MLIT's Inspection Support Technology Performance Catalog — Japan's National Certification System for AI Bridge-Damage Detection

AI in the Public Sector · Good practice · Japan

Quality score: 87/100

Evidence strength: Strong

Summary

MLIT runs a national catalog certifying AI and sensor-based bridge/tunnel inspection technologies against published performance criteria. Listings grew from 12 to 215 between 2019 and 2025, and use became mandatory on national-expressway inspections from fiscal year 2022.

Key dimensions

Dimension	Score
Evidence of impact / measured public value	2/3
Transparency, fairness & accountability	2/3
Transferability / demonstrated replication	3/3
Scalability beyond pilot	3/3
Governance, capability & sustainability	3/3

Evaluated by C-NAPSE

Data sources

C-NAPSE web research — accessed 2026-08-13

Japan Ministry of Land, Infrastructure, Transport and Tourism (MLIT) — accessed 2026-08-13

MLIT: Inspection Support Technology Performance Catalog — accessed 2026-08-13

JBEC: Inspection Support Technology Performance Catalog overview — accessed 2026-08-13

MLIT technology sheet: BMStar AI damage-detection technology (PDF) — accessed 2026-08-13

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