

04 · CERTIFY

TIA 942C data centre certification, India-based

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WHAT THIS SERVICE COVERS

TIA 942C is the globally recognised infrastructure standard for data centre reliability and resilience.

Technavious is one of the few India-based firms with formal TIA 942C auditor accreditation, which means faster timelines, lower cost, and fewer corrective action cycles than routing through an international certification body. TIA 942C certifies data centre infrastructure at Rated 1 through Rated 4 across four categories: architecture, electrical, mechanical, and telecommunications.

There are three certification types, each serving a different stage of the project lifecycle. Design Certification validates design documents before construction begins, letting MTDC developers and investors market to tenants and close lease agreements while the facility is still being built. Facility Certification validates the operational, constructed asset against its rated level under actual conditions, and is increasingly a mandatory lease condition for colocation and MTDC operators. Product-Ready Certification certifies individual infrastructure products, such as prefabricated modules, UPS systems, and cooling units, against TIA 942C component requirements for equipment manufacturers.

India-based accredited auditor

6–12 weeks typical to certificate

Design · Facility · Product-Ready

WHAT WE DELIVER

Six deliverables, gap analysis to surveillance

01

Site Survey & Gap Analysis

Assessment of current compliance posture against TIA 942C requirements, with prioritised gaps and a realistic remediation timeline.

02

Corrective Action Plan

Structured gap remediation guidance: what needs to change, in what order, and what evidence closes each item before formal audit.

03

Formal Audit Report

Comprehensive report summarising compliance status and the rated Tier level achieved across all four TIA 942C categories.

04

TIA 942C Certificate

Formal Design or Facility Certificate issued by Technavious as TIA-licensed Certification Body, globally recognised and audit-ready.

05

Annual Surveillance Plan

Structured programme for Years 2 and 3 surveillance audits to maintain certification status, managed to minimise operations burden.

06

Product-Ready Certificate

Separate certification programme for equipment manufacturers, confirming TIA 942C component compliance under the same accreditation.

WHY TECHNAVIOUS

The India-based accreditor advantage

6–12 weeks typical to certificate, against 16–24 weeks through an international certification body.

1

Faster and materially lower cost

India-based accreditation removes the international travel premiums, scheduling delays, and international body fees that stretch a typical certification to 16–24 weeks.

2

Full design history when we designed the facility

When Technavious designed the facility, the certification team inherits complete design intent documentation, meaning fewer CAPA cycles and a cleaner audit trail.

3

100+ TIA 942C-certified reference design library

Every design in our library has already been through a formal TIA 942C audit process, which is why facilities Technavious has designed reach certificate faster with fewer CAPA cycles.

HOW WE WORK

Five phases from scoping to certificate

01	02	03	04	05
Scoping	Gap analysis	Remediation	Formal audit	Surveillance
Cert type, target rated level, and timeline confirmed. Facility documents requested.	Desktop review and gap analysis report with prioritised remediation guidance.	CAPA items closed with evidence. Technavious supports the client team throughout.	On-site TIA 942C audit by accredited auditor. Audit report produced. Certificate issued.	Annual surveillance audits in Years 2 and 3 to maintain active certification status.

CASE STUDIES

Assessment and compliance work we have delivered

PRIVATE SECTOR BANK

DC health-check and operations assessment across 40+ infrastructure tests and an eight-category O&M process audit. 500+ days of uninterrupted operations and 100% SLA performance achieved following remediation.

AUTOMOBILE MANUFACTURING PLANT

DC audit after planned UPS maintenance took 40–50% of racks offline for 8–9 hours. Root cause corrected across all 50 racks, with full N+1 redundancy restored.

INFRASTRUCTURE PROJECT CLIENT

Risk assessment of pending post-IST documentation, commissioning reports, and handover packages. All four high-risk documentation streams reduced to low risk with measurable closure milestones.

FREQUENTLY ASKED QUESTIONS

What operators ask about TIA 942C certification

What is TIA 942C and what do the Rated levels mean?

TIA 942C is the ANSI standard for data centre infrastructure across architecture, electrical, mechanical, and telecommunications. Rated 1 provides basic capacity with single non-redundant paths. Rated 4 is fully fault-tolerant. Most commercial MTDC campuses target Rated 3, concurrent maintainability with N+1 redundant capacity.

Does Design Certification allow us to market before the facility is built?

Yes. Design Certification validates your planned infrastructure at the design stage, before construction begins, letting you publish certification status and approach tenants, in many cases closing lease agreements before the facility is operationally complete.

What happens if our facility has gaps at the audit?

A TIA 942C audit does not produce a binary pass or fail. It produces a list of non-conformances by severity. Our gap analysis and CAPA process is designed to identify and close all major non-conformances before the formal audit commences.

Is annual surveillance mandatory after certification?

Yes. Annual surveillance audits are required in Years 2 and 3 to maintain active certificate status. Technavious's post-certification programme manages the full process to minimise disruption to the operations team.

Ready to start your TIA 942C certification?

Tell us your certification target and project stage, and we will help you understand your readiness and the right path to certificate.

[Talk to us today](#)