

GENERAL INDEX
TO
STANDARDS AND STANDARD DRAWINGS

PREFACE

IPS (Iranian Petroleum Standards) publications reflect the views at the time of publications of the appropriate specialist within the main functions of Oil, Gas and Petrochemical Industries.

The information set forth in these publications is provided to users for their consideration and decision to implement their plans.

They are based on the combined experience of the specialist acquired during their involvement with the design, construction, operation and maintenance of processing units and facilities, and they are supplemented with the experience of operating companies. Where appropriate, reference is made to, national and international standards.

The objective is to set the standard for procurement, installation, construction, inspection and good design to be applied at every Oil, Gas and Petrochemical Industries. A large measure of uniformity throughout procurement, installation, construction and engineering work will thus be achieved with all its economic advantages.

These publications may not cover every requirement or diversity of condition at each locality, but this is recognized and the system is sufficiently flexible to allow individual operating companies to exercise their own judgment in this situation.

*When contractors or manufacturers use **IPS**, they shall be responsible for the quality of requirements, particularly for those not covered in the **IPS**. In that case the company expects them to follow those standards in order to achieve the same level of integrity as reflected in the **IPS**. If in doubt, the contractor or manufacturer shall consult the company.*

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SCOPE

This Standard lists the IPS Standards and Standard Drawings on the date of issue of this index. They are listed both by subject and numerically. 379 standards and 216 standard drawings, are separately listed. An update is issued yearly to all registered recipients and is available otherwise on request.

In the subject index, in addition to the standard title, the number of pages and the STATUS of each standard are given. The position of any standard, if amended or withdrawn will be shown in the subject index.

In the numerical index the sorting is based on the sequence of letters and numbers and reference is made to the subject index.

STANDARD STATUS

The Status of each Standard and Standard Drawing is set out in the subject index and identifies the latest position of each Standard and Standard Drawing as follows:-

Current: *Indicates that the standard is approved by Standard High Council (SHC) and distributed for use.*

Final: *Identifies that the standard is approved by SHC and is under print.*

Draft: *Refers to the Standard which is under preparation.*

Withdrawal: *Indicates that the Standard is no longer needed and no longer maintained by IPS. A case will be made to the SHC that the Document is out-of-date or no longer needed. Following the approval of the SHC. The holders of IPS will be notified of the withdrawal by a change in the Status code. The continued use of a withdrawn document will be at local management discretion*

STANDARD HIGH COUNCIL (SHC)

The Standard High Council is the senior policy making body of which the members are as follow:-

- *Deputy Oil Minister in Engineering & Projects Affair*
- *Deputy Oil Minister in Trade Affairs*
- *Production Manager in On-Shore Fields*
- *Managing Director of Investment Development Company of NPC*
- *Manager Engineering & Projects of NIGC*

The SHC meets at least twice a year for setting the philosophy and directing the activities of the Organization. Additionally SHC gives final endorsement for introducing the new standards or withdrawal of the old standard.

When a document is endorsed by the SHC and accepted for issue, it doesn't necessarily imply endorsement by every management.

The SHC do not specifically approve the technical content. This is the responsibility of the Standards Organization. However it is the responsibility of the user of a document to ensure that it is appropriate for a particular application.

FEEDBACK

Organizations and individuals who use the IPS Standards are encouraged and invited to contact Standard Organization as for any questions, suggestions and comments concerning the standards, which could lead to their improvement and updating.

Such feedback will assist materially in maintaining and enhancing the value of the document to users.

Feedback should be made in writing and addressed to the director of Standard Organization.

All feedback is kept on the document record file by Standard Organization for FORMAL REVISION. The CUSTODIAN will review this file, and if received queries and feedback require urgent consideration, he will arrange for preparation of an AMENDMENT to the standard.

FORMAL REVISION

The policy of IPS for every standard is to make it reviewed by the relevant technical committee not more than five years after publication. Numbers shown in parentheses of IPS number identifies whether an IPS has been so revised.

AMENDMENT

During formal revisions, if a standard requires urgent consideration, the matter will be notified to the relevant TECHNICAL COMMITTEE. Should the query be approved by the technical committee, the custodian will prepare an amendment to the document and make it rapidly dispatched to all registered holders.

TECHNICAL COMMITTEE

The Iranian Petroleum Standards are developed and maintained by a number of technical committees. Each technical committee is composed of at least six authorized specialists nominated by nine subsidiary companies and divisions of Ministry of Petroleum. There are at present 13 such committees each representing one of the 13 fields or disciplines for which standards are required.

CUSTODIAN

Custodian is a key element in the Standard's Organization. He is responsible for technical content of his standards.

The custodian is responsible for the Standard status, and for proposing revision, and withdrawals, or urgent amendments.

IPS NUMBERING STRUCTURE

The Iranian Petroleum Standard Numbering consists of 6 letters & 3 digits described as follows:-

The first 3 letters (IPS) stands for Iranian Petroleum Standards.

The next letter identifies the type of the standard. It may be one of the followings:-

- C* Construction and Installation
- D* Drawing
- E* Engineering and Design
- G* General (standards containing more than one type)
- I* Periodical Inspection
- M* Material and Equipment

The next two letters refer to the field of activities as hereunder:-

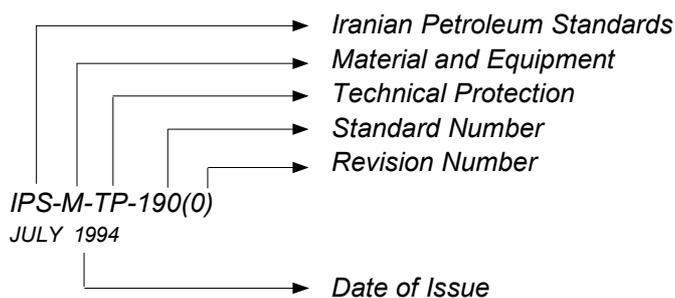
- AR* Heating, Ventilation, Air Conditioning Cooling & Refrigeration
- CE* Civil
- EL* Electrical
- GM* General Machineries
- GN* General
- IN* Instrument
- ME* Fixed Mechanical Equipment
- PI* Piping & Pipelines
- PM* Process Machineries
- PR* Process & Chemical
- SF* Safety, Fire Fighting & Environmental Pollution Control
- TC* Telecommunications
- TP* Technical Protection

And the last three numbers are the special number of each standard.

For identifying the revision, Zero within a parenthesis (0) stands for the original issue. For other revisions sequential numbers will be used.

Revision date is printed bellow the IPS Number, in Month and Year.

A sample of IPS Number and its description is shown bellow:-



STANDARD FORMS

The IPS Standards are prepared in both printed form and electronic form. The printed form of the standards are available in a covered booklet in A4 size, which shows IPS Number and Issue date on the top right corner and Title of Standard at the center of the front cover.

The electronic forms of standards are available both on PC and VAX systems. The text of standards on PC system are prepared by Word for Windows (version 6). On VAX system, the standards are prepared by using DECwrite and BRAVOIII under VMS operating system.

All Standard Drawings are available in both, hard copy and on PC system using AutoCAD software (Ver 12).

APPENDIX, ATTACHMENT AND DATA SHEET

Some standards contain Appendices and Attachments, which are intended for information and clarification.

