

ENTERPRISE FLEET CONTROLLED PROOF REPORT

Urbyte and Keelo Enterprise Fleet Runs

Detailed results for the 1000 service and 5000 service controlled proofs

Report field	Evidence record
Classification	Evidenced Current controlled synthetic execution
1,000 service proof	PASS
5,000 service proof	PASS
Prepared for	Urbyte Pty Ltd
Report date	18 September 2026

Main conclusion

Both controlled enterprise fleet runs passed. Urbyte classified and verified allocation waste from deterministic synthetic billing evidence. Keelo governed every qualifying condition through authorised controlled execution, durable receipt and verified outcome. Both runs reconciled every service exactly once and reported zero duplicate external executions and zero unresolved obligations.

Claim boundary

The runs evidence controlled system mechanics and scale. They do not establish live customer savings, production carrier integration, environmental outcomes, ISO 14001 certification or production availability.

EXECUTIVE RESULTS

Controlled proof results

Measure	1,000 service run	5,000 service run
Final result	PASS	PASS
Services reconciled	1,000 of 1,000	5,000 of 5,000
Verified services	805	3,512
Actionable verified	770	3,485
Unverifiable and excluded	195	1,488
Verified unused allocation	79,087.919 GB	266,750.6 GB
DBUs established	790,879.19	2,667,506
Controlled executions	770	3,485
External receipts	770	3,485
Outcome verified	770	3,485
Duplicate executions	0	0
Unresolved obligations	0	0

System separation

- Urbyte performed evidence ingestion, qualification, allocation waste verification and DBU establishment.
- Keelo governed persistent conditions, accountable ownership, authority, controlled action, receipt and outcome verification.
- Keelo Core remained organisation neutral. The proof additions did not place Urbyte rules inside Core.

ONE THOUSAND SERVICE RUN

Evidence identity and input

Evidence field	Recorded result
Proof commit	[REDACTED internal detail]
Branch	[REDACTED internal detail]
Dataset	controlled-enterprise-fleet-billing-1000
Dataset digest	[REDACTED internal detail]
Evidence window	1 June 2026 to 24 August 2026 • 84 days
Billing periods	3 contiguous 28 day periods
Materialised rows	2,938
Declared allocation	211,580 GB
Recorded usage where present	104,182.162 GB
Rows missing usage	58

Classification

Classification	Services	Fleet share
Verified	805	80.50%
Actionable verified	770	77.00%
Verified no action	35	3.50%
Unverifiable and excluded	195	19.50%
Total reconciled	1,000	100.00%

Exclusion reason counts overlap where a service failed more than one rule. The authoritative exclusion total is 195 distinct services.

ONE THOUSAND SERVICE RUN

Verification governance and reconciliation

Measure	Evidenced result
Verified unused allocation	79,087.919 GB
DBUs established	790,879.19
Persistent Keelo conditions	770
Authorised governed actions	770
Denied actions	0
Controlled external executions	770
External receipts	770
Outcome verified transactions	770
Duplicate external executions	0
Unresolved obligations	0

Evidence exclusions

Recorded reason	Occurrences
Baseline below 84 days	62
Three billing periods required	62
Missing or invalid usage	58
Insufficient evidence confidence	76

Verification context

- 44 of 44 unit test files passed with 505 of 505 tests.
- The completed proof recorded 19 of 19 Firestore integration tests passed.
- The later 5,000-service run reran the 1,000-service proof successfully as a regression gate.
- Runtime was not retained as a controlled evidence claim for this run.

FIVE THOUSAND SERVICE RUN

Evidence identity and input

Evidence field	Recorded result
Proof commit	[REDACTED internal detail]
Test checkpoint	[REDACTED internal detail]
Branch	[REDACTED internal detail]
Input	[REDACTED internal detail]
Input SHA 256	[REDACTED internal detail]
Raw data rows	15,000 plus one header
Billing cycles	3
Declared allocation	1,074,525 GB
Recorded usage where present	656,831.3 GB
Rows missing usage	297
Runtime	50.443 seconds

Classification

Classification	Services	Fleet share
Verified	3,512	70.24%
Actionable verified	3,485	69.70%
Verified no action	27	0.54%
Unverifiable and excluded	1,488	29.76%
Total reconciled	5,000	100.00%

FIVE THOUSAND SERVICE RUN

Verification governance and reconciliation

Measure	Evidenced result
Verified unused allocation	266,750.6 GB
DBUs established	2,667,506
Persistent Keelo conditions	3,485
Authorised actions	3,485
Denied actions	0
Controlled external executions	3,485
External receipts	3,485
Outcome verified transactions	3,485
Audit events	13,940
Duplicate executions	0
Unresolved obligations	0

Evidence exclusions

Recorded reason	Occurrences
Insufficient evidence confidence	336
Missing or invalid usage	290
Non contiguous billing periods	109
Usage exceeds allocation	813

Reason occurrences may overlap within one service. The authoritative excluded-service count is 1,488.

