भारतीय मानक ब्यूरो
BUREAU OF INDIAN STANDARDS
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG, NEW DELHI 110002
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कार्यसूची

13 सितम्बर 2024

हमारा संदर्भ : सीईडी 47/ए-2.16
विषय : पत्तन, पोताश्रय् और अपतट अधिष्ठापन विषय समिति, सीईडी 47 की सोलहवीं बैठक की कार्यसूची

सीईडी 47 के सभी सदस्य

प्रिय महोदय/महोदया,

हमारे सम संख्यक पत्र दिनांक 21 अगस्त 2024 के संदर्भ में पत्तन, पोताश्रय् और अपतट अधिष्ठापन विषय समिति, सीईडी 47 की सोलहवीं बैठक की कार्यसूची की एक प्रति आपको भेज रहें हैं। बैठक निम्नानुसार आयोजित होगी:

तकनीकी समिति	दिन	तिथि	समय	स्थान
पत्तन, पोताश्रय् और अपतट अधिष्ठापन विषय समिति, सीईडी 47	गुरुवार	19 सितम्बर 2024	11:00 बजे	**विमर्श (ब्लू रूम)** (ऑनलाइन+ऑफलाइन) भारतीय मानक ब्यूरो, मानक भवन, 9, बहादुर शाह जफर मार्ग नई दिल्ली 110 002

बैठक में वीडियो कॉन्फ्रेंसिंग के द्वारा भाग लेने के लिए एक **Webex Link** आपको भेजा जा रहा है। हम आशा करते हैं कि आप इस महत्वपूर्ण बैठक में भाग लेंगे। इस बैठक में भाग लेने की पुष्टि कृपया ई-मेल से भेज दें।

मीटिंग लिंक : https://bismanak.webex.com/bismanak/j.php?MTID=m7576b6910f23e63b2433708c3bd94de1
बैठक संख्या : 2512 068 2086
पासवर्ड : ced47

धन्यवाद।

भवदीय,
(अशोक सारण)
वैज्ञानिक बी (सीईडी)
ई मेलः-ashoksaran@bis.gov.in
फ़ोन न.: 011-23238121

संगलन : उपरिलखित

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AGENDA

Our Ref: CED 47/A-2.16 **13 September 2024**

Subject: Agenda for the Sixteenth Meeting of Ports, Harbours and Offshore Installations sectional committee, CED 47.

ALL MEMBERS OF CED 47

Dear Sir/Madam,

In continuation to our Meeting Notice of even number dated 21 August 2024, please find enclosed herewith a copy of the Agenda of the Sixteenth Meeting of Ports, Harbours and Offshore Installations Sectional Committee, CED 47. The schedule of the meeting is as given below:

Technical Committee	Day	Date	Time	Venue
Ports, Harbours and Offshore Installations sectional committee, CED 47	Thursday	19 September 2024	11:00 h	**Vimarsha (Blue room) (Online + Offline)** Bureau of Indian Standards, Manak Bhavan, 9, Bahadur Shah Zafar Marg New Delhi 110 002

Kindly note that a **Webex link** will be sent to you for joining the meeting through video conferencing. You are kindly requested to make it convenient to participate in the meeting and a line in confirmation through E-mail would be highly appreciated.

URL: https://bismanak.webex.com/bismanak/j.php?MTID=m7576b6910f23e63b2433708c3bd94de1
Meeting ID: 2512 068 2086
Password: ced47

Thanking you,

Yours faithfully

(**Ashok Saran**)
Scientist B, CED
E-mail:ashoksaran@bis.gov.in
Phone No. 011-23238121

Encl: As above

BUREAUOF INDIANSTANDARDS

MEETING NOTICE-cum-AGENDA

Ports, Harbours and Offshore Installations Sectional Committee, CED 47 **: Sixteenth Meeting**

Thursday, 19 September 2024 **: 1100 h**

Through Video Conferencing

https://bismanak.webex.com/bismanak/j.php?MTID=m7576b6910f23e63b2433708c3bd94de1

Pass: ced47

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Chairman: Dr R. Sundaravadivelu **Member Secretary:** Shri Ashok Saran

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Item 0 OPENIN GREMARKS BY THE CHAIRMAN

Item 1 CONFIRMATION OF THEMINUTES OF THE LAST MEETING

1.1 The Minutes of the last (Fifteenth) meeting of Ports, Harbours and Offshore Installations Sectional Committee, CED 47 held on 17 Nov 2023 in New Delhi were circulated vide BIS DG letter No. CED 47/A-2.15 dated 17 Aug 2024. No comments have been received on the same.

