

From Gautrain to Broadband CIP

In 2004 I stood here before a single rail was laid.

Today I ask: can broadband rollout be treated as Critical Infrastructure —
with speed, security, and inclusivity?

ICASA Public Hearing
Rapid Deployment Regulations
14 July 2026

Ref: DIGIV8-ICASA-RD-2026-V2

Section 17 Gap — Procedural, Not Technological

Wayleave Dead-Zone

iECNS licensees investing billions face open-ended municipal delays. Local authorities lack automated tracking tools. Manual engineering reviews stall builds for months.

GIS Exposure Paradox

Draft Regs demand data but offer no security guarantees. Regulation 7 forces submission of raw network topology — a potential sabotage roadmap for criminal syndicates.

No System Guarantees

Operators face compliance obligations without reciprocal accelerated municipal approval. The regulations regulate those who want to build, while leaving the bottleneck untouched.

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Why CIPA Classification Matters

01

Strategic Asset Elevation

Classifying broadband rollout under CIPA (Act 8 of 2019) elevates it to a declared national strategic asset — unlocking prioritised treatment across all spheres of government.

02

Time-Bound Legal Foundation

CIPA provides the legal authority for binding, time-constrained municipal obligations — replacing open-ended discretion with enforceable clearance windows.

03

Secure Data Handling

CIPA mandates compartmentalised, security-vetted data handling protocols — giving ICASA the statutory hook to enforce zero-trust GIS data sovereignty without new legislation.

Fully actionable under Section 17 of the ICASA Act and Chapter 4 of the ECA · Requires ZERO legislative amendments

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DigiV8 Turnkey Architecture

A

CIP Fast-Track Gateway

Trusted Frontliner Protocol

- Anchor intake in CIPA (Act 8 of 2019)
- iECNS licensees = National Critical Infrastructure Frontliners
- Instant verification: Regulatory Standing · Secure API Commit · SSA Clearance

B

Two-Lane Workload Segmentation

Standard 30-day vs Fast-Track 7-day

- Standard Lane (30 days): unverified builders, manual review
- Fast-Track Express (7 days): verified Trusted Frontliners via API
- 7-Day Hard-Lock: no objection = automatic, unalterable approval

C

Zero-Trust GIS API Layer

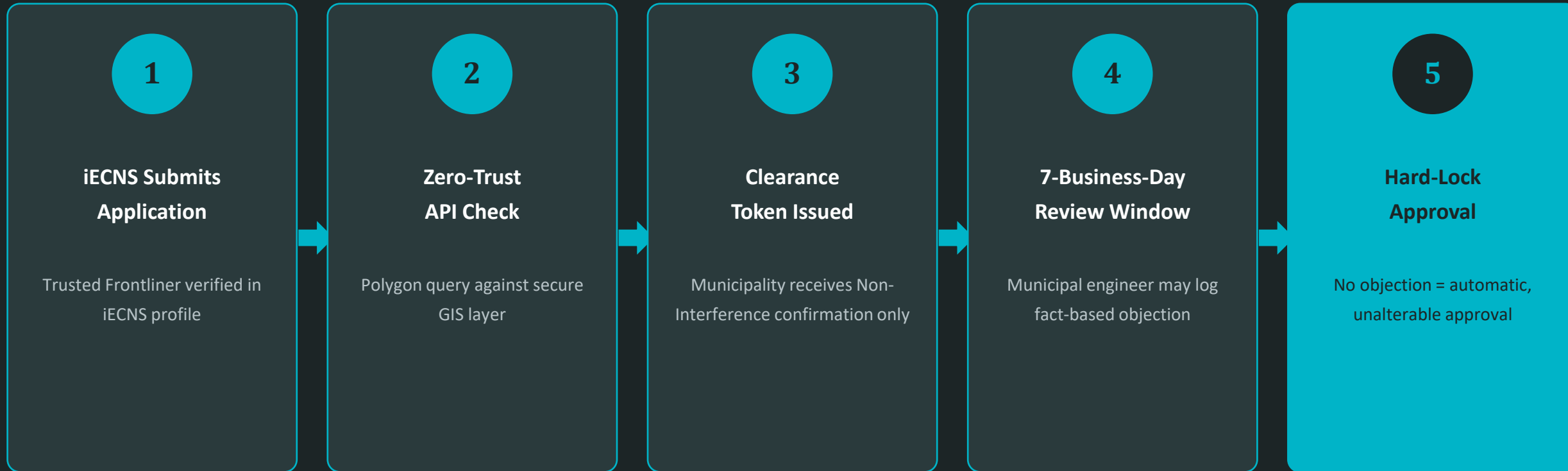
No Raw Layout Disclosure

- Operators never surrender raw topology blueprints
- Municipalities receive polygon verification token only
- Token confirms: Non-Interference with Water/Electricity Layouts