Unless otherwise specified, the content of the appendices are part of the standard and shall be used in conjunction with the standard, but the content of the attachments shall not be considered as part of the standard.

Usually, a data sheet is attached to the end of the material standards, which indicates that for those standards either a decision is required or further information is to be provided by the purchaser, in any case for procuring the materials according to the standard, related data sheet should be completed and attached to the procurement documents.

LANGUAGE OF STANDARDS

The language of Iranian Petroleum Standards is English and there is at present no intention for their translation into Farsi.

There is however one standard "Pre-Commissioning Electrical Test" which is available in both Farsi and English.

INDEXES

The main section of this Standard, is the list of standards and standard drawings classified by subject. The aim of this approach is to provide optimum possibilities for the selection of standards interrelated by their subjects. For ease of access the standards are also listed in numerical order which is referenced to the subject index.

Both indexes are updated regularly by including new information and will be published yearly. The edition date, indicated in this index is the date of the latest edition of each standard, which may be an original or a revised standard.

Heating, Ventilation, Air Conditioning Cooling & Refrigeration

Construction

IPS-C-AR-110(0) July 1995

Construction Standard for Installation, Testing, Adjusting and Commissioning of HVAC&R Systems

Status: *Current*
Pages: 29

Engineering

IPS-E-AR-100(0) January 1996

Engineering Standard for Building Heating System

Status: *Current*
Pages: 25

IPS-E-AR-120(0) January 1996

Engineering Standard for Building Air Conditioning Systems

Status: *Current*
Pages: 50

IPS-E-AR-130(0) January 1996

Engineering Standard for Humidification & Dehumidification System

Status: *Current*
Pages: 30

IPS-E-AR-160(0) July 1995

Engineering Standard for Venting, Ventilation and Pressurizing System

Status: *Current*
Pages: 69

IPS-E-AR-180(0) July 1994

Engineering Standard for Cold Storage and Ice Plants

Status: *Current*
Pages: 69

Heating, Ventilation, Air Conditioning Cooling & Refrigeration

Material

IPS-M-AR-105(0) July 1994

Material and Equipment Standard for Boilers & Burners

Status: Current
Pages: 25

IPS-M-AR-125(0) May 1993

Material and Equipment Standard for Packaged Air Conditioners

Status: Current
Pages: 20

IPS-M-AR-130(0) March 1996

Material and Equipment Standard for Humidification & Dehumidification Unit & System

Status: Current
Pages: 25

IPS-M-AR-145(0) March 1996

Material and Equipment Standard for Field Erected Air Conditioning Systems

Status: Current
Pages: 35

IPS-M-AR-185(0) July 1994

Material and Equipment Standard for Field Erected Refrigeration System and Ice Plant

Status: Current
Pages: 50

IPS-M-AR-205(0) October 1996

Material and Equipment Standard for Fans, Filters & Air Distribution Units & Systems

Status: Current
Pages: 43

Material

IPS-M-AR-215(0) July 1995

Material and Equipment Standard for Pipes, Valves and Fittings

Status: Current
Pages: 20

IPS-M-AR-225(0) October 1996

Material and Equipment Standard for General HVAC&R Equipment

Status: Current
Pages: 57

IPS-M-AR-235(0) March 1996

Material and Equipment Standard for Insulation of HVAC&R Field

Status: Current
Pages: 28

IPS-M-AR-245(0) October 1996

Material and Equipment Standard for Room Air Conditioners (Window and Thru-the-Wall Type)

Status: Current
Pages: 16

Civil

Construction

IPS-C-CE-112(0) Dec. 1994
Amendment No. 1 Nov. 1997

Construction Standard for Earthworks

Status: *Current*
Pages: 32

IPS-C-CE-132(0) January 1996

Construction Standard for Foundations, Piles and Retaining Walls

Status: *Current*
Pages: 12

IPS-C-CE-200(0) Oct. 1996
Amendment No. 1 Dec. 1998

Construction Standard for Concrete Structures

Status: *Current*
Pages: 32

IPS-C-CE-210(0) May 1997
Amendment No. 1

Construction Standard for Steel Structures

Status: *Current*
Pages: 13

IPS-C-CE-260(0) December 1997

Construction Standard for Fireproofing

Status: *Current*
Pages: 13

IPS-C-CE-342(0) July 1997

Construction Standard for Water Supply & Sewerage Systems

Status: *Current*
Pages: 35

Construction

IPS-C-CE-355(0) October 1996

Standard for Demolition

Status: *Current*
Pages: 17

Civil

Engineering

IPS-E-CE-110(0) Dec. 1994
Amendment No. 1 May 1998

Engineering Standard for Soil Engineering

Status: *Current*
Pages: 28

IPS-E-CE-120(0) July 1995
Amendment No. 1 Dec. 1997

Engineering Standard for Foundations

Status: *Current*
Pages: 30

IPS-E-CE-130(0) May 1993
Amendment No. 1

Engineering Standard for Piles

Status: *Current*
Pages: 25

IPS-E-CE-140(0) Oct. 1996
Amendment No. 1 May 1998

Engineering Standard for Retaining Walls & Slope Protection

Status: *Current*
Pages: 29

IPS-E-CE-160(0) March 1996

Engineering Standard for Geometric Design of Roads and Streets

Status: *Current*
Pages: 11

IPS-E-CE-200(0) March 1996
Amendment No. 1 Dec. 1988

Engineering Standard for Concrete Structures

Status: *Current*
Pages: 44

Engineering

IPS-E-CE-210(0) Oct. 1996
Amendment No. 1 Dec. 1997

Engineering Standard for Steel Structures

Status: *Current*
Pages: 12

IPS-E-CE-260(0) May 1993
Amendment No. 1 Aug. 1998

Engineering Standard for Fireproofing

Status: *Current*
Pages: 24

IPS-E-CE-340(0) January 1996

Engineering Standard for Water Resources and Distribution

Status: *Current*
Pages: 19

IPS-E-CE-360(0) January 1996

Engineering Standard for Building Piping (Hot and Cold Systems)

Status: *Current*
Pages: 24

IPS-E-CE-380(0) Aug. 1993
Amendment No. 1 July 1998

Engineering Standard for Sewerage and Surface Water Drainage System

Status: *Current*
Pages: 58

IPS-E-CE-390(0) January 1996

Engineering Standard for Rain & Fuel Water Drainage of Buildings

Status: *Current*
Pages: 53

Civil

Engineering

IPS-E-CE-400(0) May 1997

Engineering Standard for Sanitary Sewage Treatment

Status: *Current*
Pages: 18

IPS-E-CE-500(0) Aug. 1993
Amendment No. 1 March. 1988

Engineering Standard for Loads

Status: *Current*
Pages: 89

General

IPS-G-CE-170(0) July 1997

Engineering and Construction Standard for Culvert Bridges and Related Structures

Status: *Current*
Pages: 7

IPS-G-CE-182(0) October 1996

Engineering and Construction Standard for Road Surfacing & Pavements

Status: *Current*
Pages: 15

IPS-G-CE-250(0) May 1997

Engineering, Construction and Material Standard for Chimneys and Stacks

Status: *Current*
Pages: 17

IPS-G-CE-270(0) July 1997

Engineering, Construction and Material Standard for Fencing & Gates

Status: *Current*
Pages: 5

IPS-G-CE-470(0) July 1995

Engineering and Construction Standard for Onshore Facilities

Status: *Current*
Pages: 37

IPS-G-CE-480(0) December 1997

Engineering and Construction Standard for Offshore Facilities

Status: *Current*
Pages: 23

Civil

Material

IPS-M-CE-105(0) December 1997

Material Standard for Building Materials

Status: Current
Pages: 116

IPS-M-CE-165(0) March 1996

Standard for Materials for Concrete Mortars and Admixtures

Status: Current
Pages: 13

IPS-M-CE-345(0) March 1996

Material Standard for Water Supply & Sewerage Equipment

Status: Current
Pages: 14

Electrical

Construction

IPS-C-EL-115(0) December 1997

Construction Standard for Electrical Installation

Status: *Current*
Pages: 7

Engineering

IPS-E-EL-100(0) December 1997

Engineering and Equipment Standard for Electrical System Design (Industrial & Non-Industrial)

