



Electricity Authority

Service Report and User Guide June 2025

Prepared by Jade Managed Services

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Service Report

Current Service Status

SLA Achievement

Measurement	Requirement	Result	Result Expanded	Ref
Number and detail of service Provider Code or agreement breaches and details	Report delivered to Authority detailing breaches	✓		Schedule 2 Non-functional requirements 5.2 table 1
Disaster recovery and backup obligations		✓		Schedule 2 Non-functional requirements Section 7 (7.1 and 7.4)
Number and details of participant rule breaches	Report on 1 st business day delivered to Authority SFTP directory	✓	01 July 2025, 03:30	
Maximum number of concurrent users for month		✓	912	Schedule 2 Non-functional requirements 2.7
During regular service hours (0730 hours to 1930 hours each day), the provider must ensure that the system is available to participants for no less than 99.9 per cent of the time in any one month. This statistic considers that planned, pre-approved, non-urgent maintenance outages are not included in the calculation of availability		✓	100%	Schedule 2 Non-functional requirements 5.2 table 1
Outside regular service hours (between 1930 hours and 0730 hours) the provider must ensure that the system is available to participants for no less than 98.0 per cent of the time in any month. This statistic considers that planned outages will not count against availability level targets.		✓	100%	Schedule 2 Non-functional requirements 5.2 table 1
The Registry must use its best endeavours to provide a service availability of 99.8 per cent or better, with nil or minimal outages.		✓	100%	

Measurement	Requirement	Result	Result Expanded	Ref
<p>Unless otherwise approved in writing in advance by the Authority (such timely approval not to be unreasonably withheld) there must be no more than two planned outages per month, one of which is reserved for the monthly production release of software. Each planned outage must be at a time to be agreed by the parties and be no more than 2 hours in duration. Any planned outage of more than 2 hours duration must have the prior approval of the Authority, such timely approval not to be unreasonably withheld.</p> <p>Approved, pre-planned outages do not count against service level targets.</p>		✓	<p>1) MS Patches applied to MARAKLS3 and CNWAKLS405 on Saturday June 28th at 03:00</p> <p>2) Deploy of Application Release 25_06 to marPreg on Sunday June 29th at 03:00</p>	Schedule 2 Non-functional requirements 5.3
Service response time of transactions sampled at regular intervals (every 1–5) minutes as agreed between the Authority and the Provider) during regular service hours for the system at the delineation point of the system to external communications providers		✓		Schedule 2 Non-functional requirements 5.2 table 1
<p>96% of all sampled transactions will have a response time of less than 2 seconds for all the components managed by the system at the delineation point of the Registry network.</p> <p>Longest time period in seconds</p> <p>Percentage of transactions exceeding 2 seconds</p>		✓	<p><2 =99.75%</p> <p>48.6</p> <p>0.25%</p>	Schedule 2 Non-functional requirements 5.2 table 1
<p>90% will have a response time of less than 1 second for all the components managed by the system at the delineation point of the Registry network</p> <p>Percentage of transactions exceeding 1 second</p>		✓	<p><1 =99.33</p> <p>0.67%</p>	Schedule 2 Non-functional requirements 5.2 table 1
<p>Number of password lockout alerts.</p> <p>Investigation of all repeated lockout alerts required.</p>		✓	0	Schedule 2 Non-functional requirements 25.1 (n)
Help desk available	7:30 to 19:30 hours each business day	✓	100%	Clause 11.20

Measurement	Requirement	Result	Result Expanded	Ref
Registry reports to participants day 1 09:00	09:00 hours on the first business day of the month	✓	30 June 2025, 21:26	Clause 11 of Schedule 11.1
Issuing of confirmation notices within 4 hours of receipt of information provided		✓		Clause 11.21
Number of ICP's changing traders	16:00 on the 6 th business day of the month	✓		Clause 11.23
Such other information as may be agreed from time to time between the Registry and the Board	16:00 on the 6 th business day of the month	✓		Clause 11.23
Reports to the clearing manager and systems manager by 16:00 on first business day of the month	16:00 on first business day	✓	01 July 2025, 05:40	Clause 11.24
By 16:00 on 4 th business day deliver to the reconciliation manager the ICP days report	16:00 on 4 th business day	✓	04 July 2025, 01:52	Clause 11.26
By 16:00 on 4 th business day deliver to the reconciliation manager the loss factors report	16:00 on 4 th business day	✓	02 July 2025, 00:00	Clause 11.26
By 16:00 on 4 th business day deliver to the reconciliation manager the balancing area report	16:00 on 4 th business day	✓	02 July 2025, 00:00	Clause 11.26
By 16:00 on 4 th business day deliver to the reconciliation manager the half hour identifiers report	16:00 on 4 th business day	✓	04 July 2025, 06:21	Clause 11.26
By 16:00 on 1 st business day deliver to the market administrator (Authority) a report summarising events that have not been notified to the Registry with specified time frames	16:00 on 1 st business day	✓	01 July 2025, 00:01	Clause 11.27
Notifications or change within the Registry to participants affected	Same day	✓		Clause 11.29

