

Lloyd's Register EMEA

National Electricity Registration Scheme

This is to certify that

Electricity Distribution Engineering Services Ltd

has been awarded Full Accreditation against the above noted scheme.
This accreditation enables the client to undertake the following work activities:

Design: LV Cable Networks

This scope of approval includes the assessment of the following systems and processes:
Human Resources and Training, Document, Contract and Change Control, Control of Work, Health,
Safety and Environment, Procurement, Storage and Equipment.

This Approval is subject to:

The requirements set out in the NERS Requirements Document

Periodic Surveillance Assessments

Any sub-contractor employed on such works must be accredited.

Approval Number PRJ1109987809F

Date of Issue 24/01/2019

Date of Expiry 31/01/2022



Paul Costelloe

Senior Assessor - Utilities

Lloyd's Register EMEA

A subsidiary of Lloyd's Register Group Limited



Lloyd's Register EMEA Utilities Group

NERS Registration Scheme

Full Evaluation of: Electricity Distribution Engineering Services Ltd

ICP Reference No: PRJ1109987809-2

Date: 24th January 2019 Report No EL03/01F

| | |
|----------------------|--|
| Company Name: | Electricity Distribution Engineering Services Ltd (EDES Ltd) Yew Tree Office, 55 Bridgewater Rd Mosley Common Worsley M28 1AD |
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| Contact Name: | Roy Smith |
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| Telephone Numbers: | 07931 306506 |
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| E-mail: | roy.smith@edesltd.com |
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|---------------------------|---|
| Evaluation Date/s: | Office visit 21 st January 2019 and additional document review 24 th January 2019 |
|---------------------------|---|

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|-----------------------------------|-----------|
| Evaluation carried out by: | Dave Ball |
|-----------------------------------|-----------|

Accreditation scopes requested:
Design of electrical networks in the following categories:
LV Cable Networks

Areas of work assessed in this evaluation:
EDES Ltd have requested that LV Design is added to the existing design scopes that they hold for substations, cable and overhead networks they currently hold at Full Accreditation.

Design of electrical networks in the following categories:
LV Cable Networks

Description of project being done and actual work being assessed

| Sites Visited | Work witnessed |
|-----------------|--|
| Company Offices | Design procedures, processes and systems for LV Design Reviews of various completed LV Designs submitted to ENWL, PG and UKPN for Design Approval |

ICP personnel (including consultants) providing input into the assessment

Roy Smith, Commercial Manager
Paul Riley, Project Engineer

| | |
|---|---|
| Prepared: Dave Ball | Reviewed & Approved for issue by: Paul Costelloe |
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Section 1.0: SUMMARY FINDINGS

This summarises the number of deficiencies identified within each section of the report:

| Section Ref | | Major Deficiencies | Minor Deficiencies |
|-------------|-----------------------------------|--------------------|--------------------|
| 2 | ICP Responsibilities | 0 | 0 |
| 3 | Scopes | | |
| | 3.1 Design | 0 | 0 |
| | 3.2 Project Management | | |
| | 3.3 Construction | | |
| 4 | Role Competency Requirements | 0 | 0 |
| 5 | Sub-contracted Work | 0 | 0 |
| 6 | Methods of Working | 0 | 0 |
| 7 | Work Issue and Control | 0 | 0 |
| 8 | Supporting Systems and Procedures | 0 | 0 |

SECTION 2: ICP RESPONSIBILITIES

| | | Compliant | |
|---|--|-----------|---|
| | | Y | N |
| 2(a) | ICP has closed out any deficiencies identified at the Partial assessment stage (in all sections of the report) | ✓ | |
| 2(b) | ICP has complied with operational requirements of a Partial accreditation | ✓ | |
| 2(c) | Work being done falls within scope of Partial accreditation | ✓ | |
| 2(d) | ICP has assessed risk for maintaining ongoing accreditation and has appropriate control measures in place | ✓ | |
| <u>Comments</u> | | | |
| 2(a) EDES Ltd have no outstanding deficiencies. | | | |
| A | Major Deficiencies Identified: None | | |
| B | Minor Deficiencies Identified: None | | |