Status: *Current*
Pages: 192

IPS-E-EL-110(0) December 1994

Engineering Standard for Hazardous Area

Status: *Current*
Pages: 106

IPS-E-EL-160(0) May 1997

Engineering Standard for Overhead Transmission & Distribution Lines

Status: *Current*
Pages: 22

Electrical

Inspection

IPS-I-EL-215(0) December 1997

Procedure for Initial & Periodical Inspection in Potentially Explosive Atmospheres (Hazardous Area)

Status: Current
Pages: 9

IPS-I-EL-217(0) March 1996

Inspection Standard for Precommissioning Electrical Tests

Status: Current
Pages: 70

Material

IPS-M-EL-132(0) July 1994

Material and Equipment Standard for Three Phase Squirrel Cage Induction Motors

Status: Current
Pages: 44

IPS-M-EL-136(0) May 1993

Material and Equipment Standard for Rotating Electrical Machines Direct Current Motors

Status: Current
Pages: 28

IPS-M-EL-138(0) July 1994

Material and Equipment Standard for Synchronous Generators

Status: Current
Pages: 45

IPS-M-EL-140(0) August 1993

Material and Equipment Standard for Switchgear

Status: Current
Pages: 105

IPS-M-EL-142(0) May 1993

Material and Equipment Standard for Low Voltage Industrial and Flameproof a.c. Motor Starters

Status: Current
Pages: 50

IPS-M-EL-150(0) November 1993

Material and Equipment Standard for Power Transformers

Status: Current
Pages: 37

Electrical

Material

IPS-M-EL-155(0) May 1993
Amendment No. 1 Jan. 1998

Material and Equipment Standard for Transformer Rectifiers for Cathodic Protection

Status: Current
Pages: 29

IPS-M-EL-165(0) May 1993

Material and Equipment Standard for Low Voltage Industrial and Flameproof a.c. Motor Control Centers (MCC)

Status: Current
Pages: 37

IPS-M-EL-172(0) November 1993

Material and Equipment Standard for Batteries

Status: Current
Pages: 19

IPS-M-EL-174(0) May 1993

Material and Equipment Standard for Battery Chargers

Status: Current
Pages: 33

IPS-M-EL-176(0) July 1994

Material and Equipment Standard for Uninterruptible Power Supply (UPS)

Status: Current
Pages: 35

IPS-M-EL-180(0) August 1993

Material and Equipment Standard for Power Factor Improvement Capacitor

Status: Current
Pages: 26

Material

IPS-M-EL-185(0) May 1993

Material and Equipment Standard for Industrial and Flameproof Motor Remote Control Stations

Status: Current
Pages: 36

IPS-M-EL-190(0) January 1996

Material Standard for Electrical Heat Tracing

Status: Current
Pages: 10

IPS-M-EL-220(0) May 1993

Material and Equipment Standard for Current Limiting Reactors

Status: Current
Pages: 26

IPS-M-EL-230(0) November 1993

Material and Equipment Standard for Electrical Lighting Columns

Status: Current
Pages: 17

IPS-M-EL-240(0) May 1993

Material and Equipment Standard for Low Voltage Industrial and Flameproof a.c. Switch-Fuse Assembly

Status: Current
Pages: 45

IPS-M-EL-270(0) Dec.1994
Amendment No. 1 Jan. 1998

Material Standard for Cables & Wires

Status: Current
Pages: 25

Electrical

Material

IPS-M-EL-290(0)

May 1997

Material Standard for General Electrical Items

Status: *Current*

Pages: 68

General Machineries

Inspection

IPS-I-GM-335(0) May 1997

Periodical Inspection & Testing of Elevators

Status: Current
Pages: 88

IPS-I-GM-350(0) December 1997

Periodical Inspection & Testing of Cranes

Status: Current
Pages: 19

Material

IPS-M-GM-110(0) December 1997

Material and Equipment Standard for Fork Lift Trucks

Status: Current
Pages: 14

IPS-M-GM-140(0) July 1997

Material Standard for Workshop and Wall Supported Jib Cranes and Chain Hoists

Status: Current
Pages: 8

IPS-M-GM-150(0) January 1996

Material Standard for Steel Wire Ropes for General Services

Status: Current
Pages: 23

IPS-M-GM-170(0) December 1997

Material and Equipment Standard for Hooks, Shackles, Eye Bolts and Chains

Status: Current
Pages: 21

IPS-M-GM-210(0) July 1997

Material and Equipment Standard for Conveyors

Status: Current
Pages: 73

IPS-M-GM-260(0) July 1997

Material and Equipment Standard for Pallets

Status: Current
Pages: 29

General Machineries

Material

IPS-M-GM-340(0) July 1997

Material and Equipment Standard for Mobile Cranes-Power Driven

Status: *Current*
Pages: 54

IPS-M-GM-350(0) May 1997

Material Standard for Gantry and Overhead Cranes

Status: *Current*
Pages: 11

IPS-M-GM-360(0) July 1995

Material and Equipment Standard for Offshore Cranes

Status: *Current*
Pages: 16

IPS-M-GM-365(0) March 1996

Material and Equipment Standard for Mobile Air Compressors

Status: *Current*
Pages: 20

IPS-M-GM-370(0) December 1997

Material Standard for Electric and Hydraulic Elevators

Status: *Current*
Pages: 55

IPS-M-GM-375(0) December 1997

Material and Equipment Standard for Arc Welding Equipment Machines

Status: *Current*
Pages: 27

Material

IPS-M-GM-450(0) March 1996

Material and Equipment Standard for Abrasive Air Blasting Machine

Status: *Current*
Pages: 10

IPS-M-GM-470(0) May 1997

Material and Equipment Standard for Water Blasting Equipment

Status: *Current*
Pages: 20

General

Engineering

IPS-E-GN-000(0) December 1997

General Index to Standards and Standard Drawings

Status: *Current*
Pages: 76

IPS-E-GN-100(0) August 1993

Engineering Standard for Units

Status: *Current*
Pages: 81

IPS-E-GN-120(0) December 1997

Engineering Standard for Drafting

Status: *Current*
Pages: 38

General

IPS-G-GN-180(0) December 1997

General Standard for Gas Cylinders

Status: *Current*
Pages: 21

IPS-G-GN-210(0) May 1997

General Standard for Packing and Packages

Status: *Current*
Pages: 25

General

Material

IPS-M-GN-130(0) December 1997

**Material and Equipment Standard for Fasteners
(Screws Bolts, Screw Threads, Nuts, Washers)**

Status: Current
Pages: 78

IPS-M-GN-140(0) December 1997

**Material and Equipment Standard for Rolling
Bearings**

Status: Current
Pages: 17

IPS-M-GN-170(0) December 1997

**Material and Equipment Standard for Laboratory
Glassware & Related Apparatus**

Status: Current
Pages: 39

IPS-M-GN-360(0) December 1997

Material and Equipment Standard for Hoses

Status: Current
Pages: 30

Instrument

Construction

IPS-C-IN-100(0) December 1997

Construction and Installation Standard for General Instruments Field Inspection, Calibration & Testing of Instrument and Instrument System