The Committee may **CONFIRM**.

ITEM 2 ROLLING ANNUAL ACTION PLAN

2.1 Bureau of Indian Standards (BIS) has adopted a Rolling Annual Action Plan which is a dynamic and adaptable framework designed to guide the standardization activities on an annual basis. Unlike a fixed annual plan, the rolling approach allows for ongoing adjustments and flexibility to accommodate emerging needs and changing industry requirements. It enhances agility, stakeholder engagement, and focus on priorities, while facilitating effective monitoring and long-term planning.

Therefore, all the sectional committee are being advised to frame a rolling annual action plan and adhere to the respective timelines for draft formulation.

BIS has taken a decision that all standards before 2000 have to be revised within the next three years. This plan has been designed with that in view.

In last meeting, the committee requested all member to finalize the following subject/draft IS within a year.

SI No.	Topic/ Item Title
1	IS 4651 Part 5 Code of Practice for Planning and Design of Ports and Harbours: Part 5 Layout and Functional Requirements
2	Design code for Breakwaters
3	Coastal and wave loading

The Committee may **CONSIDER** and **DECIDE**.

ITEM 3 PROGRAMME OF WORK

3.1 A Programme of work under the Sectional Committee along with its scope is given at **Annex 2**. The Committee requested to DECIDE on future work plan and strategies to be adopted for this year aiming at contribution in related to standardization activity both at national and international level (if available, ISO).

The Committee may **CONSIDER** and **DECIDE**.

ITEM 4 COMPOSITION

4.1 The present composition of the sectional committee is given at **Annex 1.**

The Committee may consider and review the composition in view of the following:

A – Balance in Composition, Effective Nominations, and Involvement of New Talent and Young Professionals

The composition of committees shall be reviewed by the appointing authority annually, with a view to making such changes as may be considered necessary in order to make the committee more effective and fully representative of the interests concerned. Review shall consider the contribution of existing members, any request for representation received from others interested, need for additional representations, members who need to be dropped, etc. Members not participating in meetings and also otherwise not contributing by commenting on documents, are liable to be dropped in order to provide opportunity to other similar organizations/institutes that may be interested to participate and contribute to the standardization efforts.

In the case of members from Government or regulatory bodies or organizations which are unique and need to be represented on the committee, their continuation in the committees may be considered despite lack of participation/contribution in order to maintain the right stakeholder balance in the committees and in interest of keeping them informed of all the developments.

In order to keep committees to a workable size, the strength of the Sectional Committee should normally be restricted to around 30.
As far as possible, non-industry representation should not be less than two-third of the committee composition.

B – Induction of Young Professional

At the discretion of the nominating organization and to encourage induction of next generation participants in standardization work, organizations may also nominate an additional representative as 'Young Professional' to the technical committees, provided such individuals are below the age of 37 years.

C – Gender Balance in Committees

Bureau of Indian Standards is a signatory to the UNECE Gender Responsive Standards Declaration. The UNECE Gender Responsive Standards Initiative aims to provide a practical framework for standards bodies seeking to make the standards they develop, and the standards development process they follow, gender responsive. Established in 2016, the Initiative has the objectives of: (i) strengthening the use of standards and technical regulations as powerful tools to attain SDG 5 (Achieve Gender Equality and Empower all Women and Girls); (ii) integrating a gender lens in the development of both standards and technical regulations; and (iii) elaborating gender indicators and criteria that could be used in standards development.