SECTION 3 - SCOPE SPECIFIC REQUIREMENTS

SECTION 3.1: DESIGN SCOPE SPECIFIC REQUIREMENTS

| | |
|---|-----------|
| Note - See Section 6 for detailed workflow process requirements | Compliant |
|---|-----------|

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| | | Y | N |
|--------|---|---|---|
| 3.1(a) | Required design organisation is in place | ✓ | |
| 3.1(b) | Design work undertaken to procedure which specifies work to the requirements of the adopting utility | ✓ | |
| 3.1(c) | All necessary approvals, planning and consents are obtained | ✓ | |
| 3.1(d) | Output of design process is a plan and accompanying documentation that fully specifies the work to be constructed | ✓ | |
| 3.1(e) | Only work for which the assigned designer is competent is being done | ✓ | |
| 3.1(f) | Designs reviewed as required by design procedure | ✓ | |
| 3.1(g) | Designs documented and records kept (which include both inputs and outputs of the design process). | ✓ | |

Comments

3.1(a) EDES Ltd have a suitable company structure and organisation in place that covers the design work that they undertake for themselves and other NERS accredited ICPs.
 3.1(b) The LV network designs that were reviewed as part of this assessment were in accordance with the adopting DNO and IDNO requirements
 3.1(d) EDES Ltd produce a comprehensive design package that includes suitable plans, reports and adopting company's paperwork.
 3.1(e) The designers utilised by EDES Ltd are assigned work based on their competency.
 3.1(f) The LV designs reviewed as part of this assessment followed the company's design procedure "Design Process EDES 02.1"

A Major Deficiencies Identified: None

B Minor Deficiencies Identified: None

SECTION 4: ROLE COMPETENCY REQUIREMENTS

| | | Compliant | |
|------|--|-----------|---|
| | | Y | N |
| 4(a) | Competency assessment of all staff done | ✓ | |
| 4(b) | Training programme and interim arrangements in place to cover any role where competency deficiencies identified | ✓ | |
| 4(c) | Personnel engaged in the following activities satisfy scope specific competency requirements - design | ✓ | |
| 4(d) | Where required a technical advisor with the required level of competency is in place and is actively supporting the delivery process | ✓ | |

Comments

4(a) EDES Ltd were able to provide copies of the competency assessment for the designers utilised for LV design works
 4(c). The design staff meet the competency requirements outlined for designers

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4(d). EDES Ltd do not require the services of a Technical Advisor. The company employs a large number of very experienced DNO design and construction engineers. As such they have all the requisite technical expertise within their company.

A Major Deficiencies Identified: None

B Minor Deficiencies Identified: None

SECTION 5: SUB CONTRACTED WORK

| | | Compliant | |
|------|---|-----------|---|
| | | Y | N |
| 5(a) | Any 'labour only' subcontractors (on all scopes of work) have been assessed in accordance with the ICP competence regime. | ✓ | |
| 5(b) | Any work done by ground workers is to specification | ✓ | |

Comments

EDES Ltd utilise labour only subcontractors, Fergusson Johnson Ltd, to undertake design work. The company have suitable systems and procedures in place to assess the competency of the company and individual designers to meet the schemes requirements

A Major Deficiencies Identified: None

B Minor Deficiencies Identified: None

SECTION 6: METHODS OF WORKING

| | | Compliant | |
|------|--|-----------|---|
| | | Y | N |
| 6(a) | Method statements are available to operatives which fully detail the work being done | ✓ | |
| 6(b) | Method statements are current and have been reviewed by the Technical Advisor | ✓ | |
| 6(c) | Where necessary additional instruction and guidance available to operatives to supplement method statements. | ✓ | |
| 6(d) | Generic and/or project specific and site-specific risk assessments have been completed and communicated to all staff | ✓ | |
| 6(e) | Work being done to specification and as directed by method statements | ✓ | |

Comments

6(a) The company have amended their standard design procedure to accommodate LV Design. The revised procedure is in the EDES' document: "Design Process EDES 02.1"

6(b) The revised design procedure to cover LV Designs have been reviewed by the company's directors and signed off as being suitable.

