

ADDENDUM

Date Addendum Issued:	18 March 2015
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	Originated by	Approved by
Name	Matthew Iles	Jon Fenn
Job Title	Type Registration Engineer	Head of Network Engineering
Department	Policy, ETAM	ETAM
Date	13 March 2015	13 March 2015

ORIGINAL DOCUMENT DETAILS

DOCUMENT TITLE	Switchgear
DOCUMENT NUMBER	TS 2.02
ISSUE NUMBER	5
ISSUE DATE	25/11/2011

ADDENDUM DETAILS

The above document shall be read in conjunction with the following amendments:

Check appropriate boxes below

Addition		Replacement	X	Deletion	
Replace 1.2.5 Instruments and alarms shall be provided to ensure safe and reliable operation of all compressed gas systems. With 1.2.5 Instruments and alarms shall be provided to ensure safe and reliable operation of all compressed gas systems. Alarm and lockout schemes shall be designed to fail safe as far as is reasonably practicable.					

ADDENDUM

Date Addendum Issued:	20 February 2015
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	Originated by	Approved by
Name	Matthew Iles	Jon Fenn
Job Title	Type Registration Engineer	Head of Network Engineering
Department	Policy, ETAM	ETAM
Date	December 2014	December 2014

ORIGINAL DOCUMENT DETAILS

DOCUMENT TITLE	Switchgear
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ADDENDUM DETAILS

The above document shall be read in conjunction with the following amendments:

Check appropriate boxes below

Addition		Replacement	X	Deletion	
Replace 2.2.1 The rated supply voltage of the D.C. system at National Grid substations is 125 V. Closing and Opening releases and operating devices shall operate over the voltage ranges, measured at their terminals during operating, given in Table 1. With 2.2.1 The supply voltage of the D.C. system at National Grid substations is given in TS 3.12.4. Manufacturers shall ensure Closing and Opening releases and operating devices achieve complete satisfactory operation over the voltage ranges, measured at their terminals during operation, given in Table 1. <i>Informative: These voltages are only required to be demonstrated during Type Testing. Routine Testing can be done at standard IEC ranges.</i>					

Addendum 1 Table 1 – to be withdrawn. Table 1 in original TS 2.02 Issue 5, 25 November 2011 is valid.

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Replace Addendum 1 Table 1

		Closing and Opening Releases and Operating Devices	
		Close	Open
Maximum Operating Voltage (All)	Volts	137.5	137.5
Minimum Operating Voltage (General)	Volts	93.5	93.5
Minimum Operating Voltage (Circuit Breaker)	Volts	93.5	77

With Issue 5, 25 November 2011 Table 1

		Closing and Opening Releases and Operating Devices	
		Close	Open
Maximum Operating Voltage (All)	Volts	137.5	137.5
Minimum Operating Voltage (General)	Volts	87.5	87.5
Minimum Operating Voltage (Circuit Breaker)	Volts	87.5	77

Table 1: Rated Supply and Operating Voltage Range for D.C. Systems and Operating Devices