In line with these objectives, BIS aims to work towards:

- Gender responsive standards;
- Gender balance at all levels in all Committees including leadership positions;
- Enhanced expertise to create and deliver gender inclusivity;
  The BIS' Technical Committees are therefore requested to work in tandem with these aims to create a gender balance environment in all walks of life through standards.

The Committee may **CONSIDER** and **ADVISE**.

4.2 Formation of Alert Group

To identify new areas where standardization may be required and to identify the need of R&D, Committee made an Alert Group. The composition of the working group is as given below:

1) Prof R. Sundaravadivelu, IIT Madras, Chennai
2) Representative, SERC, Chennai
3) ITD Cementation
4) L&T IEL
5) Shri Sunil Kumar, in personal capacity

The Committee may **CONSIDER** and **ADVISE**.

4.3 New Members

Towards accomplishing the various revisions, proposed new standards, systematic 5 year review of Indian Standards - all to be accomplished to enable the stakeholders have the need of the hour standards, it is imperative to review the existing composition and have new contributors to the Committee. The Committee may debate on potential new members who may be decided for inviting/co-opting on the Expert Working Groups/ Panels, in particular.

The Committee may **CONSIDER** and **ADVISE**.

ITEM 5 ISSUE ARISING FROM PREVIOUS MEETING

5.1 Revision of IS 4651 (Part 5):1980 Code of Practice for Planning and Design of Ports and Harbours: Part 5 Layout and Functional Requirements

5.1.1 The committee considered the composition of CED47/WG1 responsible for revision of IS 4651 (Part 5) and suggested some changes in the same. The composition of the above working group is given below:

i) Prof. R. Sundaravadivelu, IIT Madras, Chennai (Convener)
ii) Dr K. M. Sivakolundu, IMU
iii) Representative of Kolkata Port Trust, Kolkata
iv) Representative of Adani Port Trust (Planning Unit)
v) Shri S. Jagannathan, Mumbai
vi) Shri T. Kundu, Graphics India
vii) Shri Sivarama Krishnan
viii) Shri S. Sakthivel, OECPL
ix) Shri P. K. Panigrahi, In personal capacity
x) Shri H. N Ashwath, Ministry of Ports, Shipping and Waterways, New Delhi
xi) Dr B. K. Jena, NIOT, Chennai
xii) Shri A. Sanish, L&T infrastructure, Chennai
xiii) Shri N. Sunil Kumar, Aurobindo Reality Infrastructure Private Limited, Hyderabad
xiv) Ms. Vasumitha Joshi, Afcons Infrastructure Limited, Mumbai
xv) Shri Pinaki Adak, ITD Cementation India Ltd, Kolkata
xvi) Shri Sanjeev Gupta, AECOM India Pvt. Ltd, Noida
xvii) Shri Abhishek Basu, Howe Engineering Projects (India) Ltd, Mumbai
xviii) Dr Ramesh, National Centre for Sustainable Coastal Management, Chennai

In last meeting, Prof. R. Sundaravadivelu informed the Committee to convene the meeting as early as possible and to update the committee in the next meeting. *The above WG met to discuss the modification in draft IS 4651 (Part 5) and will update the Committee in its next meeting.*

The Committee may **CONSIDER** and **ADVISE**.

5.2 Breakwaters – Design, Construction and Testing (as a new part under IS 4651)

5.2.1 The Dr M. V. Ramana Murthy (NCCR, Chennai) (Convener), informed the Committee that Working Group, CED 47/WG2, has been initiated the preparation of the draft on the above subject and tabled the draft content list of the standard.