Data Safety and Resilience

Backup Operations

Backup Type	Run days	Start Time	Expected Duration	Failed this Period
Disk	ALL	19:00	01:00	0
Tape	ALL	01:00	05:00	0

Production System Performance

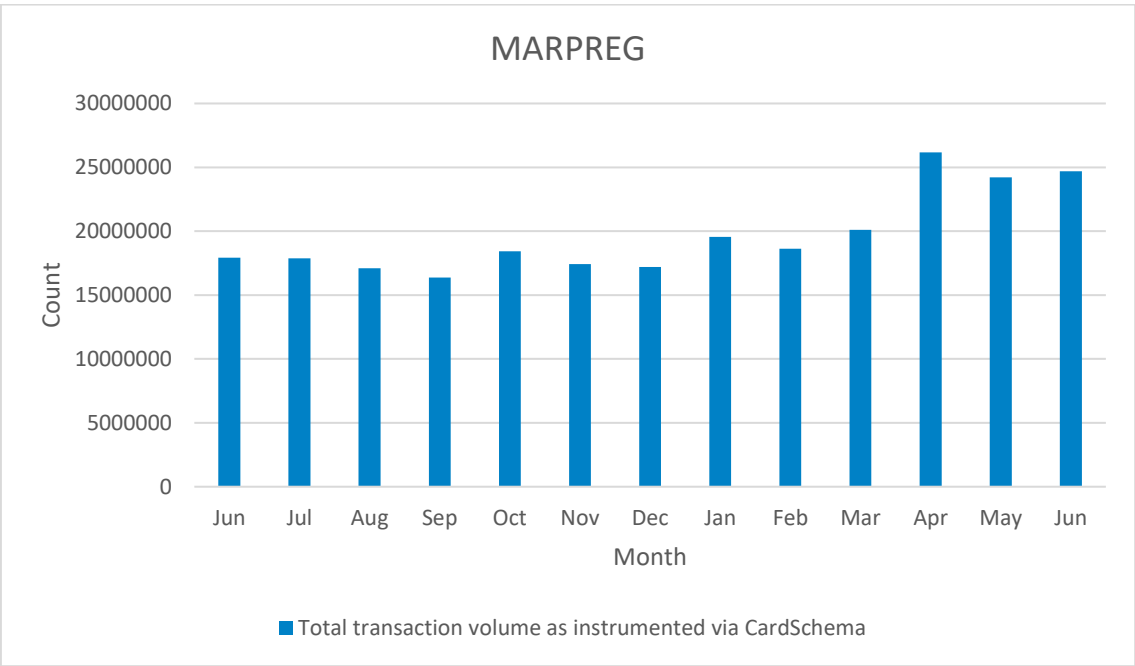
Unscheduled Outages

Day	Ref	Detail	Outage Duration

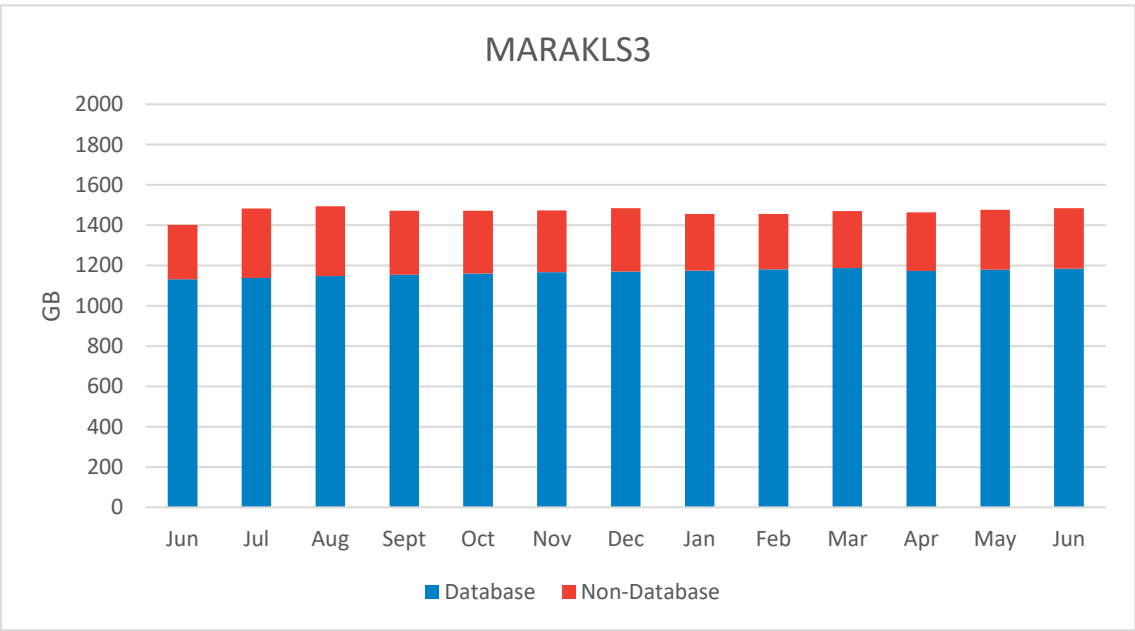
Scheduled Outages

Day	Ref	Detail	Outage Duration	Authorised By
28Jun25 03:00 – 03:22	1205980	MS Patches applied to MARAKLS3, CNWAKLS405	00:22	Simon Procter
29Jun25 03:00 – 03:42	1213580	Deploy of Application Release 25_ to marPreg	00:42	Simon Procter

Instrumented Transactions



Database Size



Electricity Authority Reporting

Adhoc Reporting Statistics

Report	Run	Complete	Average time (seconds)
Change Network Creation Date	1	1	0.8
DER Maintenance	1	1	0.3
Distributor Maintenance	2499	2499	3.0
Metering Maintenance	1043	1043	13.5
NSP Mapping Maintenance	30	30	7.8
Planned ICP Service Interruption	2457	2457	1.6
Report - Audit Compliance	203	203	1098.7
Report - Breach Current	355	355	1.6
Report - Current Details	117	117	538.8
Report - Event Detail	27969	27969	167.1
Report - File Audits	2	2	2.1
Report - File Handler Status	2	2	0.2
Report - ICP List	6894	6894	445.0
Report - Loss Factor Codes	166	166	7.3
Report - Metering Installation Information	764	764	1015.4
Report - Missing Metering Data	2	2	388.8
Report - NSP Mappings	91	91	4.0
Report - Planned ICP Outage Report	1	1	15.9
Report - Switch Breach History	91	91	29.4
Report - Switch Breach Rolling Compliance	1	1	255.7
Report - Trader Default General Information	2	2	1.6

Report	Run	Complete	Average time (seconds)
Report - Trader Default Status Report	11	11	7.0
Request - Notify Resend	30	30	0.7
Request - Switch Resend	23	23	0.2