Status: *Current*
Pages: 31

IPS-C-IN-110(0) August 1993
Amendment No. 1

Construction Standard for Pressure Instruments

Status: *Current*
Pages: 7

IPS-C-IN-120(0) May 1993
Amendment No. 1

Construction (Installation) Standard for Temperature Instruments

Status: *Current*
Pages: 21

IPS-C-IN-130(0) July 1994
Amendment No. 1

Construction and Installation Standard for Flow Instruments

Status: *Current*
Pages: 52

IPS-C-IN-140(0) July 1994

Construction and Installation Standard for Level Instruments

Status: *Current*
Pages: 37

IPS-C-IN-160(0) July 1995

Construction and Installation Standard for Control Valves

Status: *Current*
Pages: 25

Construction

IPS-C-IN-190(0) January 1996

Installation and Construction Standard for Transmission Systems

Status: *Current*
Pages: 31

IPS-C-IN-200(0) May 1993
Amendment No. 1

Construction Standard for Instruments Air System

Status: *Current*
Pages: 32

IPS-C-IN-240(0) May 1997

Construction Standard for Measurement of Liquid Hydrocarbons Custody Transfer

Status: *Current*
Pages: 24

Instrument

Engineering

IPS-E-IN-100(0) December 1997

Engineering Standard for General Instrumentation

Status: Current
Pages: 79

IPS-E-IN-105(0) December 1997

Engineering Standard for General Instrumentation

Status: Current
Pages: 38

IPS-E-IN-110(0) August 1993

Amendment No. 1

Engineering Standard for Pressure Instruments

Status: Current
Pages: 23

IPS-E-IN-120(0) May 1993

Amendment No. 1

Engineering Standard for Temperature Instruments

Status: Current
Pages: 55

IPS-E-IN-130(0) November 1993

Amendment No. 1

Engineering Standard for Flow Instruments

Status: Current
Pages: 74

IPS-E-IN-140(0) December 1994

Engineering Standard for Level Instruments

Status: Current
Pages: 35

Engineering

IPS-E-IN-180(0) October 1996

Engineering Standard for Instrument Electrical Power Supply & Distribution Systems

Status: Current
Pages: 13

IPS-E-IN-190(0) July 1995

Engineering Standard for Transmission Systems

Status: Current
Pages: 25

IPS-E-IN-200(0) May 1993

Amendment No. 1

Engineering Standard for Instruments Air System

Status: Current
Pages: 27

IPS-E-IN-230(0) November 1993

Engineering Standard for Analytical Instruments

Status: Current
Pages: 86

IPS-E-IN-240(0) May 1997

Engineering Standard for Measurement of Liquid Hydrocarbons (Custody Transfer)

Status: Current
Pages: 53

Instrument

General

IPS-G-IN-160(0) October 1996

Engineering and Material Standard for Control Valves

Status: Current
Pages: 100

IPS-G-IN-210(0) July 1994

Engineering and Material Standard for Instrument Protection

Status: Current
Pages: 33

IPS-G-IN-220(0) July 1997

Engineering and Installation Standard for Control Center

Status: Current
Pages: 18

IPS-G-IN-230(0) December 1997

Engineering and Material Standard for Analytical Instruments (On Line Process Stream Analyzer)

Status: Current
Pages: 160

IPS-G-IN-250(0) October 1996

Engineering and Construction Standard for Distributed Control System (DCS)

Status: Current
Pages: 29

IPS-G-IN-260(0) July 1997

Engineering and Installation Standard for Indicating Lights, Alarms & Protective Systems

Status: Current
Pages: 23

General

IPS-G-IN-270(0) December 1997

General Standard for Instruments of Fire Fighting & Detection Equipment

Status: Current
Pages: 17

IPS-G-IN-290(0) October 1996

Engineering and Construction Standard for Programmable Logic Controllers (PLC)

Status: Current
Pages: 22

IPS-G-IN-300(0) December 1997

Tank Gaging Devices for Petroleum and Petroleum Product

Status: Current
Pages: 22

Instrument

Inspection

IPS-I-IN-115(0) July 1995

Periodical Inspection for Instrumentation

Status: Current

Pages: 37

Material

IPS-M-IN-100(0) December 1997

Material and Equipment Standard for General Instrumentation Factory Inspection and Testing of Instruments and Instrument system

Status: Current

Pages: 20

IPS-M-IN-110(0) May 1993

Amendment No. 1

Material and Equipment Standard for Pressure Instruments

Status: Current

Pages: 18

IPS-M-IN-120(0) May 1993

Amendment No. 1

Material and Equipment Standard for Temperature Instruments

Status: Current

Pages: 32

IPS-M-IN-130(0) November 1993

Amendment No. 1

Material and Equipment Standard for Flow Instruments

Status: Current

Pages: 43

IPS-M-IN-140(0) July 1994

Material and Quality Control Standard for Level Instruments

Status: Current

Pages: 28

IPS-M-IN-150(0) October 1996

Material and Equipment Standard for Receiving Instruments

Status: Current

Pages: 21

Instrument

Material

IPS-M-IN-190(0) January 1996

Material and Equipment Standard for Transmission Systems

Status: *Current*
Pages: 16

IPS-M-IN-200(0) May 1993

Amendment No. 1

Material and Equipment Standard for Instruments Air System

Status: *Current*
Pages: 16

IPS-M-IN-220(0) July 1997

Material Standard for Control Panels and System Cabinets

Status: *Current*
Pages: 29

IPS-M-IN-240(0) October 1996

Material Standard for Volumetric Liquid Measurement Methods (Custody Transfer)

Status: *Current*
Pages: 22

IPS-M-IN-250(0) March 1996

Material and Equipment Standard for Distributed Control System (DCS)

Status: *Current*
Pages: 37

IPS-M-IN-260(0) March 1996

Material and Equipment Standard for Alarms and Protective Systems

Status: *Current*
Pages: 16

Material

IPS-M-IN-280(0) October 1996

Material Standard for Miscellaneous Items

Status: *Current*
Pages: 44

IPS-M-IN-290(0) March 1996

Material and Equipment Standard for Programmable Logic Controller (PLC)

