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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB 26123-2010

The safety requirement for air diving

空气潜水安全要求

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Foreword

All the technical contents of this standard is mandatory. The Association of Diving Contractors International reference standard "commercial diving and underwater operations accepted standards" (fifth edition, 2004) and the International Maritime contractors Association "International practice for offshore diving" (1998), "The Diving equipment and systems checks Guide. water-based diving systems (air)" (2000), "The Diving equipment and systems checks Guide. mobile/portable water supply system" (2006), and the UK Health and Safety Authority "latent Water Work "(1997), US Department of Labor Occupational Safety and Health Administration" Occupational Safety and Health Standards "(1996) and the US Department of Homeland Security sea Coast Guard "Maritime Occupational Safety and Health Standards" (1989) about the content developed. The Standard Annexes A and B are normative appendix. The standard proposed by the Ministry of Transport of the People's Republic of China. This standard is under the jurisdiction of the Ministry of Communications and salvage underwater engineering Standardization Technical Committee. This standard was drafted. the Ministry of Communications Shanghai Salvage Bureau, Shenzhen City Industrial Co., Ltd. Ye Shan. The main drafters of this standard. the Army, Gen-liter, Zhang Hui, leaves like Qiu, Xiao Xiaoling, Pan Mingguang, Liumu Liang, Xu Jin, Guo Xiaoping, Zhang Lei. Diving air safety requirements

1 Scope

GB 26123-2010 is the Chinese national standard on the safety requirement for air diving, in the field of services and company organization. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 14 January 2011 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 July 2011. Classification: ICS 03.220.40, CCS R09. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the medium of compressed air as breathing air diving personnel, equipment, and systems and procedures. This standard applies to diving in shallow depth of 60m air diving, but also to be exposed to less than 0.6MPa compressed air simulation diving.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB 150 steel pressure vessels

GB 5099 seamless steel gas cylinders (GB 5099-1994, neq ISO 4705. 1983) GB 6095 belts

GB/T 6096 Test Method for seat belt

GB/T 12243 Spring loaded safety valves (

GB/T 12243-2005, JISB8210.1994, MOD)

GB/T 12521 requirements for air diving decompression technology

GB/T 12930 diving apparatus with high-pressure piston-type air compressor for

GB 13004 seamless steel gas cylinders Periodic inspection and evaluation

GB/T 16560 deck decompression chamber

GB/T 17870 technical requirements for treatment of decompression sickness pressurized

GB 18435 and diving breathing gas detection method

GB 18985 Diver air supply

GB 20827 divers physical requirements GB Z24 occupational sickness diagnostic criteria

JT/T 207 69-III type light diving apparatus JJG

3 Terms, definitions and abbreviations

3.1 Terms and Definitions The following terms and definitions apply to this standard.

3.1.1 Diving care staff divingtender Assist divers in the water into the water, and watch divers umbilical cord signal, and continued to master diver in water workers state.

3.1.2 Divers prepare standbydiver Dressed in diving station on standby, ready to be able to aid the water into the water diver diver in distress, also known as standby diver.

3.1.3 Diving supervision divingsupervisor Dive Leader solely responsible for the diving operation and the implementation of safety, by written appointment diving practitioners units.

3.1.4 Life support member lifesupporttechnician Manipulate deck decompression chamber, the diver is responsible for cabin pressurization, and vacuum regulator to monitor environmental parameters cabin staff.

3.1.5 Diving radio operator divingtechnician Responsible diving harness, equipment, systems and tools to use, management and maintenance personnel.

3.1.6 Diving cage divingcage, divingbasket One kind of transport to and from the diver framed cage-type vehicle surface and underwater locations.

3.1.7 Open diving bell openbel One kind of transport to and from divers and underwater water carrying equipment between locations, and its upper end is dome compressed air environment, diving Members may be above the shoulder portion into which the rest exposed to water.

3.2 Acronyms The following abbreviations apply to this standard. BIBS

--- Built-contained breathing apparatus (built-inbreathingsystem) CCS

--- China Classification Society (Chinaclassificationsociety) DP

--- Dynamic Positioning (dynamicpositioning) JSA

--- Job Safety Analysis (jobsafetyanalysis) PTW

--- Work Permit (permittowork) ROV

--- ROV (remotelyoperatedvehicle) SCUBA

--- self-contained underwater breathing apparatus
(self-containedunderwaterbreathingapparatus)

4 personnel requirements

The standard refers to divers, including divers, diving supervision, diving care staff, prepare divers, diving radio operator, life support members And diving physician, with its training requirements, certification, and management should comply with the relevant requirements of the competent authorities. Engaged in underwater operations or need to go to high gas Physical condition pressure environment personnel shall comply with the requirements of GB 20827.

5.1 Individual harness

5.1.1 This standard is referred to harness individual diving mask or helmet, wetsuit, safety harness individual divers wear directly or wear, Ballast with emergency gas cylinders, flippers, diving knives and buoyancy vest.

5.1.2 Individual various components of the harness should have an identification number, maintenance procedures and records.

5.1.3 surface supplied air diving mask shall meet the following requirements.

- a) air supply meet the requirements of GB 18985;
- b) Two-way voice communication device;
- c) supply line is equipped with a check valve, the valve spring to withstand pressure less than 20kPa;
- d) the use of corrosion-resistant materials;
- e) over-voltage protection devices;
- f) can be connected to the emergency gas cylinders;
- g) easy detachment;
- h) visual inspection once a year by the manufacturer authorized personnel, maintenance and performance testing.

5.1.4 water supply diving helmet should meet the requirements of 5.1.3, helmet safety device to prevent accidental disengagement from the neck brace.

5.1.5 Ventilation diving helmet should comply with

5.1.3 a) ~

h) of the requirements, quick exhaust valve.