The composition of CED47/WG2 responsible for Breakwaters – Design, Construction and Testing (as a new part under IS 4651) is given below:

i) Dr M. V. Ramana Murthy (NCCR, Chennai) ***(Convener)***
ii) Shri S. Sabarinath (L&T IEL, Chennai)
iii) Prof A. Sannasiraj (IIT Madras)
iv) Chief Engineer, JNPT, Navi Mumbai
v) Projectscape Engineering Consultancy Services Pvt. Ltd, Kolkata
vi) Dr Chandra Mohan, Navayuga Engineering Company Ltd, Hyderabad
vii) BMT (Coastal Infrastructure Team, Ahmedabad)
viii) Prof. R. Sundaravadivelu, IIT Madras, Chennai
ix) Shri J. Venkateswara Rao, In personal capacity, Nellore
x) Shri K. Vedagiri, In personal Capacity, Bengaluru
xi) Central Water and Power Research Station, Pune
xii) Dr Prabhat Chandra (Central Water & Power Research Station, Pune)
xiii) Shri Sanjeev Gupta (AECOM India Pvt. Ltd, Noida)
xiv) Danish Hydraulic Institute (India), New Delhi
xv) Shri N. Sunil Kumar, (Aurobindo Reality Infrastructure Private Limited, Hyderabad)

In last meeting, informed by Shri Kiran Raju, NCCR, the table of the contents and all the framework are already done and the draft document would be available very soon for committee's consideration.

In last meeting, the above WG was requested to convene the meeting as soon as possible and inform the BIS regarding progress and the details of the draft and meeting.

The Committee may **CONSIDER** and **ADVISE**.

5.3 The Committee noted the information explained by the Member Secretary during the last meeting. The Committee decided to work on the following standards and prepared the Working Groups:

	IS No.	**Existing Title**	**New Number and title**	**WG**
1	IS 9527	Code of practice for design and construction of port and harbour structures:	Code of practice for design and construction of port and harbour structures:	
2	(Part 1):1981	Part 1 Concrete piles and monoliths	**IS 9527 (Part 1) - Concrete Piles and**	1) Shri P.K. Ray (Convener), ITD

			Monoliths	Cementation India Limited, Kolkata 2) Shri Sunil Kumar, Aurobindo Reality Infrastructure Private Limited, Hyderabad 3) Shri Hitesh Bhat, Howe Engineering Projects (India) Private Limited, Ahmedabad 4) Shri K. Vedagiri, In Personal Capacity
3	-	*-(new part 2 of IS 9527)*	**IS 9527 Part 2 - Steel Piles**	1)Dr. Sundaravadivelu (Convener), In Personal Capacity, Chennai 2)Shri Sudeep Kole, ITD Cementation India Limited, Kolkata 3)Shri N. Sunil Kumar, Aurobindo Reality Infrastructure Private Limited, Hyderabad 4)Shri Deepak A.N., L&T-IEL, Chennai
4	(Part 3):1983	Part 3 Sheet pile walls	**IS 9527 Part 3 Sheet and Circular Sheet piles**	1)Dr. Nilanjan Saha (***Convener***), Indian Institute of Technology Madras, Chennai 2)Shri Pinaki Ranjan Adak, ITD Cementation India Limited, Kolkata 3)Shri Sanjeev Gupta, Aecom India Private Limited, Gurugram 4)Shri Vedagiri, In Personal Capacity 5)Any representative from Industry
5	(Part 4):1980	Code of practice for design and construction of port and harbour structures: Part 4 Cellular sheet pile structures		
6	(Part 6):1989	Design and construction port and harbour Structures — Code of practice: Part 6 Block work	**IS 9527 Part 4 - Block work**	1)Shri Vedagiri (***Convener***), In Personal Capacity 2)Shri J.K. Ahulwalia, Aecom India Private Limited, Gurugram 3)Shri Deepak A.N., L&T - IEL Chennai

