



The future

NIA Progress Report

NIA_ENWL003

Review of Engineering Recommendation P2/6

22 July 2016



VERSION HISTORY

Version	Date	Author	Status	Comments
v.1.0	20/07/2016	S Cox	Final	Final version following internal review and comment

REVIEW

Name	Role	Date
A Howard	Programme Manager	21/07/2016
D Randles	Network Performance and Innovation Manager	21/07/2016
P Turner	Future Networks Delivery Manager	21/07/2016

APPROVAL

Name	Role	Date
Steve Cox	Head of Network Engineering	22/07/2016

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1 PROJECT BASICS

Project Title	Review of Engineering Recommendation P2/6
Project Reference	NIA_ENWL003
Funding Licensee(s)	Electricity North West Limited, SSE, Scottish Power, Northern Powergrid, UK Power Networks, Western Power Distribution, National Grid, Northern Ireland Electricity, GTC
Project Start Date	January 2015
Project Duration	14 months
Nominated Project Contact(s)	Dan Randles – Electricity North West

2 SCOPE

Scope of services:

Work Stream 1: Project Initiation

Work Stream 2: Assessment of P2/6 and Identifying Options for Reform

WS2.1: Scope and framework for assessing security performance and measures of characteristic network designs

WS2.2: Service quality and cost effectiveness of the present network design practises

WS2.3: Risk associated with asset replacement, common mode failures and high impact events

WS2.4: Impact of Smart Grid technologies on service quality risk profile

WS2.5: Assessment of impacts of alternative control and operation strategies on security of supply

WS2.6: Loss inclusive design of distribution networks and impact on security of supply

WS2.7: Alignment of security of supply standard in distribution networks with other codes and schemes

WS2.8: Options for future development of distribution network standard

Work Stream 3: P2/6 Options Report

Work Stream 4: Stakeholder Engagement Workshops

Work Stream 5: Formal Strategy Consultation for P2

Work Stream 6: Detailed review and analysis

Work Stream 7: Final Recommendation

Work Stream 8: Programme work for Phase 2

3 OBJECTIVES

The objective is to review the requirements for and function of a planning standard and, if appropriate, produce an updated version of Engineering Recommendation P2 so the security provided by network assets together with systems and infrastructure provided by others (as appropriate) can be assessed against agreed standards.

4 SUCCESS CRITERIA

In order to be sufficiently future proof the revised document will focus on developing a framework against which means of providing security of supply can be evaluated. It is envisaged that a revised standard would not require a further review before, ideally, 2030.

DNOs and National Grid will ensure that the means of provision of the appropriate supply security will be executed in an overall economic, efficient and co-ordinated manner.

5 PERFORMANCE COMPARED TO THE ORIGINAL PROJECT AIMS, OBJECTIVES AND SUCCESS CRITERIA

The project has followed the original aims, objectives and criteria, however, the scale of the work required has been found to be greater than originally estimated which will require an increase in project timeframe and budget to deliver the objective successfully. The project is being co-ordinated under the Electricity Networks Association and all related documents are posted at www.dcode.org.uk/dcrp-er-p2-working-group.html.

Work streams 1, 2, 3 and 4 are complete; with work stream 5, Formal Consultation, due to run from 2 May to 12 June 2016. It is anticipated that the consultation review and analysis (WS6) will complete in early August 2016, and will identify and clarify the additional work, including cost and timeframes, to deliver the project's objective.

6 REQUIRED MODIFICATIONS TO THE PLANNED APPROACH DURING THE COURSE OF THE PROJECT

The project has followed its planned approach to date, but has identified further work that will result in a future modification. The scale of the change is being assessed and will be communicated when understood.

During the period Ofgem have queried the project's compliance to NIA governance rules. The funding licensees believe the project is compliant and have provided the reasoning for this belief.

7 LESSONS LEARNT FOR FUTURE PROJECTS

Despite significant effort to engage with a wide stakeholder group of 900 bodies, responses to the consultation have been very low and dominated by network operators. The use of focus groups to improve the stakeholder input is being considered for this project and may result in the changes previously identified.

The use of such focus groups may be considered for future projects of a similar nature.

8 THE OUTCOMES OF THE PROJECT

Not applicable.

9 PLANNED IMPLEMENTATION

Not applicable.

10 OTHER COMMENTS

Not applicable.