

ALQABBAT ADVISORY

Riyadh, Kingdom of Saudi Arabia

SREF ASSESSMENT CALCULATOR

QUICK MATURITY DIAGNOSTIC

DOMAIN A

DOMAIN B

DOMAIN C

Extracted from Saudi Industrial Edge Compliance — Practitioner's Guide

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HOW TO USE THIS ASSESSMENT

This calculator provides a first-pass maturity diagnostic across the three SREF® compliance domains. It is designed to be completed in 15 minutes by a CISO, compliance lead, or senior assurance officer.

Scoring

Score each statement on a scale of 0 to 3:

SCORE	LEVEL	MEANING
0	Not Present	No evidence of this control or practice exists in the organisation.
1	Partially Present	Some activity exists but it is informal, inconsistent, or undocumented.
2	Present but Not Tested	A defined control or process exists and is documented but has not been independently tested or validated.
3	Present, Tested, Evidenced	The control is documented, operational, has been independently tested, and audit-ready evidence can be produced on request.

Each domain has 10 statements. Maximum score per domain is 30. Your combined score across all three domains determines your SREF® Maturity Level.

DOMAIN A

OTCC/ECC Auditability

(Maximum: 30 points)

ASSESSMENT STATEMENT	SCORE (0-3)
Our OT/edge asset inventory is complete, current, and formally maintained.	-----
Configuration baselines exist for all critical OT/edge systems and are version-controlled.	-----
Change control procedures are applied to OT/edge systems with documented approval records.	-----
Event logging is configured across OT/edge systems and retained for a defined, auditable period.	-----
Access control and privileged operation records are maintained and can be reconstructed for any event.	-----
Command path verification procedures exist for critical OT control actions.	-----
Interlock and fail-safe accountability records are maintained and reviewed periodically.	-----
Our organisation can demonstrate alignment with OTCC-1:2022 across all four domains.	-----
We have conducted an independent OTCC/ECC audit in the past 24 months with documented findings.	-----
IEC 62443 alignment has been assessed and gaps formally documented.	-----
DOMAIN TOTAL	_____ / 30

DOMAIN B

Data Residency

(Maximum: 30 points)

ASSESSMENT STATEMENT	SCORE (0-3)
A current data flow map exists covering all industrial data from source through to final destination including cloud and vendor systems.	-----
Industrial data has been formally classified by sensitivity, and residency controls are defined per classification tier.	-----
All vendor contracts include explicit data residency and handling obligations.	-----
Default vendor replication, backup, and telemetry settings have been reviewed and where necessary disabled or restricted.	-----
Cross-border data transfers have been assessed under ECC-2:2024 governance requirements.	-----
PDPL applicability has been assessed for all systems in the industrial environment that may process personal data.	-----
Residency validation testing has been conducted to verify that data does not leave intended boundaries.	-----
Cloud analytics and AI platforms have been assessed under CCC-2:2024 requirements.	-----
Our data governance framework has been updated to reflect ECC-2:2024 (not just ECC-1:2018).	-----
We can produce evidence of residency compliance for any industrial data asset within 48 hours of an audit request.	-----
DOMAIN TOTAL	_____ / 30

DOMAIN C

Edge-to-Cloud Control Integrity

(Maximum: 30 points)

ASSESSMENT STATEMENT	SCORE (0-3)
Trust boundaries between edge and cloud domains are formally mapped and reviewed.	-----
Command and configuration propagation paths between edge and cloud are documented and governed.	-----
State synchronisation between edge and cloud layers is monitored with defined drift detection thresholds.	-----
Authoritative state is clearly defined for all hybrid control paths (which layer governs under which conditions).	-----
Patch and update governance covers edge systems, including vendor-managed components.	-----
Control consistency verification is performed across layers after any significant change event.	-----
Tamper resistance controls are applied to critical control path communications.	-----
Our organisation can demonstrate that the edge continues to operate safely in a defined autonomous mode if cloud connectivity is lost.	-----
Integrity failures in control paths are detected, logged, and escalated through a defined process.	-----
Revenue impact of control integrity failures has been formally assessed and is reflected in the organisation's risk register.	-----
DOMAIN TOTAL	_____ / 30

SREF® MATURITY INDICATOR

Add your three domain scores to calculate your overall SREF® Maturity Level.

Domain A (Auditability)	_____ / 30
Domain B (Data Residency)	_____ / 30
Domain C (Edge-to-Cloud Control Integrity)	_____ / 30
TOTAL SCORE	_____ / 90

TOTAL SCORE	SREF® MATURITY LEVEL	RECOMMENDED ACTION
0-18	Level 1 – Ad Hoc	Immediate Saudi Market Diagnostic required. Material sovereign revenue exposure is highly probable.
19-36	Level 2 – Documented	SREF® Gap Assessment recommended. Controls are described but not reliably tested or evidenced.
37-54	Level 3 – Controlled	SREF® Domain Assessment recommended. Identify and close the evidence gaps in your weakest domain.
55-72	Level 4 – Auditable	SREF® Certification Assessment recommended. You are approaching sovereign assurance readiness.
73-90	Level 5 – Sovereign-Assured	Full SREF® Certification. Annual recertification recommended to maintain sovereign assurance status.

This calculator is a first-pass diagnostic tool only. A full SREF® Clinical Audit requires on-site evidence review, architecture assessment, and practitioner-led testing across all ten audit domains.

WHAT'S YOUR NEXT STEP?

This assessment is extracted from *Saudi Industrial Edge Compliance – Practitioner's Guide*, the 282-page operational manual for achieving sovereign compliance at the Saudi industrial edge.

The full framework includes 10 audit domains, 47 test procedures, a 90-day execution mandate, remediation roadmaps, and board reporting templates.

Get the Complete Framework:

alqabbatadvisory.com/book?edition=practitioners-guide

Or contact Ahmad Alqabbat directly:

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Sovereign Architecture for the Industrial Edge