in you	ur off shift to	do a work	task?			
43	Do you no	ormally hav	ve one or m No	nore additio	nal jobs when	you are onsh	ore betwee	en offshor	e tours?		
HEA	LTH										
44	How woul	d you gen	erally desc	ribe your he	alth?						
	☐ Very	good	☐ Good	d 🗆 N	leither good noi	r poor 🔲	Poor	□ Very	poor		
45	Have you □ No	been abse	ent from wo Yes, 1-14		you have been Ye	n ill during the	-	?			
46	The next to questi		should only	/ be answer	ed if you answ	ered "yes" to	the last qu	uestion. If	you answer	ed "no", p	roceed
	47		liovo that v	our last sial							
		Do you bel □ Yes		No	k leave period	was fully or p	artly cause	ed by your	work situat	tion?	
48		□ Yes		No	k leave period					tion?	
48	Have you ☐ Yes	Yes been injur	ed in a wor	No rk accident v	·	ssel offshore	during the	last year?	,	tion?	
48	Have you Yes 49	yes been injure If yes, was Yes If so: How Firs	ed in a wor No the injury	No rk accident vertical reported to No jury classifie	while at the ve	ssel offshore	during the ompany he	last year?	ce?	ernative wo	
48	Have you Yes 49	Yes been injure If yes, was Yes If so: How Los	ed in a wor No the injury	No rk accident vertical reported to No jury classifie	while at the ve your supervise ed?	ssel offshore or or nurse/ c	during the ompany he atment time injury	last year?	ce?	ernative wo	
	Have you Yes 49	Yes been injure If yes, was Yes If so: How Los	ed in a wor No the injury	No rk accident vertical reported to No jury classifie	while at the ve your supervise ed?	ssel offshore or or nurse/ c	during the ompany he	last year?	ce?	ernative wo	
	Have you Yes 49 50 Working o	been injurded by the second of	ed in a wor No the injury was the injury st aid st time injury	No rk accident vereported to No liury classifie	while at the ve your supervise ed?	ssel offshore or or nurse/ c Medical tre Serious los	during the ompany he atment time injury	last year?	ce? Alte	ernative wo it for diving Quite	Very
	Have you Yes 49 50 Working of the demands a How do you demand a How do you de	been injuri	ed in a wor No the injury was the injury st aid st time injury	No rk accident vertical reported to No jury classified rork capacity rork capacity	while at the ve	ssel offshore or or nurse/ c Medical tre Serious los	during the ompany he atment time injury	last year?	ce? Alte Unf	ernative wo it for diving Quite poor	Very poor

52 Over the last three months, have you been troubled by any of the following:

Cros. and last amos monais, mare you been are	asiou sy airy		.9.		Mark ("X") here if
	Not troubled	A little troubled	Quite troubled	Very troubled	you feel that your symptoms are fully or partially caused by your work situation
Reduced hearing					
Ringing in the ears/ tinnitus					٥
Other ear problems					٥
Feeling exhausted					٥
Vertigo					
Nausea					
Feeling unwell					٥
Anxiety					
Itching					
Tingling or numbness					
Teeth problems					
Joint discomfort					
Headache					
Neck/shoulder/arm pain					
Back pain					
Knee/hip pain					
Eye problems					
Skin complaints (eczema, rash)					
White fingers					
Allergic reactions/hypersensitivity					
Stomach/bowel problems					
Respiratory problems					
Cardiovascular problems					
Psychological problems (anxiety, depression, sadness, unease)					٥

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We have now asked all our questions. If you have opinions or comments to the topics raised in this form or in you answers, you can write them here. Please use capital letters.												in your						
								_	_					 		<u> </u>		
		-	-															
			-					-	-	-				 	-			
	<u> </u>	<u>.</u>	-				-				-			 	_			
-	-	-	-				-	-	-		-				_			
	-		-	-	-	-					-	-	-		-	-	-	<u>_</u>
																-		
-								_	-	_					-	-	_	