Chinastandards.org

ICS 93.140
CCS P 67

JTS

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

JTS 141-2011

General Rules for Design of Port and Waterway Works

水运工程设计通则

(English Translation)

Issued on: April 22, 2011 **Implemented on: July 1, 2011**

Issued by: Ministry of Transport

Preview: page 1 of 4 shown, 32 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/jts-141-2011

Chinastandards.org

Table of Contents

[Preview only]
1 General Provisions
2 Terms
3 Basic Requirements
3.1 General Requirements
3.2 Seismic Precaution Classification and Precautionary Criterion
3.3 Actions and Action Effect Combination
4 Self- Weight
4.2 Liquefiable Soil Foundation
4.3 Hydrology and Silt
4.4 Weather
4.5 Other Influencing Factors
4.6 Mixing Water
4.7 Admixtures
5 Storage Load and Crowd Load
5.2 Crowd Load
5.3 Seismic Earth Pressure
5.4 Earthquake Hydrodynamic Pressure
5.5 Foundation Bearing Capacity and Bank Stability
5.6 Structure Check
6 Hoisting Machinery Load
6.2 Characteristic Value of Load
6.3 High-piled Dolphin Wharf
6.4 Sheet Pile Wharf
6.5 Sloping Wharf and Floating Wharf
6.6 Breakwater
6.7 Navigation Lock
6.8 Wharf Equipment and Auxiliary Facilities
7 Train Load
7.2 Plane Layout and Dimension Design of Dredging Area
7.3 Dredging Modes
7.4 Calculation of Dredging Quantities

Preview: page 2 of 4 shown, 32 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/jts-141-2011

7.5 Capital Dredging
7.6 Maintenance Dredging
7.7 Dredging of Polluted Soil
7.8 Rock Dredging
7.9 Trial Dredging
8 Vehicle Load
8.2 Dredge Pump Characteristics
8.3 Pipeline Characteristics
8.4 Determination of Dredge Pump and Pipeline Working Area
8.5 Booster Pump Transportation
8.6 Crack Prevention Measures for Mass Concrete
8.7 Construction Defects Repairing
9 Cargo Cable Load
9.2 Dredged Material Assessment
9.3 Dredged Material Utilization
9.4 Dredged Material Disposal
9.5 Dredged Material Treatment
9.6 Unbounded Prestressing

1 Foreword

JTS 141-2011 was issued by Ministry of Transport on 22 April 2011 and has been in force since 1 July 2011.

The JTS prefix, without a suffix, marks a mandatory standard: within its scope, compliance is required.

The document runs to 32 pages in English translation.

2 Scope Preview

This standard applies to new construction, renovation and expansion of port projects, waterway engineering and shipyard engineering design of hydraulic structures and water engineering design as a universal standard.

JTS 141-2011 falls under ICS 93.140, in the field of civil engineering.

This catalogue holds 48 other JTS standards in that field.

In this catalogue, JTS standards carry edition years from 2007 to 2024.

Preview: page 3 of 4 shown, 32 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/jts-141-2011

3 About this standard

Issued by: Ministry of Transport

English translation: about 32 pages

Chinese original: about 48,467 characters

4 Related standards

Standards on related subjects:

JTS/T 148-2020 - Technical Code for Application of Geosynthetics for Port and Waterway Engineering

JTS 149-2018 - Specifications on Environmental Protection Design for Port and Waterway Engineering

JTS 147-2017 - Code for design of pile foundations for waterway engineering

5 Classification and status

International classification (ICS): 93.140

Chinese Standard Classification (CCS): P 67

Prefix JTS: mandatory standard.

Preview: page 4 of 4 shown, 32 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/jts-141-2011