				4)Shri V. Ramamurthy, Afcons Infrastructure Ltd, New Delhi
7	-	*(new part of IS 9527)*	**IS 9527 Part 5 –** Ship Building and Repair Facilities **(**including dry docks, wet docks, slipways, etc. amalgamating IS 10020)	1)Dr. Sundaravadivelu (Convener), In Personal Capacity, Chennai 2)Shri Deepak A. N, L&T IEL, Chennai 3)Shri Immanuel Anderson, L&T IEL 4)Shri N. Sunil Kumar, Aurobindo Reality Infrastructure Private Limited, Hyderabad 5)Vishakhapatnam Port Trust, Vizag
8	-	- *(new part of IS 4651)*	**Riverine ports/Jetties for inland water transportation**	1)Prof Sannasi Raj (Convener), IIT Madras 2)Representative from Aecom 3)Shri Sunil Kumar, Aurobindo Reality Infrastructure Private Limited, Hyderabad 4)Shri P.K Ray, ITD Cementation India Limited, Kolkata 5)Shri Abhishek Basu, Howe Engineering 6)Shri R. Saravanan, Rites Limited, Gurugram 7)Shri V.N. Heggade In Personal Capacity
9	-	- *(new part of IS 4651)*	**Floating Jetties**	
10	-	- *New Standard*	**Coastal and wave (including Tsunami Force) loading on Coastal Structures**	1)Dr. Sannasi Raj, (Convener), IIT Madras 2)Shri V. Ramamurthy, Afcons Infrastructure Ltd New Delhi 3)Ms. Vasusmita Joshi, Afcons Infrastructure Ltd New Delhi 4)Representative from ITD Cementation Limited 5)Dr. Subbulakshmi A, CSIR-SERC 6)Shri P. R. Rajesh, L&T-IEL, Chennai 7)Representative from

				NCCR 8)Representative from AECOM
11	-	- *New Standard*	**Retrofitting of Coastal Structures**	1)Prof Nilanjan Saha, (Convener), IIT Madras 2)Shri Abhishek Basu, Howe Engineering Projects (India) Private Limited, Ahmedabad 3)Shri N. Sunil Kumar, Aurobindo Reality Infrastructure Private Limited, Hyderabad 4)Representative from NCCR 5)Prof Sannasi Raj, IIT Madras 6)Shri Arun Kumar, NIOT, Chennai 7)Shri J.K Ahulwalia, Aecom India Private Limited, Gurugram

Considering the latest guidelines for Research and Development of BIS, the Committee is requested to review the above listed subject and decide further in its next meeting.

The Committee may **CONSIDER** and **DECIDE**.

ITEM 6 ISO WORK

6.1 ISO work under the Sectional Committee along with its scope is given at **Annex 3.**

The committee may **CONSIDER** and **ADVISE.**

ITEM 7 SUSTAINABLE APPROACH IN STANDARDIZATION

The Planning and Development Advisory Committee (PDAC) of BIS has advised that the technical committees should be sensitized for Eco requirements and standards should be formulated considering the environmental aspects.

The Committee may **NOTE**.

ITEM 8 ANY OTHER BUSINESS

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ANNEX 1

(*Item* 4.1)

COMPOSITION OF PORTS, HARBOURS AND OFFSHORE INSTALLATIONS SECTIONAL COMMITTEE, CED 47

Nos. of Meeting	Date	Place
Thirteenth	28 June 2022	VC
Fourteenth	15 June 2023	VC
Fifteenth	17 Nov 2023	VC

SI No.	NAME OF THE ORGANIZATION	REPRESENTED BY	STA-TUS	MEETINGS			ATTEN-DANCE
				13th	14th	15th	
1	In Personal Capacity, Chennai	Dr R. Sundaravandivelu **(*Chairperson*)**	T	P	P	P	3/3
2	AECOM India Pvt. Ltd, Gurugram	Shri Sanjeev Gupta Shri J. K. Ahluwalia *(Alternate)*	T	P	P	P	3/3
3	Afcons Infrastructure Limited, New Delhi	Shri V. Ramamurty Ms. Vasusmitha Joshi (*Alternate*)	U	P	P	P	3/3
4	Aurobindo Reality Infrastructure Private Limited, Hyderabad	Shri. N. Sunil Kumar	U	P	P	A	2/3
5	CSIR-National Institute of Oceanography, Dona Paula	Dr Sukomal Mandal Shri D. Illangovan *(Alternate)*	T	P	A	A	1/3
6	CSIR-Structural Engineering Research Centre, Chennai	Dr P Harikrishna Shri S. Vishnuvardhan (*Alternate* I) Dr A. Subbulakshmi (*Alternate* II)	T	P	P	P	3/3
7	Central Institute of Coastal Engineering for Fishery, Bengaluru	Shri N. Venkatesh Prasad Shri M. B. Belliappa (*Alternate*)	T	P	A	P	2/3
8	Central Water and Power Research Station, Pune	Dr Prabhat Chandra Shri A. A. Purohit (*Alternate*)	T	P	P	A	2/3
9	Chennai Port Trust, Chennai	Superintending Engineer (Civil) Executive Engineer (Civil) (*Alternate*)	U	A	P	P	2/3