6(e) TH LV design work reviewed as part of this assessment was completed to the required DNO and IDNO specifications and as directed by the EDES design procedure

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|----------|--|
| A | Major Deficiencies Identified: None |
| B | Minor Deficiencies Identified: None |

SECTION 7: WORK ISSUE AND CONTROL

| | | Compliant | |
|--|---|------------------------------|---|
| | | Y | N |
| <i>Note – not all of the following are required for some scopes</i> | | | |
| 7(a) | Work being undertaken has been managed in accordance with the established work control and management procedures | ✓ | |
| 7(b) | Notice and communication arrangements meet the requirements of the adopting utility company. | ✓ | |
| 7(c) | Work instructions clearly describe the full extent of the work to be carried out including layout and, as necessary, specification. | ✓ | |
| 7(d) | ICP has adequate resources for the work being done and schedules the work in accordance with a defined process | ✓ | |
| 7(e) | Site supervision arrangements are adequate | Not relevant to Design Scope | |
| 7(f) | Operatives are clear about what constitutes a variation and any variations have been managed in accordance with stated procedure. | ✓ | |
| 7(h) | Work completion and adoption of assets is being done in accordance with procedure and to adopting utility requirements | ✓ | |
| 7(i) | Sufficient equipment is available for the work being done and that, as required, this equipment is maintained and kept in calibration | Not relevant to Design Scope | |
| 7(j) | Materials goods and services have been procured in accordance with procedures | | |
| 7(k) | Goods receipt processes ensure receive goods comply with purchase requisition and specification. | | |
| <i>Note –also see Scope Specific Requirements Section for detailed requirements relating to each scope</i> | | | |

Comments

The design work meets all the requirements of the scheme outlined above.

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| A | Major Deficiencies Identified: None |
| B | Minor Deficiencies Identified: None |

SECTION 8: SUPPORTING SYSTEMS AND PROCEDURES

| | | Compliant | |
|------|---|-----------|---|
| | | Y | N |
| 8(a) | Audit arrangements in place and meet scheme requirements | ✓ | |
| 8(b) | Documents in use are controlled and adequate records are kept | ✓ | |
| 8(c) | Where needed technical standards have been accessed and used | ✓ | |

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| | | | |
|------|--|---|--|
| 8(d) | Quality and safety arrangements meet scheme requirements | ✓ | |
| 8(e) | Human Resource systems and any recruiting arrangements meet scheme requirements | ✓ | |
| 8(f) | Training requirements satisfied with inductions held for new starters and any personnel starting 'competitive' work for the first time | ✓ | |

Comments

The designs are produced in a standard format.

The designs reviewed met the technical requirements of the adopting DNOs (ENWL and NPG) and IDNO (ESP). The design had been approved by ENWL, NPG and ESP.

A Major Deficiencies Identified: None

B Minor Deficiencies Identified: None

SECTION 9: CONCLUSIONS AND RECOMENDATIONS

Electricity Distribution Engineering Services Ltd have demonstrated a high degree of competency and professionalism in producing contestable designs for adoption by host Distribution Network Operators and Independent Distribution Network Operators.
The design organisation they have in place adequately meets the requirements of the scheme. As such it is recommended that the LV Design scopes indicated below are awarded at full accreditation and added to the company's accreditation.

Recommended Scope:

The addition of the following Scopes at **FULL Accreditation**:
Design of electrical networks in the following categories:
LV Cable Networks

EDES Ltd also hold the following Scopes at **FULL Accreditation**:

Design of electrical networks in the following categories:
HV overhead networks at all voltages up to and including 132 kV
HV cable networks at all voltages up to and including 132 kV
Substation layouts at all voltages up to and including 132 kV

The following Scope to remain at **PARTIAL Accreditation**
Self-determination of Points of Connection (PoC) at all voltages up to and including 132 kV

National coverage of accreditation

The existing surveillance visit programme is sufficient to include the addition of these scopes

References

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Scheme Requirements Document

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