RETAIL ENERGY CODE

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01	Initial Assessment Report
02	Preliminary Change Report
03	Final Change Report

INITIAL ASSESSMENT REPORT

R0013 – ELECTRICITY ENQUIRY SERVICE API SERVICE STATUS

DOCUMENT VERSION	1.0
DATE ISSUED	05/11/2021
DOCUMENT APPROVAL STATUS	APPROVED BY REC CHANGE PANEL
RESPONSIBLE COMMITTEE	TECHNICAL EXPERT PANEL

CHANGE OVERVIEW

When there is Electricity Enquiry Service (EES) API disruption or outage, EES Users could see disruption to their own systems and/or the services they provide. The introduction of an API health check endpoint would enable service users to recognise and react to EES API issues, this could include initiating mitigation activity to reduce impacts to their systems and/or services or not triggering unnecessary internal diagnostic activity of their IT systems and processes.

	High Impact: N/A
	Medium Impact: N/A
	Low Impact: Suppliers, Distribution Network Operators, Metering Equipment Managers (electricity only), EES Users

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1 SUMMARY

The Electricity Enquiry Service (EES) allows EES Users (organisations) to access and retrieve market data from the service via an Application Programming Interface (API).

When there is EES API disruption or outage, EES Users could see disruption to their own systems and/or the services they provide. EES Users could initiate unnecessary internal diagnostic activity after experiencing disruption caused by EES API issues. For some EES Users this disruption may be seen during planned and unplanned outages.

The Proposer has suggested that an API health check endpoint would enable Service Users to use a monitoring tool to monitor the health (service status) of the EES API. This would enable EES Users to recognise and react to EES API issues, this could include initiating mitigation activity to reduce impacts to their systems and/or services or not triggering unnecessary internal diagnostic activity of the IT systems and processes.

2 PROBLEM STATEMENT

EES Users do not have a method of integrating the service status of the EES API with their systems. EES Users could experience disruption in their systems/services, caused by EES API disruption or outage. EES Users are not able to automatically identify the root cause of API outages/disruption and may initiate unnecessary internal diagnostic activity after seeing disruption in their systems/services.

3 USER STORIES

REF.	USER STORIES
MARKET PARTICIPANT USER STORIES	
M1	As an EES User (organisation), I want a method of integrating the service status of the EES API with my systems, so that in the event of EES API outage or disruption I do not trigger unnecessary internal diagnostic activity of my IT systems and processes, and I can initiate appropriate mitigation activity to reduce impacts to my systems and/or the services I provide.

4 IMPACTS

REC PARTIES AND SERVICE USERS
Suppliers
Distribution Network Operators
Metering Equipment Managers (electricity only)
EES Users

REC SERVICE PROVIDERS
Electricity Enquiry Service

CONSUMERS
Electricity Consumers

REC DOCUMENTS / PRODUCTS
Service Definition for the Electricity Enquiry Service
EES API Technical Specification

RECCO AND REC CODE MANAGER

The impacts identified are based on the Proposer's potential solution, to introduce an API health check endpoint. This solution would result in legal text changes to the Service Definition for the Electricity Enquiry Service and changes to the EES API Technical Specification.

As an alternative to a new API endpoint or web service, there may be opportunity to utilise existing Hypertext Transfer Protocol (HTTP) error codes, such as the '400 Bad Request' response status code or the existing service status hosted on a website. This opportunity will be explored through the analysis and solution development phase, with the impacts of all potential solutions being re-assessed.

4.1 CROSS CODE IMPACTS

This change does not have any cross-code impacts.

5 CHANGE PATH AND RESPONSIBLE COMMITTEE

CHANGE PATH	SELF-GOVERNANCE
RESPONSIBLE COMMITTEE	TECHNICAL EXPERT PANEL

This Change Proposal does not propose changes to the REC Main Body or its Schedules. The proposed solution would result in changes to the Electricity Enquiry Service Definition, which is a Category 2 product under the responsibility of the Technical Expert Panel.

Therefore, we propose that the Responsible Committee for this Change Proposal should be the Technical Expert Panel.

