

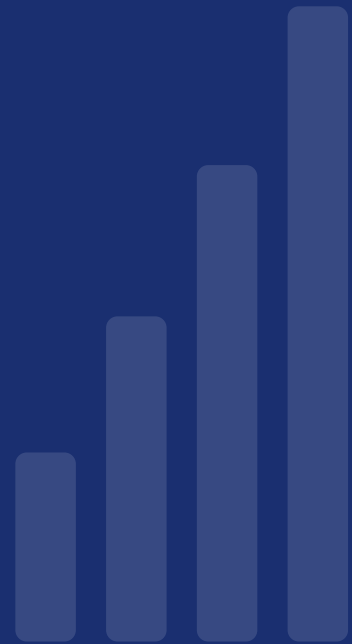


SAMPLECO
ENGINEERING / FICTIONAL DEMONSTRATION

COMPLIANCE DECISION BRIEF

Audit Defense Report

License Compliance Assessment



PREPARED FOR

**SampleCo
Engineering
(Fictional)**

ANALYSIS WINDOW

**September 2025 -
August 2026**

GENERATED

31 August 2026

Executive Summary

COMPLIANCE POSTURE			12-MONTH WINDOW
Capacity and renewal flags guide operational planning. Neither is by itself proof of contractual non-compliance.			
COMPLIANCE VERDICT	READINESS SCORE	SERVICES MONITORED	FEATURES TRACKED
COMPLIANT	86 / 100	4	7
SCORE BANDS		CAPACITY EXCEPTIONS	
COMPLIANT at 80 or above; AT RISK from 30 to 79; NON-COMPLIANT below 30		0 overdraft; 3 at risk at 85%+ peak utilization	
CONFIRMED DEMAND		OPERATIONAL FLAGS	
53 denial events		2 expiring licenses; 0 long sessions	
Assessment			Operational interpretation
No measured usage exceeded licensed capacity. Three pools approached their allocation ceiling and should be monitored; one recently added deployment has incomplete historical coverage.			
Evidence and ledger			Audit trail
1 feature falls below 99% evidence coverage; 1 includes excluded unknown hours. Compliance ledger: Verified, partial coverage (365 entries verified). See Compliance Ledger Methodology for independent verification details.			

Application Compliance Portfolio

4 application(s) monitored across 4 server(s).

Application	Servers	Capacity	Peak	Status	Denials	Coverage
MathWorks						
MATLAB	2	44	29	At Risk	45	Full
Dassault Systemes						
CATIA	2	34	30	At Risk	8	Full
Ansys						
Ansys Mechanical	2	26	11	Compliant	0	Full
Foundry						
Nuke Studio	1	10	—	Unknown	0	Added midterm

Denial Analysis

- Confirmed capacity/reserved denial events: **53**
- Raw denial events observed: **62**
- Classified non-demand events excluded: **7**
- Unclassified potential events: **2**
- Features with confirmed demand: **2**
- Affected user-feature populations: **12**

Denials by Feature

Feature	Server(s)	Confirmed	Raw	Users
matlab	4085@lic-design-b	45	51	8
catia_base	4085@lic-design-b	8	11	4

Top Users with Confirmed Demand Denials

User	Top Feature	Server	Denials	First	Last
avery.chen	matlab	4085@lic-design-b	14	2026-05-11	2026-08-27
maya.ortiz	catia_base	4085@lic-design-b	6	2026-06-08	2026-08-19

Action Items & Risk Breakdown

Prioritised Action Items

- [HIGH] Rebalance MATLAB capacity before considering additional seats.
- [MEDIUM] Validate CATIA demand growth before the May 2027 renewal.
- [LOW] Complete the Nuke Studio monitoring window before drawing a capacity conclusion.

Risk Score Breakdown

Final Score: 86 / 100 — COMPLIANT

Category	Count	Deduction
Pools at risk	3	-9
Partial evidence	1	-5

Compliance Ledger Methodology

The compliance ledger is an append-only record of daily inventory, capacity, usage, and denial evidence used by this assessment.

What the Ledger Seals

Each row names what the section commits and the frame its claim is made under. The two frames are not interchangeable: an observation recorded at the cutoff is not a statement about the reporting day.

Evidence sealed	Claim frame	What it records
Inventory	observed state	License quantities and expirations reported by each server.
Usage	period evidence	Hour-aligned peak demand and monitoring coverage.
Denials	event evidence	Classified request failures retained for capacity review.

Cryptographic Guarantees

Each daily entry is hashed and linked to the previous entry. Signatures bind the chain to the recorded verification key.