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Request → API Check → Token → 7-Day Review → Auto-Approve



Municipal officials receive only a polygon token — never the comprehensive national backhaul topology

Who Sees What

STAKEHOLDER	ACCESS LEVEL	SCOPE	AUTHORITY
 Municipal Officials	Polygon Tokens Only	Localised, time-bound non-interference confirmation	7-day veto window with fact-based objection requirement
 ICASA Rapid Deployment Council	Aggregated Audit Logs	System-level oversight across all submitted clearance queries	Oversight, PDCA governance, bi-annual protocol review
 iECNS Licensees (Incumbents)	Own GIS Data — Verification Calls	Operators retain full proprietary topology — never surrendered	Drive the submission; own the asset intelligence
 SSA-Vetted Custodians	Full Classified GIS — Read Only	Confidential/Secret cleared administrators under CIPA protocol	National security backstop — forensic audit authority
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Neutralising Syndicate Extortion

— The Co-ownership Model

THE PROBLEM

The 30% Extortion Loop

Construction syndicates exploit the social vacuum created when communities feel economically excluded from infrastructure crossing their territory.

Sites are shut down through intimidation.
Untraceable cash demanded under the guise of community empowerment.

This halts deployment velocity, escalates operator costs, and undermines constitutional rights.



Pre-vetted NPCs

Community development pooling through registered, accountable Non-Profit Companies



Local Business Forums

Transparent SMME civil procurement windows — formalising local economic participation



Traditional Leadership

Amakhosi and Izinduna engagement for cultural legitimacy and community buy-in



Digital Ambassadors

Operator-led insourcing of township youth — bypassing volatile political gatekeepers

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Why iECNS Licensees Gain

 Faster Civil Works

7

business days

Predictable timelines replace open-ended municipal queues. Hard-lock approval on day 8 if no fact-based objection received.

 Safer Construction Sites

0

raw GIS exposed

Reduced extortion risk through community integration matrix. Sites embedded in local economic ecosystems become community assets — not targets.

 Local Labour Pipelines

100%

transparent procurement

Formal SMME procurement windows and youth insourcing create legitimate local employment — removing the vacuum syndicates exploit.

 Topology Protection

Zero

topology disclosure

Proprietary backhaul routes, fibre paths, and tower topology remain encrypted and operator-held. No raw GIS map ever reaches a local authority.

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30-Day Deemed Approval | 7-Day Hardlock | DigiV8 Hybrid

Option A

30-Day Deemed Approval

- ✓ Silence = approval after 30 days
- ✓ Useful low-hanging fruit
- ✓ Minimal implementation friction

- ✗ Does not fix GIS data quality
- ✗ Open-ended municipal inertia persists
- ✗ No security safeguards added

PARTIAL FIX

Option B

7-Day Automated Hardlock

- ✓ Automated token — 7 days to object
- ✓ Preferred operational tool
- ✓ Forces GIS data harmonisation

- ✗ Requires API infrastructure build-out
- ✗ Needs operator system integration
- ✗ Standalone without community layer

