

T/PM/E/1 Procedure for Network Gas Supply Emergency

Periodic Review

January 2019

Contents

Introduction	1
Review of Safety Case.....	2
Results of Safety Case Review.....	4
Appendix 1	5
Appendix 2.....	5

Introduction

This report concerns the review of T/PM/E/1 Procedure for Network Gas Supply Emergency (E1). The NEC Safety Case has been reviewed alongside this revision of E1.

The version of E1 subjected to review was version 8.0, issued in July 2012. This review of version 8.0 was completed during January 2019 by Tom Wilcock of the Emergency and Incident Framework Team. The Emergency and Incident Framework Team provides support to the NEC, including the maintenance of the NEC's Safety Case.

Review of Safety Case

The review of version 8.0 of E1 has identified a number of areas where amendments to the Procedure were required. These are described in the following table.

Section of Procedure requiring amendment	Topic	Description of required amendment
Throughout Procedure	NG Gas plc	All reference to 'National Grid plc' has been amended to read 'National Grid Gas plc'
	BEIS	All reference to the 'Department for Energy and Climate Change (DECC)' has been updated to the 'Department for Business, Energy and Industrial Strategy (BEIS)'
	OGA	Reference to responsibilities devolved from BEIS to the Oil and Gas Authority (OGA) have been updated to reference the OGA
	Emergency and Incident Framework Team	All reference to National Grid's 'Emergency Planning Team' has been updated to 'Emergency and Incident Framework Team'
	BEIS ERT	All reference the 'Joint Response Team (JRT)' has been updated to Emergency Response Team (ERT)
	GS(M)R Schedule 3 Part 2	All reference to GS(M)R Part 1 (or 2) Schedule three has been corrected to read GS(M)R Schedule 3 Part 1 (or 2)
	Changes to facilities	A statement has been added to all descriptions of facilities connected to the NTS to advise that facilities added to the NTS between revisions of this procedure will still be utilised whether documented or not
	Input Terminal	All reference to 'beach terminals' has been updated to 'input terminal'
	Fax or Email	All reference to 'fax' has been expanded to read 'fax or email'
	Gas day	All reference to the gas day running 06:00-06:00 has been updated to 05:00-05:00
Executive Summary	Paragraph 1	Explanatory statement revised to better define the procedure's linked plans
NGSE Classification	Table in Exec Summary and Figure 6	<ul style="list-style-type: none"> Table has been re-drawn and labelled to better distinguish Emergency Stages and Emergency Types Reference to 'Emergency Specification Gas' has been changed to more accurately describe it as 'Gas conforming to Schedule 3 Part II of GS(M)R' 'Maximise Storage' has been changed to 'Direct Storage' Reference to 'firm' with regard to load shedding has been removed

Section 1.2	Purpose	Final paragraph re-worded to reflect the declaration of Stage and Type of emergency is relevant from Stage 1, not just Stages 2-4 – as originally stated
Section 1.4	Supporting documents	Section added to describe the linkages to supporting procedures, including the addition of Figure 2 to depict same
Section 2	The Network	Figure 3 updated to reflect: <ul style="list-style-type: none"> - The Rough facility has been reclassified from Storage facility to a Terminal (Now falls under the Easington entry point). The Offshore Facility box under Storage Facilities has therefore been removed - Avonmouth LNG Storage facility has been decommissioned. The LNG Storage box under Storage Facilities has therefore been removed - 'Scotia Gas Networks' has been updated to reflect their name change to SGN - 'National Grid Gas Distribution' has been updated to reflect the sale of this business to Cadent, now incorporated as Cadent Gas Limited - 'Moffat' Interconnector renamed 'Irish' Interconnector to conform to the naming convention of the other interconnectors listed
Section 2.1	Primary System	Outline of the Primary System has been updated to reflect that the NTS is no longer the sole source of gas in any of the secondary systems, due to the rise in use of bio-methane. The NTS is the 'Main' source of gas
Section 3.2	LNG Importation Terminals	NG's classification of LNG Terminals has been changed to quote the GS(M)R definition
Section 3.3	Gas Storage Facilities	An explanation of the various types of Gas Storage facility has been removed as Underground Cavities is now the only type of storage connected to the NTS
Section 3.4	Operating Margin Gas	The description of OM Gas has been expanded
Section 3.6	Interconnectors	Text detailing the specific set up of the interconnectors has been removed as the current picture is publicly available elsewhere
Section 6.3	Critical Transportation Constraint	High level definition has been updated to align with the NEC Safety Case
Section 4	Supply and Gas Supply Emergencies	Definitions of 'Supply' and 'Gas Supply' emergencies have been removed in favour of one consolidated definition of an NGSE which is aligned to the NEC Safety Case
Figure 4	NEC Communications Routes	Diagram re-drawn for clarity
Figure 4 (v8)	Communication Mediums	Figure 4 has been removed due to irrelevance of primary/secondary/alternative definitions of

		method of communication, as ANS will be used in all circumstances of contact
Figure 5 (v8)	Market Arrangements during a NGSE	Figure 5 has been removed as it was considered there was no added value in depicting that NG's participation in the OCM will not be suspended in a CTC. This is detailed elsewhere in the E1
Figure 6 (v8)	Emergency Strategy	Figure 6 has been removed as the flow chart is no longer applicable and has been replaced by other more effective visualisation methods
Section 11.1.5	Public Appeal	Addition of use of Social Media in the case of a public appeal to replace 'loud hailer vans'.
Figure 9	Stage 2 Emergency Actions	<ul style="list-style-type: none"> • Reference to 'Maximising' supplies and storage has been updated to 'Direct' • The tick symbol suggesting that Directing Supplies can be conducted in a CTC has been corrected with a cross symbol

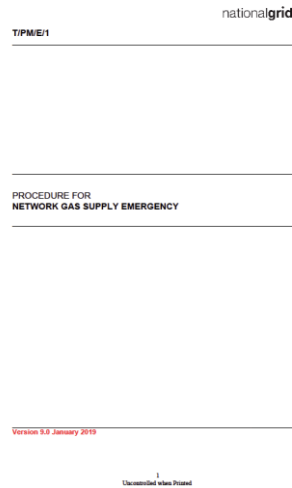
Results of Safety Case Review

The amendments to version 8.0 of E1 identified during the review were assessed to be non-material changes. The Procedure now fully aligns with version 9 of the NEC Safety Case. These amendments were incorporated into version 9.0 of E1 which was issued in January 2019.

Version 9.0 of E1 is provided in Appendix 2 of this report.

Appendix 1

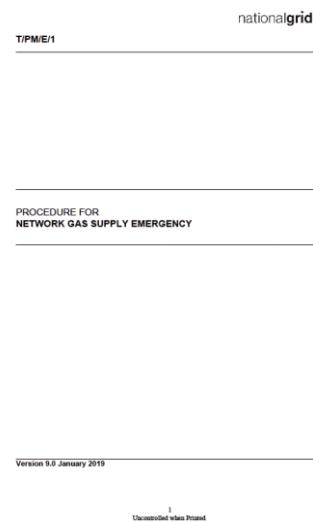
The attached document provides, as marked up changes in red text, all the amendments to version 8.0 of E1 identified during the review.



V8 with tracked changes
(double click image to open and review PDF)

Appendix 2

The attached document provides version 9.0 of E1 issued in January 2019.



V9 Final
(double click image to open and review PDF)