Sl No.	NAME OF THE ORGANIZATION	REPRESENTED BY	STA-TUS	MEETINGS			ATTEN-DANCE
				13th	14th	15th	
10	Engineers India Limited, New Delhi	Shri Bhaskar Pal Shri Charanjit Singh (*Alternate*)	T	P	P	P	3/3
11	Howe Engineering Projects (India) Private Limited, Ahmedabad	Mr. Abhishek Basu Mr. Hitesh Bhatt (*Alternate*)	U	A	A	P	1/3
12	ITD Cementation India Limited, Kolkata	Shri Prodyot Kumar Roy Shri Pinaki Ranjan Adak (*Alternate*)	U	P	P	P	3/3
13	Indian Institute of Technology Madras, Chennai	Prof S. A. Sannasiraj Prof Nilanjan Saha (*Alternate*)	T	P	A	P	2/3
14	Institute of Engineering & Ocean Technology, Panvel (Part of ONGC), Maharashtra	Shri Dinesh Gupta	T	P	P	A	2/3
15	L&T Construction, Chennai	Shri P. R. Rajesh Shri H. Immanuel Anderson (*Alternate*)	T	P	P	P	3/3
16	Ministry of Ports, Shipping and Waterways, New Delhi	Shri H. N. Aswath Shri Anil Pruthi (*Alternate*)	U	P	P	P	3/3
17	National Centre for Coastal Research, Chennai	Dr M. V. Ramanamurthy Dr R. S. Kankara (*Alternate*)	T	P	P	P	3/3
18	National Institute of Ocean Technology, Chennai	Dr Basanta Kumar Jena Dr Vijaya Ravichandran (*Alternate*)	T	P	P	P	3/3
19	RITES Limited, Gurugram	Shri R Saravanan Shri Krishan Kumar (*Alternate*)	U	P	P	P	3/3
20	Royal Haskoningdhv India, Noida	Shri Manish Kumar Shri Mohd. Aslam Bijapur (*Alternate*)	U	A	A	P	1/3
21	In Personal Capacity	Shri K Vedgairi	T	A	A	P	1/3
22	In Personal Capacity	Shri V. N. Heggade		A	P	P	2/3

SI No.	NAME OF THE ORGANIZATION	REPRESENTED BY	STA-TUS	MEETINGS			ATTEN-DANCE
				13th	14th	15th	
23	In Personal Capacity, New Delhi	Dr M. Hariharan	T	P	A	P	2/3

ANNEX 2
(*Item* 3.1)

PROGRAMME OF WORK

CED47 SCOPE	PORTS, HARBOURS AND OFFSHORE INSTALLATIONS FORMULATION OF STANDARDS, CODES AND RECOMMENDATIONS RELATING SPECIFICALLY TO, I) PORTS AND HARBOURS AND OTHER ANCILLARY STRUCTURES II) OFFSHORESTRUCTURES
LIAISON	ISO/TC 67/SC 7 (O) OFFSHORE STRUCTURES

