



Exploration & Production

## GENERAL SPECIFICATION

### ELECTRICAL

#### GS EP ELE 374

#### Construction site electrical installations

|      |         |                                            |
|------|---------|--------------------------------------------|
|      |         |                                            |
|      |         |                                            |
|      |         |                                            |
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Owner: DEV/TEC

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## 1. Scope

This specification covers the minimum requirements imposed by Company for safety of workers against electric shocks during construction at Contractor's yard for topsides, FPSO hull, and at onshore sites during plant construction.

This specification concerns electrical equipment used on a construction site as electric drill, welding machine, distribution board assembly, temporary lighting, etc., as well as main electrical

## 2. Reference documents

The reference documents listed below form an integral part of this General Specification. Unless otherwise stipulated, the applicable version of these documents, including relevant appendices and supplements, is the latest revision published at the EFFECTIVE DATE of the CONTRACT.

Electrical installations and equipment shall conform to the appropriate sections of the latest editions (with amendments) of the IEC standards and codes.

The following order of precedence shall apply:

- Applicable laws, rules and regulations of the country in which the construction site facilities are located
- This Specification
- Applicable International Electrotechnical Commission (IEC) standards.

### Standards

| Reference             | Title                                                                                                                           |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------|
| IEC 60038             | IEC Standard Voltages                                                                                                           |
| IEC 60050             | International Electrotechnical Vocabulary                                                                                       |
| IEC 60059             | IEC Standards current ratings                                                                                                   |
| IEC 60245-4           | Rubber insulated cables – Rated voltages up to and including 450/750 V – Part 4: Cords and flexible cables                      |
| IEC 60364 (All parts) | Electrical installations of buildings - (All parts)                                                                             |
| IEC 60439-4           | Low-voltage switchgear and controlgear assemblies – Part 4: Particular requirements for assemblies for construction sites (ACS) |
| IEC 60529             | Degrees of protection provided by enclosures (IP Code)                                                                          |
| IEC 61200-704         | Electrical installation guide - Construction and demolition site installations                                                  |

### Professional Documents

| Reference      | Title |
|----------------|-------|
| Not applicable |       |