Switch AC	439	439	0.3
Switch AN	15204	15204	0.3
Switch AW	2324	2324	0.6
Switch CS	13761	13761	1.2
Switch MN	309	309	2.1
Switch NT	18686	18686	0.4
Switch NW	2235	2235	0.3
Switch RR	649	649	0.2
Trader Maintenance	2719	2719	4.3
Totals	99081	99081	89.6
Number of Reports successfully Re-Processed	18		

Batch File Statistics

Total	Complete	Completed by 07:30	Not completed by 07:30
97197	97197	97197	0

Details of Batch File Reports not completed by 07:30 Report

Provider Code or agreement breach

Date	Number and detail of Provider Code or agreement breaches and details (ref Schedule 2 Non-functional requirements 5.2 table 1)

Other Information

The following reports/files are supplied to the Authority by the 6th business day of each month (unless otherwise specified) to the SFTP server:

- ICP's electrically connected, electrically disconnected, decommissioned and switched by Retailer and NSP
- ICP's electrically connected, electrically disconnected, decommissioned and switched by Retailer
- ICP's electrically connected, electrically disconnected, decommissioned and switched by Distributor
- Report PR-130 as defined in functional specification
- Details of participant rule breaches (supplied on first business day)
- Details of participant switch breaches (supplied on first business day)

Business Continuity Plan Test

The following annual tests were completed in April 2025 (Jade Tracker #1195546 refers);

1. Placing 2 test calls to the people below advising them that this is a test call to confirm their ability to be contacted in a Business Continuity event

a) Peter Taylor - Commercial Manager - 04 460 8866 or 027 281 7672 (Alternative is Simon Procter)

b) Jade BCM Manager.

