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GIS 18-012

Storage and Control of Welding Consumables

Group Instruction for Supply

**BP GROUP
ENGINEERING TECHNICAL PRACTICES**

Foreword

This issue of Engineering Technical Practice (ETP) GIS 18-012 includes the following revisions:

- a. Reference to recently published BP GIS documents.
- b. Addition of a number of relevant EN standards as normative references.
- c. Some minor corrections, modifications, and improvements to the text.

The location of these revisions is identified by a bar in the margin of the document.

This Group Instruction for Supply (GIS) is a republication of GP 18-02 and is based on the BP heritage GS 118-4.

This GIS provides BP requirements for the storage and control of welding consumables. While this GIS is not based on any specific standard, it should be used for all work involving welded construction. This GIS should be used to supplement individual project fabrication specifications and other BP GP/GIS (Group Practice/Group Instruction for Supply) documents related to welded construction.

The fundamental requirement of BP is that appropriate welding consumables should be used for all welded constructions and that these consumables should be maintained in pristine condition until required for welding.

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1. Scope

- a. This GIS provides BP requirements for receipt, storage, and control of welding consumables held under shop and site conditions.
- b. This GIS is applicable to all welded construction.
- c. This GIS is used to supplement individual project fabrication specifications and may be used in conjunction with any relevant design code.
- d. The principal objectives of this GIS are to:
 1. Prevent damage or deterioration of welding consumables at all stages from receipt through to welding.
 2. Provide a high level of assurance that the specified consumables are used in the welding of any given joint.

2. Normative references

The following referenced documents may, to the extent specified in subsequent clauses and normative annexes, be required for full compliance with this GIS:

- For dated references, only the edition cited applies.
- For undated references, the latest edition (including any amendments) applies.

BP

GIS 18-011	Welded Fabrication and Construction.
GIS 36-103	Positive Material Identification (PMI).

American Society of Mechanical Engineers (ASME)

ASME SFA 5 Series	Filler Metal Specifications.
ASME SFA 5.01	Filler Metal Procurement Guidelines.

American Welding Society (AWS)

AWS A4.3	Standard Methods for Determination of the Diffusible Hydrogen Content of Martensitic, Bainitic, and Ferritic Steel Weld Metal Produced by Arc Welding.
AWS A5 series	Filler Metal Specifications.
AWS A5.01	Filler Metal Procurement Guidelines.

European Standard (EN)

EN 10204	Metallic products -Types of inspection documents.
EN 12074	Welding consumables. Quality requirements for manufacture, supply and distribution of consumables for welding and allied processes.

International Organization for Standardization (ISO)

ISO 9001	Quality management systems - Requirements.
ISO 3690	Welding and allied processes - Determination of hydrogen content in ferritic steel arc weld metal.

