Contents

1 Subject of specification 2
2 Scope of validity 2
2.1 Deviations 2
3 Description 2
4 Relevant documents 3
5 Norms and standards 3
6 Enclosures 3
7 Record of changes 4

This document is the property of Grupa LOTOS SA.. Coping and giving it to other are forbidden without express written authority by Grupa LOTOS SA

1 Subject of specification

This specification used in conjunction with other technical specifications of LOTOS Group S.A. establishes the minimum requirements for typical mounting examples for motor, lighting and earthing installation.

2 Scope of validity

This specification applies to the preparation of tender documents, inquiries and contracts concerning new investments and modernization projects planned by LOTOS Group S.A.

It shall also be a basis for preparing both detailed specifications and inquiries for individual or package unit supplies.

The Contractor is independently responsible for selection of equipment and materials to be purchased on the basis of technical design particularly in relation to instruments and equipment made in explosion – proof execution

2.1 Deviations

including proposals, which the bidder claims to be economically and / or technically superior solutions must be submitted in writing for review and approval by Grupa LOTOS SA. Non-approved exceptions are not acceptable by Grupa Lotos S.A.

The supplier must report in writing any ambiguity in this or any other specifications of Grupa LOTOS SA or non-compliance with the referred documents / standards and obtain a written explanation from Grupa Lotos SA.

3 Hierarchy of documents

In case of conflicts existing between this specification and other documents, the following order of precedence shall govern:

- The current Polish legislation
- Terms of purchase order/contract and other requirements agreed in writing with GL SA
- Data Sheets approved by GL SA
- This Specification
- Other Specifications
- Drawings and other documents
- Standards

4 Description

This specification contains drawings showing mounting examples worked out for Grupa Lotos S.A., which will be applied for preparation of documentation for new or modernized installations belonging to the refinery. Detail list of standards for respective group of mounting examples is placed on the first page of relevant attachment given in item 6.

5 Relevant documents

Any "Technical Specification" issued by GRUPA LOTOS S.A. listed in Contract Files.

6 Codes and standards

Norms and standards shall be adequate for specifications given in item 4.

7 Enclosures

- Attachment No 1 – Mounting Examples for Earthing (19 sheets)
- Attachment No 2 – Mounting Examples for Motor Installations (21 sheets)
- Attachment No 3 – Mounting Examples for Lighting Installations (15 sheets)

8 Record of changes

No.	Date	Description	Introduced by
0		This specification entirely replaces the former LOTOS Group S.A. standard No. PR 07 480 with the same title.	J.Bućko
1	30-11-2013 (rev.1)	Review, update, standardize and changes to the Standard within scope of order No. OK/990/2012	Editorial board coordinated by T.Wróbel
-	31-08-2015	Page layout corrections, no content changes.	T. Wróbel