

NUI International Diving Seminar 2021

Revision of NORSOK U100 & U101

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U-Underwater Operation

If you have comments on existing NORSOK standards, please use [the comment form](#). Please note that standards are subject to review **at least every five years**.

NORSOK Standards

U-100	Manned underwater operations (Edition 5, December 2015, corrected version 2016-05-09)
U-100N	Bemannede undervannsooperasjoner (Utgave 5, desember 2015)
U-101	Diving respiratory equipment (ed. 2, January 2013)
U-103	Petroleum related manned underwater operations inshore (2019)
U.103N	Petroleumsrelaterte bemannede undervannsooperasjoner inshore (2019)
U-102	Remotely operated vehicle (ROV) services (2020)

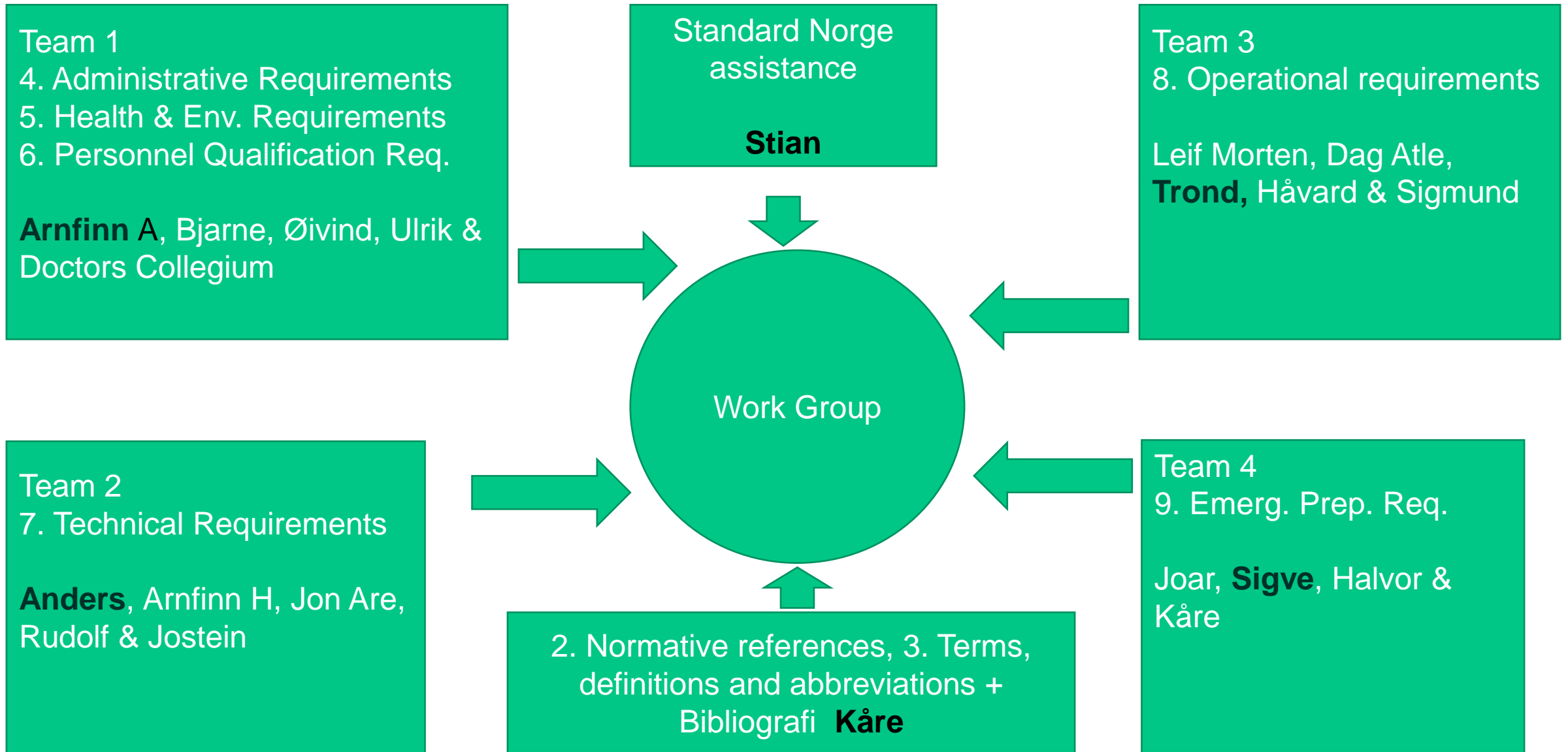


C - Architect	R - Mechanical
D - Drilling	S - Safety (SHE)
E - Electrical	T - Telecommunication
G - Geotechnology	U - Subsea
H - HVAC	UB - Underwater operation
I - Instrumentation	WF - well fluids
I - Metering	Y - Pipelines
I - System Control Diagram (SCD)	Z - E&I Installation
J - Marine operation	Z - MC and preservation
L - Piping and layout	Z - Reliability engineering and technology
M - Material	Z - Risk analyses
N- Structural	Z - Standard cost coding
O - Operation	Z - Technical Information
P - Process	Z - Temporary Equipment
R - Lifting equipment	