COMPARATIVE ANALYSIS

What changed at five times the fleet size

Comparable measure	1,000 run	5,000 run	Observed change
Services	1,000	5,000	5.00 times
Billing rows	2,938	15,000	5.11 times
Verified rate	80.50%	70.24%	Down 10.26 percentage points
Actionable rate	77.00%	69.70%	Down 7.30 percentage points
Excluded rate	19.50%	29.76%	Up 10.26 percentage points
Verified unused per service	79.088 GB	53.350 GB	Lower in 5,000 dataset
Verified unused per actionable service	102.711 GB	76.543 GB	Lower in 5,000 dataset
Missing usage row rate	1.97%	1.98%	Effectively stable
Duplicate executions	0	0	Control held
Unresolved obligations	0	0	Control held

Interpretation

The larger dataset was not a simple multiplication of the smaller proof. It contained a higher proportion of services failing evidence rules, particularly usage exceeding allocation. The lower verification and actionable rates therefore reflect dataset composition, not a demonstrated decline in system correctness. The stronger control result is that classification, execution traceability, receipt retention, outcome verification and duplicate prevention held across the larger run.

Scale evidence

The 5,000-service run processed 15,000 billing rows and completed 3,485 controlled transactions in 50.443 seconds. This demonstrates controlled execution at that scale in the recorded emulator-backed environment. It is not a production service-level commitment.

VERIFICATION CONTROLS

Gates and architectural integrity

Verification gate	1,000 run record	5,000 run record
Build	Evidenced through proof state	PASS
TypeScript	PASS	PASS
Integration TypeScript	Not separately recorded	PASS
Architecture boundaries	PASS	PASS
Unit tests	505 of 505	506 of 506
Firestore integration	19 of 19 completed proof	20 of 20
Fleet proof	PASS	PASS
1,000 regression	Not applicable	PASS
Git diff check	PASS	PASS
Working tree	Clean	Clean

Preserved boundaries

- Keelo Core was unchanged by both fleet-proof additions.
- Urbyte verification and DBU rules were unchanged.
- Authority, ownership, governance and production execution logic were unchanged.
- The existing controlled external execution adapter remained the execution boundary.
- The larger proof expanded input scale and evidence coverage without collapsing organisation separation.

COMMERCIAL APPLICATION

Evidence based commercial interpretation

The controlled runs quantify verified allocation waste. They do not prove customer spend, recoverable cash, realised savings or environmental impact. Any commercial valuation must be tied to attributable billing evidence and approved remediation.

Commercial measure	1,000 services	5,000 services	Classification
Urbyte verification charge	[REDACTED internal detail]	[REDACTED internal detail]	[REDACTED internal detail]
Keelo WRSaaS	Separately scoped	Separately scoped	Post proof operating pathway
Verified unused allocation	79,087.919 GB	266,750.6 GB	System derived evidence
Customer savings	Not established	Not established	Requires invoice and post action evidence
ISO 14001 or ESG outcome	Not established	Not established	Requires customer objective mapping and assurance

DBU treatment

The runs established DBUs at 10 DBUs per verified unused GB. DBUs are internal, non-transferable records. They are not currency, tokens, customer funds, ownership of unused data or superannuation contributions.

Operational value evidenced

- Reliable exclusion of unsupported evidence before consequential action.
- Traceability from raw evidence to verified waste, governed condition, authorised action, receipt and outcome.
- Exactly once effective controlled execution within the tested pathway.

MATURITY CLASSIFICATION

Evidenced Current

- Deterministic synthetic enterprise billing ingestion at 1,000 and 5,000 service scales.
- 84 day and three cycle qualification controls.
- Evidence confidence, missing data and allocation integrity exclusions.
- Urbyte verification and DBU establishment from qualifying evidence.
- Keelo governed conditions, authorised controlled execution, durable receipts and outcome verification.
- Complete reconciliation with zero duplicate executions and zero unresolved obligations in both runs.

Next Proving Work

- Repeat the pathway using lawfully authorised de identified enterprise billing evidence.
- Preserve complete machine readable run output with environment and dependency versions.
- Use production configured persistence and an authorised external boundary.
- Prove active authority revocation, restart and retry behaviour within the fleet run.
- Measure post action billing outcomes before asserting realised AUD savings.
- Map evidence to customer ISO 14001 objectives and ESG disclosures without asserting certification.

Destination Case

- Production ingestion from attributable enterprise billing systems.
- Production grade persistence, security and authorised external execution.
- Independently assured financial, environmental and governance outcomes.
- Keelo Executive Operating System delivered as WRSaaS under recurring enterprise terms.

EVIDENCE APPENDIX

Source control and evidence register

Evidence item	1,000 service run	5,000 service run
Proof commit	[REDACTED internal detail]	[REDACTED internal detail]
Fixture	[REDACTED internal detail]	[REDACTED internal detail]
Fixture digest	[REDACTED internal detail]	[REDACTED internal detail]
Runner	[REDACTED internal detail]	[REDACTED internal detail]
Branch	[REDACTED internal detail]	[REDACTED internal detail]
Remote state at record date	[REDACTED internal detail]	[REDACTED internal detail]

Evidence statement

The 1,000-service proof established the controlled verification and governance pathway. The 5,000-service proof extended the evidence volume, added a fully materialised CSV input, retained the existing 1,000-service fixture as a passing regression proof and strengthened the verification record to 506 unit tests and 20 Firestore integration tests.

Final controlled conclusion

Both enterprise fleet runs passed. Across 6,000 separately executed synthetic service records, Urbyte verified qualifying allocation waste and Keelo governed 4,255 controlled actions through receipt and outcome verification. Each run reconciled its own fleet exactly once. No duplicate effective execution or unresolved obligation was reported.

The 6,000-service and 4,255-action totals are report-level sums across two separate proof runs. They do not represent one combined transaction run.