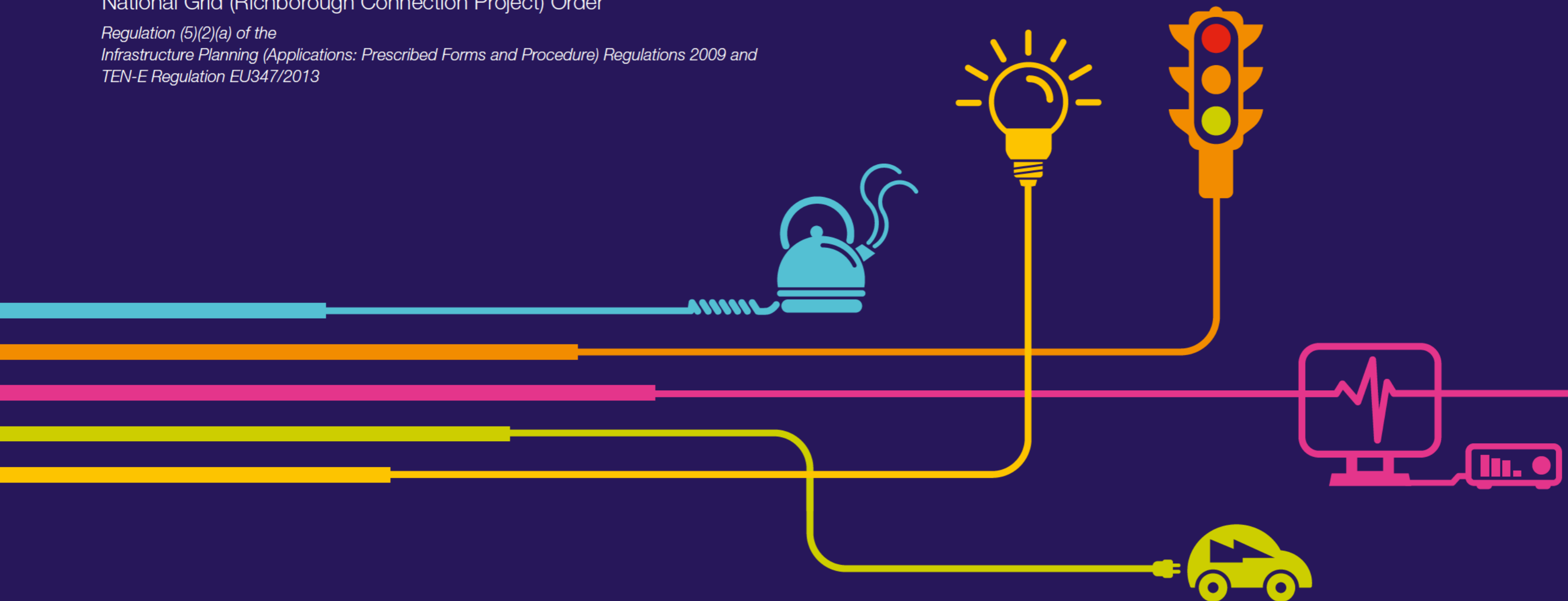


# 5A Certificate of Conformity

National Grid (Richborough Connection Project) Order

*Regulation (5)(2)(a) of the  
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 and  
TEN-E Regulation EU347/2013*



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# **Richborough Connection Project**

## **Volume 5**

### **5.4 Environmental Statement Appendices**

#### **5.4.5A Certificate of Conformity**

National Grid  
National Grid House  
Warwick Technology Park  
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Final

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04/01/16	1	Final	1 <sup>st</sup> Issue

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Technical Certificate 05R110 issued by  
Hursley EMC Services Ltd

*Appointed by the Secretary of State for Trade and Industry  
as a UK EMC Competent Body*



**HURSLEY  
EMC  
SERVICES**

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## TECHNICAL CERTIFICATE

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**PRODUCT TITLE: NGT Electricity Transmission Network**

**MANUFACTURED BY: National Grid Transco (NGT) plc**

**Manufacturers Address:** NGT House, Warwick Technology Park, Gallows Hill,  
Warwick CV34 6DA UK

**Applicants Name:** Mr Jon Carlton, of NGT plc.

**Product Description:** The NGT Electricity Transmission Network (consisting of some 14,000 Km of high voltage supply lines) is the high voltage electricity transmission system in England and Wales.

**Technical Statement:** The Technical Construction File (TCF), "NGT Electricity Transmission Network" (dated 2005), describes the general construction, conformity procedures and EMC test rationale for the Electricity Network. This Technical Construction File, in so far as is technically viable, is based on testing to international standards, specifically EN50121-2:2000 and CISPR 18 for emissions. These standards were used as the most suitable guide for the emissions testing in lieu of any other practical or harmonized product related standards. Given the size of the equipment, testing was performed in-situ at several representative sites and is therefore an approximation to the standards. The results of the tests applied and described in the test reports along with the EMC detail supplied in the TCF indicate that the product complies with the standards. Taking into consideration the technical rationale provided in the TCF and the results of the site measurement reports, Hursley EMC Services is satisfied the TCF does demonstrate compliance with the essential protection requirement of EC Directive 89/336. NGT operates a certified ISO 9001 quality management system covering both the operation and installation procedures for the Electricity Network. Due to its size and nature along with quality procedures used for installations the NGT Electricity Transmission Network would seem inherently immune to normal EMC phenomena.

This route to compliance with respect to the provisions of EC Directive 89/336 is in accordance with section 42(c) of the UK Statutory Instrument 1992 No 2372 (The Electromagnetic Compatibility Regulations). This application and certificate applies only to the NGT Electricity Transmission Network for the UK as described in the Technical Construction File.

### COMPETENT BODY CONFORMITY STATEMENT

Hursley EMC Services Ltd. certifies that the National Grid Transco plc TCF demonstrates that the NGT Electricity Transmission Network conforms to the protection requirements of European Council Directive 89/336 and its amendments. This directive is on the approximation laws of the Member States relating to electromagnetic compatibility.

**Signed:**

EMC Technical Manager

**Approved:**

Ian Kenney  
EMC Quality Manager

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*Issue Date: 17<sup>th</sup> March 2005*

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