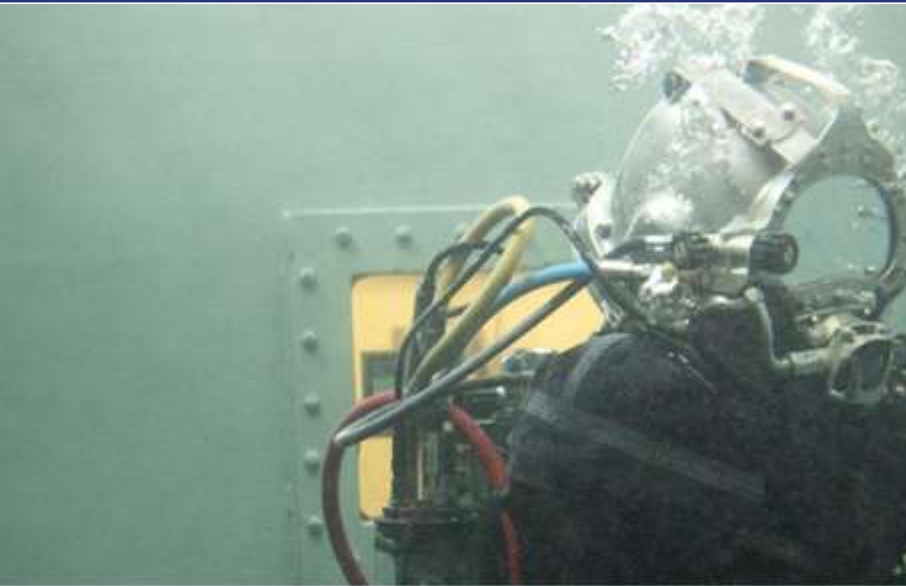
Status U100 Revision



Working process for the NORSOK U-100 revision



STAMI – The National Institute of Occupational Health in Norway



Diver Education

● ● ● **HELSE BERGEN**
● Haukeland universitetssjukehus

[Norwegian](#) > [English](#) > [Departments](#) > [Occupational Medicine](#) > [Norwegian centre for maritime medicine](#)

Norwegian Centre for Maritime and Diving Medicine

The Norwegian Centre for Maritime Medicine and Diving Medicine is the national centre of excellence in maritime and diving medicine. It is part of the Department of Occupational Medicine within Helse Bergen. The aim of the Department is to promote the health and welfare of seafarers and divers.



Evolution of the U-101

- Origin:
 - Common Dept. of Energy (UK-DoE)/
 - Norwegian Dept. Energy (NPD) Guideline
- First edition: 1999
- Revision: 2010-2013

Product information:

This NORSOK standard applies to design and testing of BA for use in MUO down to a maximal depth as specified by the manufacturer and limited to 400 msw.

This NORSOK standard may be applied for testing and assessment of any BA intended for use in MUO.

NOTE This NORSOK standard does not apply to BA intended for use only within the scope of one of the European Standards (EN) mentioned in Introduction.