Status: *Current*
Pages: 35

Fixed Mechanical Equipment

Construction

IPS-C-ME-100(0) May 1993
Amendment No. 1

Construction Standard for Atmospheric Above Ground Welded Steel Storage Tanks

Status: Current
Pages: 27

IPS-C-ME-110(0) May 1993
Amendment No. 1

Construction Standard for Large Welded, Low Pressure Storage Tanks

Status: Current
Pages: 20

IPS-C-ME-120(0) May 1993

Construction Standard for Aviation Turbine Fuel Storage Tanks

Status: Current
Pages: 11

IPS-C-ME-130(0) May 1993

Engineering Standard for Pressure Storage Spheres (for LPG)

Status: Current
Pages: 13

Engineering

IPS-E-ME-100(0) May 1993
Amendment No. 1

Engineering Standard for Atmospheric Above Ground Welded Steel Storage Tanks

Status: Current
Pages: 31

IPS-E-ME-110(0) May 1993
Amendment No. 1

Engineering Standard for Large Welded Low Pressure Storage Tanks

Status: Current
Pages: 23

IPS-E-ME-120(0) August 1993

Engineering Standard for Aviation Turbine Fuel Storage Tanks

Status: Current
Pages: 11

IPS-E-ME-130(0) May 1993

Engineering Standard for Pressure Storage Spheres (for LPG)

Status: Current
Pages: 25

Fixed Mechanical Equipment

General

IPS-G-ME-150(0) January 1996

Engineering and Material Standard for Towers, Reactors, Pressure Vessels and Internals

Status: Current
Pages: 64

IPS-G-ME-160(0) May 1997

Engineering and Material Standard for Water Cooling Towers

Status: Current
Pages: 54

IPS-G-ME-170(0) December 1997

Engineering and Material Standard for Package Boilers

Status: Current
Pages: 18

IPS-G-ME-180(0) March 1996

Engineering and Material Standard for Water Tube Boilers

Status: Current
Pages: 41

IPS-G-ME-200(0) October 1996

Engineering and Material Standard for Fired Heaters

Status: Current
Pages: 28

IPS-G-ME-210(0) March 1996

General Requirements for Flares & Flare Stacks

Status: Current
Pages: 8

General

IPS-G-ME-220(0) July 1994

Engineering and Material Standard for Shell & Tube Heat Exchangers

Status: Current
Pages: 30

IPS-G-ME-230(0) November 1993

Engineering and Material Standard for Double Pipe Heat Exchanger

Status: Current
Pages: 13

IPS-G-ME-245(0) January 1996

Engineering and Material Standard for Air Cooled Heat Exchangers

Status: Current
Pages: 37

IPS-G-ME-250(0) March 1996

Material and Engineering Standard for Pressure and Vacuum Relief Devices

Status: Current
Pages: 22

IPS-G-ME-253(0) July 1997

General Requirements for Incinerators

Status: Current
Pages: 14

Fixed Mechanical Equipment

Material

IPS-M-ME-100(0) May 1993

Amendment No. 1

Material and Equipment Standard for Atmospheric Above Ground Welded Steel Storage Tanks

Status: Current

Pages: 22

IPS-M-ME-110(0) May 1993

Amendment No. 1

Material and Equipment Standard for Large Welded Low Pressure Storage Tanks

Status: Current

Pages: 17

IPS-M-ME-120(0) May 1993

Material and Equipment Standard for Aviation Turbine Fuel Storage Tanks

Status: Current

Pages: 18

IPS-M-ME-130(0) August 1993

Material and Equipment Standard for Pressure Storage Vessels and Spheres (for LPG)

Status: Current

Pages: 19

IPS-M-ME-206(0) January 1996

Material and Equipment Standard for Reformer Furnaces Including Tube and Outlet Manifolds

Status: Current

Pages: 29

IPS-M-ME-256(0) November 1993

Material and Equipment Standard for Steam Jet Ejectors

Status: Current

Pages: 17

Piping & Pipelines

Construction

IPS-C-PI-140(0) December 1997

Construction Standard for Onshore Transportation Pipelines

Status: *Current*
Pages: 70

IPS-C-PI-240(0) December 1997

Construction Standard for Plant Piping Systems

Status: *Current*
Pages: 17

IPS-C-PI-270(0) November 1993

Construction Standard for Welding of Transportation Pipeline

Status: *Current*
Pages: 39

IPS-C-PI-290(0) May 1997

Construction Standard for Welding of Plant Piping Systems

Status: *Current*
Pages: 19

IPS-C-PI-350(0) January 1996

Construction Standard for Plant Piping Systems Pressure Testing

Status: *Current*
Pages: 14

IPS-C-PI-370(0) November 1993

Construction Standard for Transportation Pipelines (Onshore) Pressure Testing

Status: *Current*
Pages: 23

Construction

IPS-C-PI-410(0) May 1997

Construction Standard for Inside Pipe Chemical Cleaning

Status: *Current*
Pages: 12

Piping & Pipelines

Engineering

IPS-E-PI-140(0) December 1997

Engineering Standard for Onshore Transportation Pipelines

Status: Current
Pages: 33

IPS-E-PI-200(0) July 1997

Engineering Standard for Flexibility Analysis

Status: Current
Pages: 14

IPS-E-PI-221(0)

Engineering Standard for Piping Material Selection (on Plot Piping)

Status: Final
Pages:

IPS-E-PI-240(0) December 1997

Engineering Standard for Plant Piping Systems

Status: Current
Pages: 57

General

IPS-G-PI-230(0) July 1997

General Standard for Strainers & Filters

Status: Current
Pages: 23

IPS-G-PI-280(0) May 1997

General Standard for Pipe Supports

Status: Current
Pages: 10

Piping & Pipelines

Material

IPS-M-PI-110(0) December 1997

Material and Equipment Standard for Valves

Status: Current
Pages: 53

IPS-M-PI-130(0) May 1993

Material and Equipment Standard for Pig Launching and Receiving Traps

Status: Current
Pages: 17

IPS-M-PI-150(0) December 1997

Material and Equipment Standard for Flanges & Fittings

Status: Current
Pages: 77

IPS-M-PI-170(0) July 1997

Material and Equipment Standard for Pigs

Status: Current
Pages: 9

IPS-M-PI-190(0) December 1997

Material and Equipment Standard for Line Pipe

Status: Current
Pages: 60

Process Machineries

Construction

IPS-C-PM-215(0) May 1997

**Construction Standard for Process Machineries
Assembling & Installation**

Status: *Current*
Pages: 11

Engineering

IPS-E-PM-100(0) July 1995

General Design Requirements of Machineries

Status: *Current*
Pages: 16

IPS-E-PM-110(0) December 1997

**Engineering Standard for Technical Evaluation of
Machineries**

Status: *Current*
Pages: 22

IPS-E-PM-120(0) May 1997

**Engineering Standard for Accessibility & Safety of
Machineries**

Status: *Current*
Pages: 16

IPS-E-PM-385(0) July 1995

Engineering Standard for Machinery Piping

Status: *Current*
Pages: 12

IPS-E-PM-400(0) July 1995

**Engineering Standard for Vendor's Data
Requirements**

Status: *Current*
Pages: 7

Process Machineries

Inspection

IPS-I-PM-305(0) July 1997

Standard for Periodical Inspection of Machineries

Status: *Current*
Pages: 21

Material

IPS-M-PM-105(0) August 1993

Material and Equipment Standard for Centrifugal Pumps for Process Services

Status: *Current*
Pages: 17

IPS-M-PM-115(0) November 1993

Material and Equipment Standard for Centrifugal Pumps for General Services

Status: *Current*
Pages: 26

IPS-M-PM-125(0) December 1994

Material and Equipment Standard for Centrifugal Fire Water Pumps

Status: *Current*
Pages: 22

IPS-M-PM-130(0) August 1993

Material and Equipment Standard for Positive Displacement Pumps Reciprocating

Status: *Current*
Pages: 16

IPS-M-PM-135(0) December 1994

Material and Equipment Standard for Light Duty Centrifugal Pumps

Status: *Current*
Pages: 15

IPS-M-PM-140(0) August 1993

Material and Equipment Standard for Positive Displacement Pumps-Rotary

Status: *Current*
Pages: 13

Process Machineries

Material

IPS-M-PM-150(0) July 1994

Material and Equipment Standard for Positive Displacement Pumps Controlled Volume