2. Have a Jade Developer log in from home to confirm connectivity.

Summary of Incidents

There were no incidents.

Software Related Fixes and Enhancements

ID	Description	Response
er-1536	<p>MN response notifications not being sent to the current (soon to be previous) MEP. Cause identified as historical end dating of participants trader role whilst retaining the MEP role.</p> <p>Analysis showed that only one participant was impacted due to the relatively unique circumstances of the role end-dating. After discussion with the participant a partial cleanup script will be run to ensure some of the very old notifications are marked as sent (as implementation of the fix will trigger their send which is not desired)</p>	Release 25.06
er-1556	Updates to audit compliance user reporting guide	Release 25.06
er-1555	<p>Internal change to how data dictionary upgrade is called.</p> <p>Move upgrade itself from the main body of calling function to its own sub-function (it now follows the pattern of all the other upgrade calls)</p>	Release 25.06
er-1552	<p>The authority is moving back to using sFTP file transfer now Azure supports sFTP file uploads.</p> <p>Revert to sFTP with administration application changes allowing command settings to be maintained</p>	Release 25.06
er-1523	Maintenance breach report amended to allow selection of multiple breach types for reporting	Release 25.06
er_1485	<p>CR1282: DER transition agent.</p> <p>The agent functionality to perform DER transition processing (conversion of network event fuel type and chargeable capacity to DER transition records).</p> <p>NOTE: this release includes an amendment to the transition agent which was supplying an incorrect userId for transition updates</p>	Release 25.06
er-1320	Remove redundant region string property, this was replaced by a reference to region objects several years ago and no longer used.	Release 25.06

ID	Description	Response
Documentation Updates	Audit compliance reporting user guide v2.0.pdf (added to "User_Documentation.zip download)	Release 25.06

Data Fixes

Number and details of incidents requiring data fixes.

ID	Description	Severity	Response
er-1536	<p>MN response notifications not being sent to the current (soon to be previous) MEP. Cause identified as historical end dating of participants trader role whilst retaining the MEP role.</p> <p>Analysis showed that only one participant was impacted due to the relatively unique circumstances of the role end-dating. After discussion with the participant a partial cleanup script will be run to ensure some of the very old notifications are marked as sent (as implementation of the fix will trigger their send which is not desired)</p>	Medium (Priority C)	Release 25.06

Schedule of Issues Raised

A summary of issues raised during the month.

ID	Description	Severity	Response
ER-1555	Change upgrade application data dictionary upgrades to its own function	Low (Priority I)	Closed
ER-1556	Update audit compliance user reporting guide	Low (Priority I)	Verification Pending
ER-1557	MERX unable to submit an RR if the switch was generated by trader default	Medium (Priority C)	Closed
ER-1558	Change in jade behavior stopping audit transfers (UAT issue)	Medium (Priority C)	Closed
ER-1559	Switch timers for trader default switch withdrawals	Low (Priority I)	Verification Pending
ER-1560	Vast number of objects under Registry Audit in development	Medium (Priority C)	In progress

Application Release

Day	Version	Authorised By
29Jun25	Deploy of Application Release 25_06 to marPreg	Simon Procter

Change Control

Date	Authorised By	Detail
18Jun25	Simon Procter	MS Patches applied to MARCHCS3
21Jun25	Simon Procter	MS Patches applied to MARCHCS1, CNWCHCS405
28Jun25	Simon Procter	MS Patches applied to MARAKLS3, CNWAKLS405

Status of Functional Specification

(i.e., a report on the status of the functional specification);
Version 22.43 released to UAT and Prod 29 June 2025

Status of CR's and SDA's

(i.e., a summary report of the status of all CRs and SDAs);

CR Identifier	Description	Status
CR-1196	Switch Breach Inquiry screen	On hold. Low priority.
CR-1256	Trader Default Technical and User documentation	On hold. In CR development, not signed off yet. With Authority for review.
CR-1257	Trader Default software changes	On hold. In CR development, not signed off yet. With Authority for review.
CR-1260	Remove Automated Logon	Released to the dedicated secure test system (marSreg) 01/10/2021 Release pending to UAT and Production
CR-1262	(Config) Disable iframes Response Headers	Released to the dedicated secure test system (marSreg) 01/10/2021. Release pending to UAT and Production
CR-1287	Trade Default Type 2 Retailers	In CR development, not signed off yet.