Sl No.	IS Number/ DOC Number	Title	Reaffirm Date	No. of Amd.	Aspect
STANDARDS PUBLISHED					
12	IS 4651 (Part 1):2020	Planning and design of ports and harbours — Code of practice: Part 1 Site investigation (*second revision*)			C
13	IS 4651 (Part 2):2020	Planning and design of ports and harbours — Code of practice: Part 2 Geotechnical engineering (*second revision*)			C
14	IS 4651 (Part 3):2020	Planning and design of ports and harbours — Code of practice: Part 3 Loading (*second revision*)			C
15	IS 4651 (Part 4):2023	Planning and design of ports and harbours — Code of practice: Part 4 General design considerations (*third revision*)			C
16	IS 4651 (Part 5):1980	Code of practice for planning and design of ports and harbours: Part 5 Layout and functional requirements	Jul 2022		C
17	IS 7314:2023	Glossary of terms relating to port and harbour engineering	Jul 2022		T
18	IS 9527 (Part 1):1981	Code of practice for design and construction of port and harbour structures: Part 1 Concrete monoliths	Jul 2022		C
19	IS 9527 (Part 3):1983	Code of practice for design and construction of port and harbour structures: Part 3 Sheet pile walls	Jul 2022		C
20	IS 9527 (Part 4):1980	Code of practice for design and construction of port and harbour structures: Part 4 Cellular sheet pile structures	Jul 2022		C
21	IS 9527 (Part 6):1989	Design and construction port and harbour Structures — Code of practice: Part 6 Block work	Aug 2020		C
22	IS 10020 (Part 4):1981	Recommendations for design and construction of port and harbour components: Part 4 Slipways	Jul 2022		O

ANNEX 3
(*Item* 6.1)
ISO WORK RELATED TO CED 47

ISO/TC 67

Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries Technical Committee

Scope

Standardization of the materials, equipment and offshore structures used in the drilling, production, transport by pipelines and processing of liquid and gaseous hydrocarbons with in the petroleum, petrochemical and natural gas industries.

Excluded: Aspects of offshore structures subject to IMO requirements (ISO /TC 8 Ships and Marine Technology).

Details of Various Working Groups Under **TC 67/SC 67:**

Reference	Title	Type
ISO/TC 67/SC 7/WG 1	General requirements	Working group
ISO/TC 67/SC 7/WG 3	Fixed steel structures	Working group
ISO/TC 67/SC 7/WG 4	Fixed concrete structures	Working group
ISO/TC 67/SC 7/WG 5	Floating systems	Working group
ISO/TC 67/SC 7/WG 6	Weight engineering	Working group
ISO/TC 67/SC 7/WG 7	Site specific assessment of mobile offshore units (MOUS)	Working group
ISO/TC 67/SC 7/WG 8	Offshore Arctic structures	Working group
ISO/TC 67/SC 7/WG 9	Marine operations	Working group
ISO/TC 67/SC 7/WG10	Foundations	Working group
ISO/TC 67/SC 7/WG11	Offshore freight containers	Working group

Also, the liaison Committees to ISO/TC 67/SC 7 are given below:

The committees below can access the documents of ISO/TC 67/SC 7:

REFERENCE	TITLE
ISO/TC 8	Ships and marine technology
ISO/TC 38	Textiles
ISO/TC 98	Bases for design of structures
ISO/TC 104	Freight containers
ISO/TC 104/SC 2	Specific purpose containers
ISO/TC 156/SC 1	Corrosion control engineering life cycle
ISO/TC 167	Steel and aluminium structures

LIAISON COMMITTEES FROM ISO/TC67/SC 7

ISO/TC 67/SC 7 can access the documents of the committees below:

REFERENCE	TITLE
ISO/TC 8/SC 4	Outfitting and deck machinery
ISO/TC 8/SC 8	Ship design
ISO/TC 38	Textiles

ORGANIZATIONS IN LIAISON (CATEGORY A AND B)

ACRONYM	TITLE
IACS - classification	International Association of Classification Societies
IADC - drilling	International Association of Drilling Contractors
IMO	International Maritime Organization
IOGP	International Association of Oil and Gas Producers