Status: Current
Pages: 7

IPS-M-PM-160(0) July 1995

Material and Equipment Standard for Positive Displacement, Oil Sealed-Rotary Vacuum Pumps

Status: Current
Pages: 21

IPS-M-PM-170(0) May 1993

Material and Equipment Standard for Centrifugal Compressors for Process Services

Status: Current
Pages: 16

IPS-M-PM-180(0) August 1993

Material and Equipment Standard for Package Integrally Geared Centrifugal Compressors for Utility and Instrument Air Services

Status: Current
Pages: 13

IPS-M-PM-190(0) November 1993

Material and Equipment Standard for Axial Flow Centrifugal Compressors

Status: Current
Pages: 19

IPS-M-PM-200(0) August 1993

Material and Equipment Standard for Reciprocating Compressors for Process Services

Status: Current
Pages: 24

Material

IPS-M-PM-210(0) July 1994

Material and Equipment Standard for Reciprocating Compressors for Utility & Instrument Air Services

Status: Current
Pages: 17

IPS-M-PM-220(0) November 1993

Material and Equipment Standard for Positive Displacement Compressor Rotary

Status: Current
Pages: 17

IPS-M-PM-230(0) November 1993

Material and Equipment Standard for Special Process Centrifugal Fans

Status: Current
Pages: 16

IPS-M-PM-235(0) December 1994

Material and Equipment Standard for General Purpose Centrifugal Fans

Status: Current
Pages: 15

IPS-M-PM-240(0) May 1993

Material and Equipment Standard for General Purpose Steam Turbines

Status: Current
Pages: 15

IPS-M-PM-250(0) August 1993

Material and Equipment Standard for Special Purpose Steam Turbines

Status: Current
Pages: 17

Process Machineries

Material

IPS-M-PM-260(0) December 1994

Material and Equipment Standard for Combustion Gas Turbines

Status: Current
Pages: 22

IPS-M-PM-270(0) July 1997

Material and Equipment Standard for Expansion Turbines

Status: Current
Pages: 49

IPS-M-PM-290(0) March 1996

Material and Equipment Standard for Reciprocating Internal Combustion Engines

Status: Current
Pages: 26

IPS-M-PM-300(0) August 1993

Material and Equipment Standard for Special Purpose Gear Units

Status: Current
Pages: 12

IPS-M-PM-310(0) August 1993

Material and Equipment Standard for Special Purpose Couplings

Status: Current
Pages: 7

IPS-M-PM-320(0) August 1993

Material and Equipment Standard for Lubrication, Shaft Sealing and Control Oil System for Special Purpose Application

Status: Current
Pages: 17

Material

IPS-M-PM-330(0) July 1994

Material and Equipment Standard for Mixers

Status: Current
Pages: 23

Process & Chemical

Engineering

IPS-E-PR-150(0) July 1997

Engineering Standard for Basic Design Package & Recommended Practice for Feasibility Studies

Status: Current
Pages: 109

IPS-E-PR-170(0) January 1996

Engineering Standard for Process Flow Diagram

Status: Current
Pages: 30

IPS-E-PR-190(0) March 1996

Engineering Standard for Layout & Spacing

Status: Current
Pages: 36

IPS-E-PR-200(0) March 1996

Engineering Standard for Basic Engineering Design Data

Status: Current
Pages: 42

IPS-E-PR-230(0) October 1996

Engineering Standard for Piping & Instrumentation Diagrams (P & IDs)

Status: Current
Pages: 110

IPS-E-PR-250(0) July 1997

Engineering Standard for Performance Guarantee

Status: Current
Pages: 29

Engineering

IPS-E-PR-260(0) December 1997

Engineering Standard for Detailed Design, Engineering & Procurement

Status: Current
Pages: 66

IPS-E-PR-280(0) December 1997

Engineering Standard for Start-Up Sequence & General Commissioning Procedures

Status: Current
Pages: 26

IPS-E-PR-290(0) January 1996

Engineering Standard for Plant Operating Manuals

Status: Current
Pages: 26

IPS-E-PR-300(0) December 1997

Engineering Standard for Plant Technical & Equipment Manuals (Engineering Dossiers)

Status: Current
Pages: 17

IPS-E-PR-308(0) March 1996

Engineering Standard for Numbering System

Status: Current
Pages: 40

IPS-E-PR-310(0) December 1997

Engineering Standard for Process Design of Water Systems

Status: Current
Pages: 59

Process & Chemical

Engineering

IPS-E-PR-330(0) November 1993
Amendment No. 1

Engineering Standard for Process Design of Production and Distribution Compressed Air Systems

Status: Current
Pages: 32

IPS-E-PR-340(0) March 1996

Engineering Standard for Process Design of Fuel Systems

Status: Current
Pages: 18

IPS-E-PR-360(0) December 1997

Engineering Standard for Process Design of Liquid & Gas Transfer & Storage

Status: Current
Pages: 49

IPS-E-PR-370(0) December 1997

Engineering Standard for Process Design of Loading & Unloading Facilities

Status: Current
Pages: 34

IPS-E-PR-380(0) December 1997

Engineering Standard for Process Design of Solids Handling Systems

Status: Current
Pages: 22

IPS-E-PR-400(0) July 1994

Engineering Standard for Process Design of Cooling Water Circuits

Status: Current
Pages: 24

Engineering

IPS-E-PR-410(0) March 1996

Engineering Standard for Process Design of Hot Oil & Tempered Water Circuits

Status: Current
Pages: 17

IPS-E-PR-420(0) January 1996

Engineering Standard for Process Design of Heat Tracing & Winterizing

Status: Current
Pages: 28

IPS-E-PR-440(0) March 1996

Engineering Standard for Process Design of Piping Systems (Process Piping & Pipeline Sizing)

Status: Current
Pages: 43

IPS-E-PR-450(0) December 1997

Engineering Standard for Process Design of Pressure Relieving Systems Inclusive Safety Relief Valves