6 PRIORITY STATUS AND URGENCY

PRIORITY STATUS	LOW
URGENCY	STANDARD

The Priority Status for this Change Proposal is 'Low' based on a 'Weighted Significance' score of '0' and an 'Urgency' score of 0. This is broken down as below:

Significance:

Legal/Regulatory Compliance – a score of 0 because this change has no Legal/Regulatory Compliance requirement.

Strategic Direction – a score of 0 because this change does not support the implementation of the REC Strategy and Strategic Objectives.

Cost Benefits/Value – a score of 0 because there are no direct financial benefits identified for Consumers, REC Parties, or RECCo.

Consumer Impacts – a score of 0 to reflect that no improvement to consumer experience would be seen

Operational Efficiency – a score of 1 to reflect a minor improvement to the operational efficiency of EES Users

Urgency:

This Change Proposal has been given an urgency score of 0 to reflect there are no urgent requirements or dependencies for the change to be progressed. A standard timeline is therefore appropriate for this Change Proposal.

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PRIORITISATION MATRIX

Significance	Score	Weighting
Legal/Regulatory Compliance	0	30
Strategic Direction	0	20
Cost Benefits / Value	0	10
Consumer Impacts	0	30
Operational Efficiency	1	10

Urgency

3	N/A	13	23	33
2	02	12	22	32
1	01	11	21	31
0	00	10	20	N/A

Significance

Weighted Significance Score	0
Urgency	0
Overall Priority Score	**00**

Effort	0 - Minimal

Priority Score	Priority Status
23 - 33	Critical
13 - 22	High
11 - 21	Medium
00 - 10	Low

PRIORITY STATUS
Low

7 SUMMARY OF CHANGE PROPOSAL PLAN

This Change Proposal requires analysis and solution development phases to explore solutions to address the problem statement, prior to Impact Assessments by the EES Service Provider, REC Parties and EES Users.

The Change Proposal plan incorporates time to explore all potential solutions with the EES Service Provider, and time for solution refinement following Impact Assessments. Where possible, timelines will be reduced as the Change Proposal progresses through the change process.

A standard 15 Working Days consultation period is appropriate for this Change Proposal.

	FROM	TO
ANALYSIS AND SOLUTION DEVELOPMENT	17/11/2022	13/01/2022
SERVICE PROVIDER IMPACT ASSESSMENT	25/01/2022	15/02/2022
PARTY IMPACT ASSESSMENT	02/03/2022	23/03/2022
PRELIMINARY CHANGE REPORT ISSUED	20/04/2022	20/04/2022
PRELIMINARY CHANGE REPORT APPROVAL	27/04/2022	27/04/2022
CONSULTATION	05/05/2022	26/05/2022
FINAL CHANGE REPORT ISSUED	21/06/2022	21/06/2022
RESPONSIBLE COMMITTEE DECISION	29/06/2022	29/06/2022
APPEAL WINDOW CLOSURE	15/07/2022	15/07/2022

8 GLOSSARY

TERM	DEFINITION
Application Programming Interface (API).	(per the Service Definition of the EES) means an interface designed to give machine-to-machine access to data
Distribution Network Operator (DNO)	means a person holding an Electricity Distribution Licence
EES User	means a Party or Non-Party REC Service User which is entitled to use the EES under the Data Access Schedule.
Electricity Enquiry Service (EES)	means the service described as such in the EES Service Definition
Energy Supplier	means a person which is either or both an Electricity Supplier and/or a Gas Supplier.
Meter Equipment Manager (MEM)	means, as applicable, either: (a) for electricity, the Meter Operator Agent (as defined in the BSC) Appointed by an Electricity Supplier; or (b) for gas, the Meter Asset Manager (as defined in the UNC) Appointed by the Gas Supplier.
Retail Energy Code (REC)	means this Code, including its Schedules and the Technical Specification, maintained pursuant to the electricity supply licences granted under the Electricity Act 1989 and the gas supply licences granted under the Gas Act 1986, as such code is modified from time to time in accordance with its provisions
Retail Energy Code Company (RECCo)	means the company established under Clause 5 of the main body of this Code.
Working Day (WD)	means any day other than a Saturday, a Sunday, Christmas Day, Good Friday or a day that is a bank holiday in either or both England and Wales within the meaning of the Banking and Financial Dealings Act 1971.