

**The Voice of the Networks**



**Energy  
Networks  
Association**

**ENA EREC G80 Issue 3 2017  
Revision Summary**

## Recommendations for the safe working of utilities' staff and other parties near light rapid transit systems

### PURPOSE

EREC G80 sets out recommendations for utilities' staff to avoid the specific dangers from working on or near Light Rapid Transit (LRT) systems (e.g. trams that run on public highways)

### SCOPE

- Applies to ENA Member Company staff and their contractors
- Covers utility work on or near LRT systems
- Recommends safety guidelines to avoid Danger
- Addresses hazards from moving trams, electrified conductors (rails and overhead conductors)

### HISTORY

- First published in 2002
- Minor revision in 2012
- Refreshed in 2017

## Summary of Amendments

- New reference to Chapter 12 of New Roads & Streetworks Act (NRSWA) & HSG47
- New recommendations for design:
  - Diversion of existing utility cables for proposed LRT Systems
  - Planning alternative safe routes for pedestrians/vehicles for utility works
- Notification of LRT Operator before using portable traffic signals at/near road crossing points
- Approach distance from LRT overhead line equipment (OLE) changed from 1 m to 3 m

## Nature of Revision

**'Cosmetic' revision - Refresh**

## Key Points

**No major technical changes**

**Normative references updated**

**Revision overseen by ENA SHE Managers Group**

**ENA Member Company guidance that supports LRT Operator requirements**

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

## Who is affected and why?

- Staff and Contractors
- Planning & Connections staff
  - Planners and connections staff need to plan safe access for installation, maintenance and repair of new and existing utilities equipment near LRT systems
- Operations staff
  - Recommendations for avoiding danger when carrying out cable work on/near LRT Systems, e.g. tram systems
- Staff carrying out excavations and road signing according to NRSWA

**ENA Member Companies with LRT Systems in their licence areas should:**

**- review the adequacy of their own policies, standards and procedures in light of this revision**

**- brief relevant staff and contractors who plan or carry out utility operations on or in vicinity of LRT Systems**

The use of this EREC should in no way weaken or undermine the requirements of the Utilities' or Other Parties' own safety guidelines, or those of the LRT Operator.

## Impact Assessment of Changes to G80

Rating Categories	Rating	Assessment
Minor	Minor	Minor changes to safety guidance from 2012 revision
Nil	Nil	
Negligible	Nil	
Minor	Nil	
Moderate	Nil	
Major	Negligible	Statutory requirements are still current - no significant changes
	Negligible	ENA Member Companies are aligned with LRT industry requirements

The latest issue of the document is available from the ENA Engineering Catalogue via [www.energynetworks.org](http://www.energynetworks.org). Further information can be obtained from ENA by emailing [david.spillett@energynetworks.org](mailto:david.spillett@energynetworks.org)