Status: Current
Pages: 38

IPS-E-PR-460(0) July 1994

Engineering Standard for Process Design of Flare & Blowdown Systems

Status: Current
Pages: 37

IPS-E-PR-470(0) March 1996

Engineering Standard for Process Design of Emergency Measures

Status: Current
Pages: 9

Process & Chemical

Engineering

IPS-E-PR-491(0) December 1997

Engineering Standard for Process Requirements of Refinery Non-Licensed Units

Status: Current
Pages: 65

IPS-E-PR-500(0) December 1997

Engineering Standard for Process Design of LPG Recovery & Splitter Units

Status: Current
Pages: 12

IPS-E-PR-551(0) December 1997

Engineering Standard for Process Design of Gas Treating Units

Status: Current
Pages: 27

IPS-E-PR-700(0) July 1995

Engineering Standard for Process Design of Crude Oil Electrostatic Desalters

Status: Current
Pages: 14

IPS-E-PR-725(0) March 1996

Engineering Standard for Process Design of Plant Waste Water Sewer Systems

Status: Current
Pages: 54

Engineering

IPS-E-PR-730(0) December 1997

Engineering Standard for Process Design of Plant Waste Water Treatment & Recovery Systems

Status: Current
Pages: 92

IPS-E-PR-735(0) December 1997

Engineering Standard for Process Design of Plant Solid Waste Treatment & Disposal Systems

Status: Current
Pages: 38

IPS-E-PR-745(0) August 1993

Amendment No. 1

Engineering Standard for Process Design of Vacuum Equipment (Vacuum Pumps and Steam Jet Ejectors)

Status: Current
Pages: 34

IPS-E-PR-750(0) May 1997

Engineering Standard for Process Design of Compressors

Status: Current
Pages: 34

IPS-E-PR-755(0) August 1993

Amendment No. 1

Engineering Standard for Process Design of Fans and Blowers

Status: Current
Pages: 26

IPS-E-PR-771(0) July 1997

Engineering Standard for Process Requirements of Heat Exchanging Equipment

Status: Current
Pages: 42

Process & Chemical

Engineering

IPS-E-PR-775(0) July 1995

Engineering Standard for Process Design of Double Pipe Heat Exchangers

Status: Current
Pages: 9

IPS-E-PR-785(0) January 1996

Engineering Standard for Process Design of Air Cooled Heat Exchangers (Air Coolers)

Status: Current
Pages: 18

IPS-E-PR-790(0) January 1996

Engineering Standard for Process Design of Cooling Towers

Status: Current
Pages: 36

IPS-E-PR-800(0) July 1997

Engineering Standard for Process Design of Steam Boilers

Status: Current
Pages: 39

IPS-E-PR-810(0) July 1997

Engineering Standard for Process Design of Furnaces

Status: Current
Pages: 41

IPS-E-PR-830(0) December 1997

Engineering Standard for Process Design of Valves & Control Valves

Status: Current
Pages: 37

Engineering

IPS-E-PR-845(0) October 1996

Engineering Standard for Process Design of Steam Traps

Status: Current
Pages: 19

IPS-E-PR-850(0) December 1997

Engineering Standard for Process Requirements of Vessels, Reactors & Separators

Status: Current
Pages: 40

IPS-E-PR-880(0) May 1997

Engineering Standard for Process Design of Gas (Vapor) - Liquid Separators

Status: Current
Pages: 41

IPS-E-PR-895(0) July 1997

Engineering Standard for Process Design of Solid-Liquid Separators

Status: Current
Pages: 31

IPS-E-PR-905(0) December 1997

Engineering Standard for Process Design of Dryers

Status: Current
Pages: 43

Safety, Fire Fighting & Environmental Pollution Control

Construction

IPS-C-SF-242(0) December 1997

Standard for Delivery, Inspection, Quality Control & Commissioning of Fire Fighting Pumps

Status: Current
Pages: 12

IPS-C-SF-505(0) May 1997

Standard for Installation, Inspection & Testing of Fire Fighting Fixed Systems

Status: Current
Pages: 20

IPS-C-SF-507(0) July 1997

Standard for Training Facilities & Fire Fighters Qualifications

Status: Current
Pages: 11

IPS-C-SF-550(0) March 1996

Application Standard for Safety Boundary Limits

Status: Current
Pages: 13

Engineering

IPS-E-SF-100(0) August 1993

Amendment No. 1

Engineering Standard for Classification of Fires and Fire Hazard Properties

Status: Current
Pages: 26

IPS-E-SF-120(0) May 1993

Amendment No. 1

Engineering Standard for Offshore Installation Fire Fighting and Fire Protection

Status: Current
Pages: 20

IPS-E-SF-140(0) May 1993

Amendment No. 1

Engineering Standard for Foam Generating and Proportioning Systems

Status: Current
Pages: 56

IPS-E-SF-160(0) August 1993

Engineering Standard for CO₂ Gas Fire Extinguishing Systems

Status: Current
Pages: 47

IPS-E-SF-180(0) August 1993

Engineering Standard for Dry Chemical Fire Extinguishing System

Status: Current
Pages: 42

IPS-E-SF-200(0) November 1993

Engineering Standard for Fire Fighting Sprinkler Systems

Status: Current
Pages: 72

Safety, Fire Fighting & Environmental Pollution Control

Engineering

IPS-E-SF-220(0) November 1993

Engineering Standard for Fire Water Distribution and Storage Facilities

Status: Current
Pages: 32

IPS-E-SF-260(0) May 1993

Engineering Standard for Automatic Detectors and Fire Alarm Systems

Status: Current
Pages: 15

IPS-E-SF-300(0) November 1993

Engineering Standard for Application of Breathing Apparatus in Safety and Fire Fighting