PUBLISHED STANDARDS AND/OR PROJECT UNDER DEVELOPMENT UNDER THE DIRECT RESPONSIBILITY OF ISO/TC67/SC7 SECRETARIAT (27)	**STAGE**
ISO 10855-1:2018 : Offshore container sand associated lifting sets – Part 1: Design, manufacture and marking of offshore containers	60.60
ISO 10855-2:2018 : Offshore containers and associated lifting sets – Part 2: Design, manufacture and marking of lifting sets	60.60
ISO 10855-3:2018 : Offshore containers and associated lifting sets – Part 3: Periodic inspection, examination and testing	60.60
ISO 19900:2019 : Petroleum and natural gas industries -- General requirements for offshore structures	60.60
ISO 19901-1:2015 : Petroleum and natural gas industries – Specific requirements for offshore structures -- Part 1: Metocean design and operating considerations	60.60
ISO 19901-2:2017 : Petroleum and natural gas industries – Specific requirements for offshore structures -- Part 2: Seismic design procedure sand criteria	90.92
ISO/AWI19901-2 : Petroleum and natural gas industries – Specific requirements for offshore structures -- Part 2: Seismic design procedure sand criteria	20.00
ISO 19901-3:2014 : Petroleum and natural gas industries – Specific requirements for offshore structures -- Part 3: Top sides structure	60.60
ISO 19901-4:2016 : Petroleum and natural gas industries – Specific requirements for offshore structures -- Part 4: Geotechnical and foundation design considerations	60.60
ISO 19901-5:2016 : Petroleum and natural gas industries – Specific requirements for offshore structures -- Part 5: Weight control during engineering and construction	90.92

PUBLISHED STANDARDS AND/OR PROJECT UNDER DEVELOPMENT UNDER THE DIRECT RESPONSIBILITY OF ISO/TC67/SC7 SECRETARIAT (27)	STAGE
ISO/AWI19901-5 : Petroleum and natural gas industries — Specific requirements for offshore structures -- Part 5: Weight management	20.00
ISO 19901-6:2009 : Petroleum and natural gas industries – Specific requirements for offshore structures -- Part 6: Marine operations	60.60
ISO 19901-6:2009/COR1:2011	60.60
ISO 19901-7:2013 : Petroleum and natural gas industries – Specific requirements for offshore structures -- Part 7: Station keeping systems for floating offshore structures and mobile offshore units	90.93
ISO 19901-8:2014 : Petroleum and natural gas industries – Specific requirements for offshore structures -- Part 8: Marine soil investigations	60.60
ISO 19901-9:2019 : Petroleum and natural gas industries – Specific requirements for offshore structures -- Part 9: Structural integrity management	60.60
ISO/DIS19901-10 : Petroleum and natural gas industries – Specific requirements for offshore structures – Part 10: Marine geophysical investigations	40.60
ISO 19902:2007 : Petroleum and natural gas industries – Fixed steel offshore structures	90.92
ISO 19902:2007/AMD1:2013	60.60
ISO/FDIS19902 : Petroleum and natural gas industries – Fixed steel offshore structures	50.00
ISO 19903:2019 : Petroleum and natural gas industries – Concrete offshore structures	60.60

PUBLISHED STANDARDS AND/OR PROJECT UNDER DEVELOPMENT UNDER THE DIRECT RESPONSIBILITY OF ISO/TC67/SC7 SECRETARIAT(27)	STAGE
ISO 19904-1:2019 : Petroleum and natural gas industries – Floating offshore structures -- Part1: Ship-shaped, semi-submersible, spar and shallow-draught cylindrical structures	60.60
ISO 19905-1:2016 : Petroleum and natural gas industries -- Site-specific assessment of mobile offshore units – Part 1: Jack-ups	60.60
ISO/TR19905-2:2012 : Petroleum and natural gas industries -- Site-specific assessment of mobile offshore units – Part 2: Jack-ups commentary and detailed sample calculation	60.60
ISO 19905-3:2017 : Petroleum and natural gas industries -- Site-specific assessment of mobile offshore units – Part 3: Floating unit	90.92
ISO/DIS19905-3 : Petroleum and natural gas industries -- Site-specific assessment of mobile offshore units – Part 3: Floating units	40.00
ISO 19906:2019 : Petroleum and natural gas industries—Arctic offshore structures	60.60