VERIFICATION DETAILS		VERIFIED, PARTIAL COVERAGE	
The four verdicts below are what an independent verifier recomputes from the exported bundle. Coverage describes how much of the window was monitored; it qualifies the record, not the seals.			
CHAIN	SIGNATURES	EVIDENCE	COVERAGE
VALID	VALID	COMPLETE	PARTIAL
VERIFICATION WINDOW 2025-09-01 to 2026-08-31		SEALED THROUGH 2026-08-31	
ENTRIES CHECKED 365		DAYS SEALED 365	
AMENDMENTS NONE		ASSURANCE Local verification only	

Signing key fingerprint

Record externally

sample-key-01

9F:31:5A:84:7C:22:DE:40

Record the fingerprint above outside this installation — with your audit records, or printed. An export carries its own public key, so on its own it cannot prove the key was not replaced together with the chain; the copy you hold elsewhere is what makes it evidence.

Gaps

- **Nuke Studio capacity coverage begins on 2026-06-01.**

Recent checkouts are visible, but the full audit window is not sealed for capacity history.

What the Ledger Does Not Attest

- Contract terms, geographic rights, and named-user eligibility.
- Usage that occurred outside monitored license servers.

Independent Verification

Export the audit bundle, retain the public-key fingerprint separately, and run the LiMon verification command against the exported manifest.

This sample demonstrates local verification; no external receipt is claimed.

Technical Addenda

Full-length reference tables follow. These detailed listings support the summary findings above and may span multiple pages.

License Inventory

Inventory Exceptions

Server	Feature	Vendor	Quantity	Expiration	Status
27000@lic-north-a	ansys_mechanical	flexlm	18	2026-12-31	Expiring Soon
1055@lic-sim-c	ansys_mechanical	flexlm	8	2026-12-31	Expiring Soon

Active Inventory by Server

Server	Vendor	Lines	Features	Seats	Permanent	Nearest Expiry
27000@lic-north-a	FLEXLM	2	2	50	0	2027-02-28
4085@lic-design-b	FLEXLM	2	2	28	0	2027-02-28
5053@lic-media-d	RLM	2	2	16	1	2027-03-31
TOTAL		6	6	94	1	

Estate inventory: **8** license lines across **4** server(s) — **2** exception line(s) listed in full above, **6** healthy line(s) summarized by server. The line-level inventory is searchable in the License Search view of the LiMon dashboard.

Inventory Changes in Period

- CAPACITY_INCREASE: **1** change(s)
- FEATURE_ADDED: **1** change(s)

Compliance Status

Compliance Exceptions

Server	Feature	Peak Used	Capacity	Overdraft	Status
27000@lic-north-a	catia_base	19	22	—	At Risk
4085@lic-design-b	matlab	15	16	—	At Risk
4085@lic-design-b	catia_base	11	12	—	At Risk
5053@lic-media-d	nuke_studio	3	10	—	Unknown

Compliant Population by Server

Server	Features Checked	Not Observed	Partial Evidence	Worst Utilization
1055@lic-sim-c	1	0	0	38% (ansys_mechanical)
27000@lic-north-a	2	0	0	50% (matlab)

7 (server, feature) pair(s) checked — 4 exception(s) listed in full above, 3 compliant pair(s) summarized by server. "Not Observed" counts features holding a license entitlement but with no usage observations during the analysis window.

License Camping & Long Holds

2 holds reached the configured long-hold threshold of **24 hours**; **1** had contention evidence on the same license server and feature during the report period. Across those holds, **1** touched the overnight window and **0** touched a weekend.

How to read the grouped tables. Each row combines one user and feature under the full license-server identifier. **Total held** adds all qualifying holds for that combination. **After-hours** counts holds that touched the overnight window or a weekend. **Contention** shows same-server, same-feature evidence from the report period: hours at saturation and clustered, capacity-related denial episodes. **Assessment** summarizes which evidence was found; it does not prove that the named holder caused a denial.

License server: 4085@lic-design-b					
User	Feature	Total held	After-hours	Contention	Assessment
samir.haddad	matlab	1d 7h 1 hold	1 overnight 0 weekend	3 h saturated 2 denial episodes	Saturation + denials

License server: 5053@lic-media-d					
User	Feature	Total held	After-hours	Contention	Assessment
sora.kim	nuke_render	1d 2h 1 hold	0 overnight 0 weekend	0 h saturated 0 denial episodes	No contention

Note: Long holds may represent legitimate batch, simulation, or project work. These rows are review candidates for timeout/user-policy discussion, not automatic cut recommendations.