Status: Current
Pages: 47

IPS-E-SF-340(0) November 1993

Engineering Standard for Fire Fighting Hose Box and/or Shelter

Status: Current
Pages: 5

IPS-E-SF-380(0) November 1993

Engineering Standard for Fire Protection in Buildings

Status: Current
Pages: 32

IPS-E-SF-400(0) July 1997

Engineering Standard for Industrial Stairs, Ladders, Platforms, and Scaffolds

Status: Current
Pages: 97

Engineering

IPS-E-SF-504(0) July 1995

Engineering Standard for Fire Fighting Vessels

Status: Current
Pages: 32

IPS-E-SF-520(0) November 1993

Engineering Standard for Fire Stations

Status: Current
Pages: 11

IPS-E-SF-860(0) July 1994

Engineering Standard for Air Pollution Control

Status: Current
Pages: 74

IPS-E-SF-880(0) May 1997

Engineering Standard for Water Pollution Control

Status: Current
Pages: 26

Safety, Fire Fighting & Environmental Pollution Control

General

IPS-G-SF-100(0) July 1994

Engineering and Equipment Standard for Fire Fighting Trucks and Pumps

Status: Current
Pages: 76

IPS-G-SF-110(0) May 1997

General Standard for Protection Against Radioactive Sealed Sources

Status: Current
Pages: 81

IPS-G-SF-126(0) October 1996

General Standard for Hand & Wheel Type Fire Extinguishers

Status: Current
Pages: 53

IPS-G-SF-130(0) December 1997

General Standard for Disposal of Solid Waste

Status: Current
Pages: 32

IPS-G-SF-140(0) March 1996

General Standard for Masks & Breathing Apparatus

Status: Current
Pages: 73

IPS-G-SF-202(0) December 1997

General Standard for Mains Water, Sprinklers, DCP, CO₂ & Foam Systems

Status: Current
Pages: 49

IPS-G-SF-240(0) October 1996

Engineering and Material Standard for Fire Fighting Pump Systems & Trailers

Status: Current
Pages: 28

General

IPS-G-SF-310(0) May 1997

General Standard for Gas Detectors

Status: Current
Pages: 26

IPS-G-SF-340(0) May 1997

General Standard for Ancillary and Miscellaneous Safety and Fire Equipment

Status: Current
Pages: 40

IPS-G-SF-345(0) October 1996

General Standard for Safety Belts

Status: Current
Pages: 26

IPS-G-SF-355(0) October 1996

General Standard for Safety Portable Ladders

Status: Current
Pages: 64

IPS-G-SF-440(0) May 1997

General Standard for Fire Protection in General & Explosive Stores

Status: Current
Pages: 48

IPS-G-SF-460(0) December 1997

First Aids & Sanitation

Status: Current
Pages: 65

Safety, Fire Fighting & Environmental Pollution Control

General

IPS-G-SF-503(0) October 1996

**General Standard for Delivery-Commissioning,
Preventive Maintenance of Fire Fighting Trucks**

Status: Current
Pages: 16

IPS-G-SF-540(0) December 1997

**General Standard for Safety & Fire Training Centers
Fire Station Facilities**

Status: Current
Pages: 22

IPS-G-SF-860(0) July 1997

General Standard for Air Pollution Control

Status: Current
Pages: 36

IPS-G-SF-870(0) December 1997

General Standard for Soil Pollution Control

Status: Current
Pages: 62

IPS-G-SF-880(0) December 1997

General Standard for Water Pollution Control

Status: Current
Pages: 35

IPS-G-SF-900(0) December 1997

General Standard for Noise Control and Vibration

Status: Current
Pages: 30

Material

IPS-M-SF-105(0) March 1996

**Material and Equipment Standard for Valves, Reels,
Hoses, Nozzles and Monitors for Fire Fighting**

Status: Current
Pages: 89

IPS-M-SF-142(0) March 1996

**Material and Equipment Standard for FLC-Foam
Proportioners Generators and Twin Agents**

Status: Current
Pages: 43

IPS-M-SF-325(0) July 1997

**Material and Equipment Standard for Personnel
Safety and Fire Fighters Protective Equipment**

Status: Current
Pages: 165

IPS-M-SF-455(0) October 1996

**Material and Equipment Standard for Fire Blanket-Fire
Fighters Suits (Fire-Proof Types) Fire-Resisting
Curtain & Shields**

Status: Current
Pages: 20

IPS-M-SF-504(0) March 1996

**Material and Equipment Standard for Fire-Fighting
Vessels**

Status: Current
Pages: 12

Technical Protection

Construction

IPS-C-TP-101(0) January 1996

Construction Standard for Surface Preparation

Status: Current
Pages: 124

IPS-C-TP-102(0) January 1996

Construction Standard for Painting

Status: Current
Pages: 78

IPS-C-TP-274(0) December 1997

Construction Standard for Coating

Status: Current
Pages: 36

IPS-C-TP-352(0) December 1997

Construction Standard for Lining

Status: Current
Pages: 119

IPS-C-TP-701(0) December 1997

Construction Standard for Application of Thermal Insulation

Status: Current
Pages: 85

IPS-C-TP-742(0) December 1997

Construction Standard for Corrosion Consideration During Fabrication & Installation

Status: Current
Pages: 78

IPS-C-TP-820(0) December 1997

Construction Standard for Electrochemical Protection (Cathodic & Anodic)

Status: Current
Pages: 97

Engineering

IPS-E-TP-100(0) July 1994

Engineering Standard for Paints

Status: Current
Pages: 75

IPS-E-TP-270(0) December 1997

Engineering Standard for Coatings

Status: Current
Pages: 32

IPS-E-TP-350(0) December 1997

Engineering Standard for Linings

Status: Current
Pages: 96

IPS-E-TP-700(0) January 1996

Engineering Standard for Thermal Insulations

Status: Current
Pages: 85

IPS-E-TP-740(0) December 1997

Engineering Standard for Corrosion Consideration in Material Selection

Status: Current
Pages: 94

IPS-E-TP-760(0) December 1997

Engineering Standard for Corrosive Consideration in Design

Status: Current
Pages: 214

Technical Protection

Engineering

IPS-E-TP-780(0) December 1997

Engineering Standard for Chemical Control of Corrosive Environments

Status: Current
Pages: 148

IPS-E-TP-820(0) December 1997

Engineering Standard for Electrochemical Protection (Cathodic & Anodic)

Status: Current
Pages: 110

General

IPS-G-TP-335(0) December 1997

Material and Construction Standard for Three Layer Polyethylene Coating System

Status: Current
Pages: 26

Technical Protection

Inspection

IPS-I-TP-802(0) December 1997

Inspection Standard for Corrosion Survey & Inhibitor Evaluation

Status: *Current*
Pages: 59

IPS-I-TP-820(0) December 1997

Inspection Standard for Monitoring Cathodic Protection Systems

Status: *Current*
Pages: 119

Material

IPS-M-TP-105(0) May 1993

Amendment No. 1

Material and Equipment Standard for Asphalt Mastic (Cold Applied)

Status: *Current*
Pages: 9

IPS-M-TP-110(0) May 1993

Amendment No. 1

Material and Equipment Standard for Vinyl Paint (Aluminum) as Intermediate and Top Coat (Finish)

Status: *Current*
Pages: 8

IPS-M-TP-115(0) May 1993

Amendment No. 1

Material and Equipment Standard for Red Lead, Iron Oxide, Raw Linseed Oil and Alkyd Primer

Status: *Current*
Pages: 8

IPS-M-TP-120(0) May 1993

Amendment No. 1

Material and Equipment Standard for Red Lead, Iron Oxide and Alkyd Intermediate Paint

Status: *Current*
Pages: 8

IPS-M-TP-125(0) May 1993

Amendment No. 1

Material and Equipment Standard for White Alkyd Paint for Top Coat (Finish)

Status: *Current*
Pages: 8

IPS-M-TP-130(0) May 1993

May 1993

Material and Equipment Standard for Colored Alkyd Paint for Top Coat (Finish) Except White

Status: *Current*
Pages: 9

Technical Protection

Material

IPS-M-TP-135(0) May 1993

Material and Equipment Standard for Chlorinated Rubber Paint for Top Coat

Status: Current
Pages: 8

IPS-M-TP-140(0) August 1993

Material and Equipment Standard for Chlorinated Rubber Paint for Intermediate Coat

Status: Current
Pages: 9

IPS-M-TP-145(0) November 1993

Material and Equipment Standard for Chlorinated Rubber Inhibitive Primer

Status: Current
Pages: 10

IPS-M-TP-150(0) August 1993

Material and Equipment Standard for Alkyd Paint (Aluminum) Leafing as Top Coat (Finish)

Status: Current
Pages: 8

IPS-M-TP-155(0) August 1993

Material and Equipment Standard for Alkyd Paint (Aluminum) Non - Leafing as Intermediate

Status: Current
Pages: 9

IPS-M-TP-160(0) August 1993

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