PREFERRED TOOL

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Option C

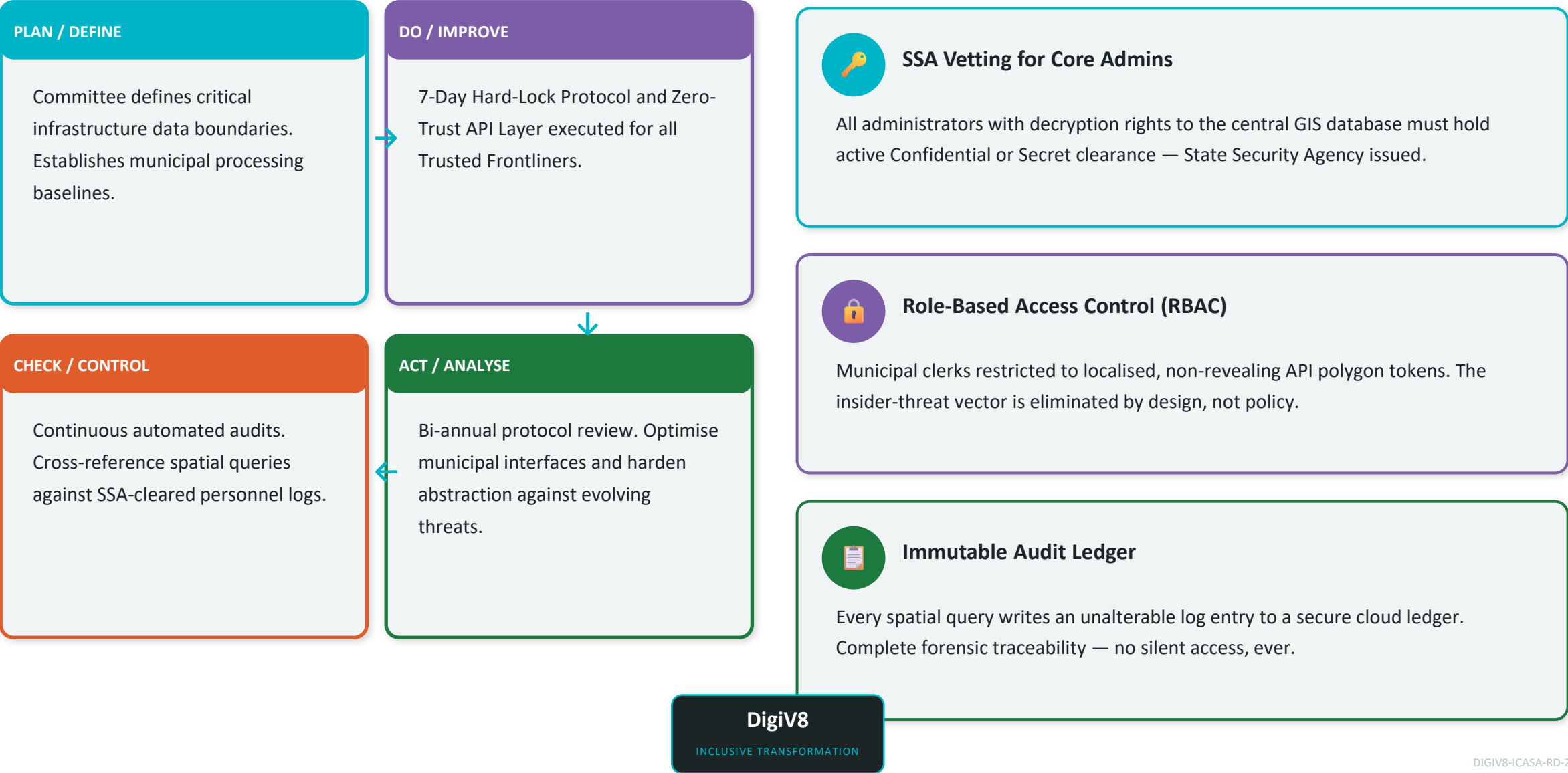
DigiV8 Hybrid Architecture

- ✓ CIPA + Hardlock + Community Matrix
- ✓ Binding, inclusive, and pragmatic
- ✓ Answers all ACT and ISPA concerns

- ✗ Requires Critical Infrastructure designation
- ✗ Phased implementation timeline needed
- ✗ Sandbox pilot recommended first

RECOMMENDED

Auditability and Continuous Improvement



From Rail to Fibre — Foundational Leadership

2004

I stood here before a single rail was laid. I wrote the position paper that let Gautrain self-provision its own infrastructure. The rail came. The system worked.



2026

Today I stand before a single polygon token enforced. DigiV8 completes ICASA's benchmarking — fast, fair, and secure.

The fibre will come. The system is ready.

FORMAL REQUEST

DigiV8 respectfully requests the Rapid Deployment Council Committee to grant a sandbox demonstration of the Zero-Trust GIS API architecture and CIP governance framework — under Section 17 of the ICASA Act.

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