NORSOK
Standard

NORSOK U-101:2013

Published: 2013-01-23
Language: English

Diving respiration equipment

Pusteutstyr for dykking

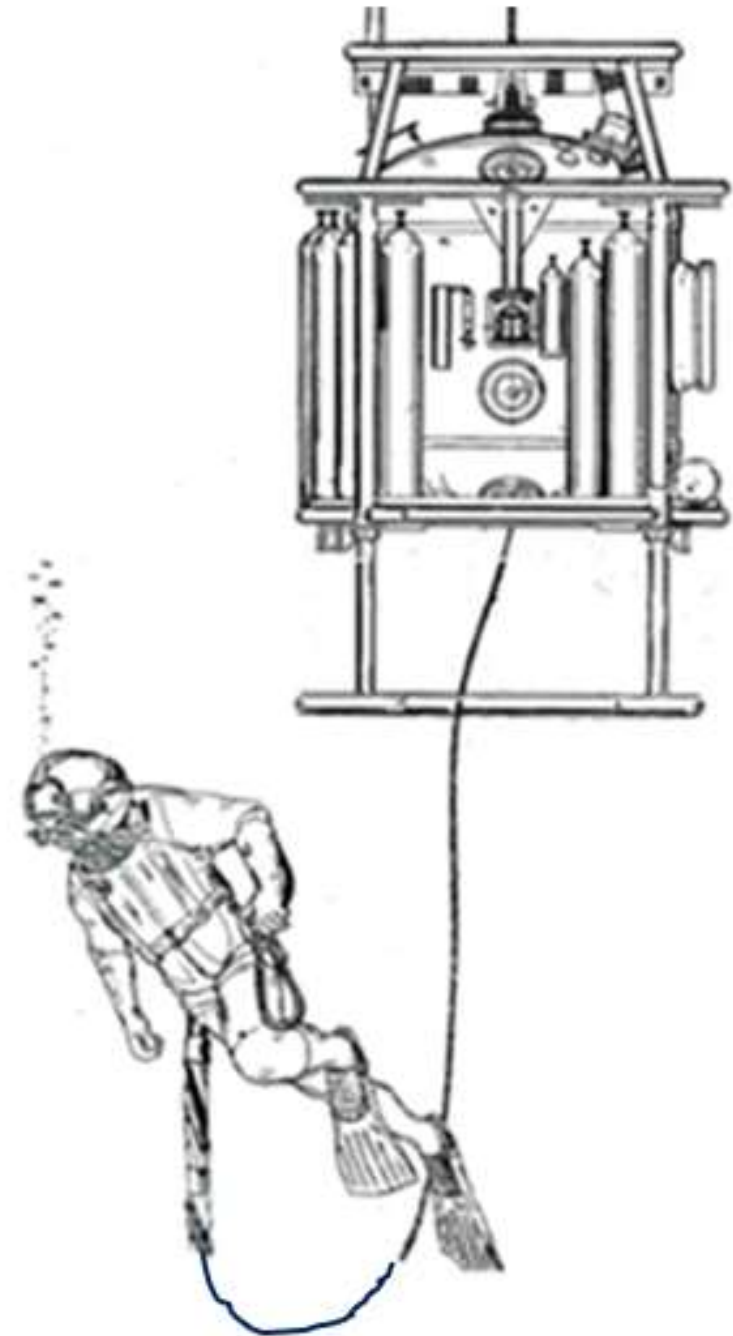


Reference Number:
NORSOK U-101:2013 (en)

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IOGP PIP - Diving respiratory equipment

- Standards Norway (EG-UB) have prepared IOGP PIP for new ISO standard on Diving respiratory equipment
- A proposal is based on NORSOK U-101
- Well established expert group in Norway (EG-UB)
- Needed experts from minimum 5 countries to participate in revision team





IOGP Project initiation Proposal (PIP)

- **Title of the proposed deliverable**
 - Diving respiratory equipment
- **Scope of the proposed deliverable**
 - The standard shall apply to design and testing of breathing apparatus (BA) for use in diving operations down to a maximal depth as specified by the manufacturer and limited to 500 msw
 - The standard may be applied for testing and assessment of any BA intended for use in diving operations

PIP continued

- **Purpose and justification of the proposal**
 - The new ISO standard will offer international accepted minimum requirements for BA installed or used in any diving vessel/operation . BA tested and accepted to this standard will be acceptable wherever the operation take place. Therefore manufacturers, operators and classification societies will have common accepted qualification requirements and unnecessary cost related to different requirements can be avoided



Status Work Group



1st meeting held 28th September 2021



2nd meeting planned for 11th November

Workgroup meeting New ISO standard – Diving respiratory equipment



- It is decided that this new standard will belong under ISO TC 67. It is not decided in which SC/WG level, but it is suggested to have a new WG directly under TC 67 (i.e. ISO TC 67/ WG 14).
 - Project Manager (PM): Jarno Dakhorst (IOGP)
 - Project Leader (PL): Kåre Segadal (NUI)
 - Project Secretary: Stian Sjølie (SN)
 - Project Team (PT): All participants listed in present/apologies.
- Listing members - Nations
 - Denmark, UK, USA, France, Italy, Australia, Netherlands, New Zealand, Norway

Name	Initials	Organization/Country
Present		
Bo Damsgaard	BD	Total / Denmark
Gavin Anthony	GA	IMCA / UK
Hubert Dommartin	HD	Aqualung Group / France
Øyvind Lønnechen	ØL	Norwegian PSA / Norway
Kim Løseth	KL	NUI / Norway
Nigel Lusby	NL	Shell / UK (Netherland)
Kåre Segadal	KS	NUI / Norway
Mike Ward	MW	Kirby Morgan Dive Systems / USA
Stian Sjølie	SS	Standards Norway / Norway
Joe Rusden	JR	Shell / New Zealand (Netherland)
Runar Østerbø	RØ	Equinor / Norway
Arnfinn Anfindsen	AA	Aker BP / Norway
Apologies		
Bertrand Ricque	BR	Safran Group / France
Rudolf Brekken	RB	Equinor / Norway
Eric Albier	EA	INPP / France
Jim Eu	JE	Woodside / Australia
Fabrice Gregori	FG	Aqualung Group / France
Marco Mentink	MM	Smit / Netherlands
Marilena Negretti	MN	ENI / Italy
Nicolas Peyron	NP	Aqualung Group / France



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