

The Voice of the Networks



**Energy
Networks
Association**

**ENA EREC S36 Issue 2 2018
Revision Summary**

Identification and recording of 'hot' sites - joint procedure for Electricity Industry and Communications Network Providers

PURPOSE

EREC S36 sets out the requirements for the exchange of information between the Electricity Industry (EI) and Communications Network Providers (CNPs), in respect of rise of earth potential at substations

SCOPE

- Notification of CNP of substations or plant which may experience a short time rise of earth potential (ROEP) in excess of 430 V or 650 V r.m.s.
- Brief explanation of 'hot' zones
- Some good practice guidance for distribution secondary substations
- Covers generation, transmission and distribution electricity licensees

HISTORY

- First published in 2007
- Minor revision in 2018

Summary of Amendments

- Document title amended (removed reference to British Telecom)
- Clarified that mobile phone base stations are outside the scope of S36 and are covered by EREC G78
- Normative references updated
- Updated terms and definitions now captured
 - Communication Network Provider (CNP)
 - 'hot' site/zone
 - plant
 - fixed-line

Nature of Revision

Minor revision

Key Points

No major technical changes

Changes to document circulated with the ENA Standards Leaders, ENA Earthing Co-ordination Group, and with BT/Openreach, for their review and comment.

Details of all amendments can be found in the accompanying 'Document Amendment Summary'

Who is affected and why?

- Staff for ENA Member Companies who manage details of ‘hot’ sites.
- Staff for ENA Member Companies who are involved in the design and planning of future electricity sites.
- Staff carrying out design work on behalf of an independent connection provider (ICP)

(To ensure they re-familiarise themselves with the requirements to maintain a schedule of ‘hot’ sites, and to exchange information regarding these sites with CNPs on request)

- Staff for Communication Network Providers (CNPs) who manage details of the communication network infrastructure which is susceptible to rise of earth potential above acceptable limits.

(To ensure they re-familiarise themselves with the requirements to maintain a schedule of ‘hot’ sites, and to exchange information regarding these sites with CNPs on request)

Impact Assessment of Changes to EREC S36

Rating Categories	Rating	Assessment
Nil	Nil	
Negligible	Nil	
Minor	Nil	
Moderate	Nil	
Major	Nil	
	Nil	
	Nil	
	Nil	
	Nil	
	Negligible	Requirements to share information re-clarified
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The latest issue of the document is available from the ENA Engineering Catalogue via www.energynetworks.org. Further information can be obtained from ENA by emailing david.spillett@energynetworks.org