Design Consultation

This is outside the normal CRs and pertains more to design work required by market design.

Design consultation chargeable hours

Resource	Hours this month	Hours to date – since 01 May 2017
ACCES (MD-1212) – Project Management/Architect/Consultant/Designer	0.0	90.50
Prohibit Saves and Winbacks (MD-1233) – Project Management/Architect/Consultant/Designer	0.0	26.25
Total	0.0	116.75

Provider initiated Audits

(i.e., essentially the annual audits. Also, any other audit (relevant to the registry) Jade has initiated. Does not include CRs).

- An audit was carried out by Grant Thornton New Zealand Ltd in March 2023.

Breaches

There were no breaches reported this month.

Code Changes to be considered

(i.e., events that may highlight an area where a change to the Code may need to be considered);

User Group Meetings

(i.e., a summary of any user group meetings held and the items discussed);

The most recent user group meeting was on 20 December 2022.

AGREED PROCEDURES

Change Control

All significant changes will be notified to the Electricity Authority, and a Tracker work request will be created to record authorisation, schedule, and implementation detail.

Change requests must be approved within 1 month of the request being submitted.

In exceptional circumstances, for example where Jade Care consider server integrity to be under significant and immediate threat, changes may be applied with little or no notice.

Personnel and Contact Details

The Electricity Authority must advise Jade Care of changes in personnel and contacts details where individuals are named as direct contacts. Fault escalations are pre-defined and automated to individual email addresses and SMS capable devices. Leave coverage and personnel changes must be advised for these functions to be effective.

Application Release Authorisation

Releases are automated through the Jade Care toolset. Submission and authorisation are separate functions, and the authorisation facility may be extended to the Electricity Authority or may be applied by the Client services manager where the Electricity Authority chooses not to use this facility.

Application Restarts

Requests for restart of applications or servers must be made in writing. In exceptional circumstances, and where the requestor is known to Jade Care staff, a verbal request may be sufficient, provided it is confirmed in writing shortly after the request is made.

Hardware Fault Reporting

SNMP traps will be enabled for all servers. Traps will result in alerts being raised at Jade Care and Tracker incident records being created. Automated escalation can be applied to these calls to alert the Electricity Authority and third parties to the event.

Arrangements may be put in place to allow Jade Care to contact hardware service organisations directly in the event of hardware issues. Contact and call identification details will be required as a prerequisite to implementation.

Anti-Virus Product

Anti-virus product is installed on all managed servers. Engine and pattern updates are applied on receipt, and full scans are run weekly.

Recovery Procedures

Application Recovery

The environments are set up to perform automatic application recovery in the event of a server undergoing a non-scheduled restart.

If there is a physical failure on the hardware where the VM is hosted on, the VM will be moved to a different physical VMware host. In the event of a catastrophic site failure, an SDS takeover will occur to the DR site upon approval by the Electricity Authority.

Server Recovery

Server recovery should never take place unless agreed by the Electricity Authority, Jade Care and hardware service representatives.

If a server operating system needs to be rebuilt, Central Systems will assist the onsite technician in rebuilding the server configuration and operating system to a state where Jade Care access is restored. Recovery of the full configuration, the applications and other third party software will be undertaken by Jade Care.

Server Integrity

The Electricity Authority servers are configured and maintained to Jade Care standards. This configuration is critical to the operation of the process automation and monitoring software.

It is essential that all changes to the server or application software is either performed by, or with the fore-knowledge and agreement, of Jade Care.

Reporting

Systems Management Report

This systems management report is to be provided by email to customer staff as advised. The target date for delivery is the 10th business day of the month following the calendar month to which the report relates.

Incident Reports

An incident report will be prepared for each unscheduled outage and will be emailed to customer staff as advised from time to time within 3 working days of any outage. These reports relate only to those items managed by Jade Care; e.g. network issues and hardware failures will not be subject to a report.

Jade Care Recommendations

Where Jade Care has recommendations for changes to hardware or the operating environment, these recommendations will be submitted to the Electricity Authority management. Implementation of such recommendations will be formalised through the change control process and documented through the systems management report in summary form.

Software Licences and Media Storage

All software media and licences must be kept in secured storage in reasonable proximity to the servers.