CYIENT | Nothing Less

# 40% Less Rework. Up to 80% Faster Validation.

## Deployment-ready Network Data.

**Catch hidden data issues before they slow permits, delay construction, or trigger costly downstream fixes with Cyient's network data validation toolkit.**

## Why data issues slow network deployment?

Telecom network design, permits, TCP creation, and data migration involve hundreds of interconnected elements and strict standards. Even small design or documentation issues can delay approvals, affect construction schedules, and increase rework.

- Issues surface late, so teams absorb rework, delays, and avoidable cost.
- Reviews stay manual and inconsistent, so cycle time depends on who reviews what.
- Handoffs multiply and ownership blurs, so decisions stall and the same defects repeat.
- Data mismatches break alignment between teams - design, field, and systems end up working from different "versions of truth."
- Late-stage fixes don't just delay delivery, they increase the chance of rejections at the finish line, forcing another cleanup cycle.

## What you get with Cyient!

Cyient's data validation toolkit is a rule-driven, ML-assisted framework that helps telecom teams validate design accuracy, constructability, and regulatory compliance across the lifecycle, reducing manual effort, improving quality, and increasing first-pass approval rates.

| Faster validation, lower rework | 25–40% lower rework costs | 20–30 % higher permitting success rates | 60–80% faster validation turnaround | 30–50% better first-pass GIS acceptance |
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## How it works and why it's different?

### Checks data readiness first

It runs completeness and consistency checks upfront to confirm whether the dataset is ready for deeper validation and downstream use.

### Applies automated validation rules

It applies 25+ automated checks to identify gaps, conflicts, and compliance issues before they affect permitting, TCPs, migration, or loading.

### Takes users to the right issue

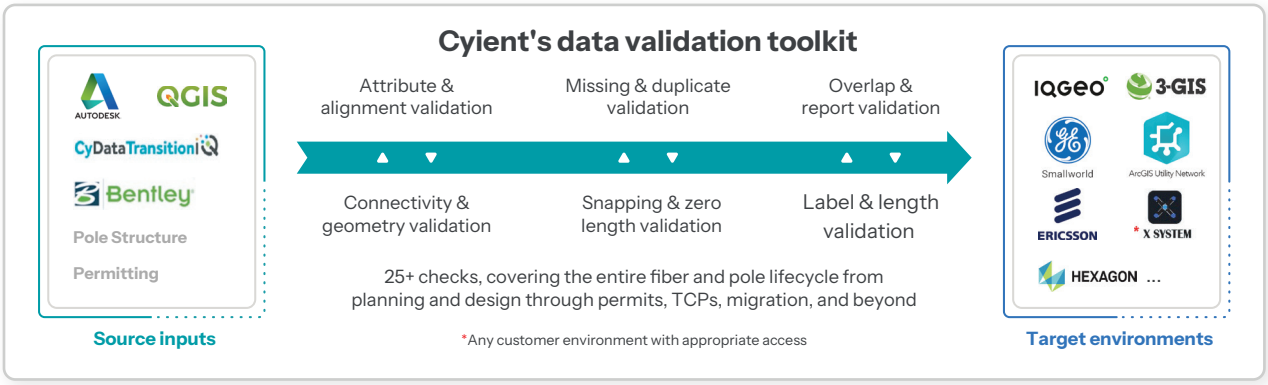
Guided navigation takes users to the affected record or location, making review, ownership, and closure faster.

### Fixes eligible issues automatically

Predefined logic fixes eligible issues automatically while keeping users in control of what is corrected and accepted.

### Checks data readiness first

Validated outputs align to target platform requirements, including 3GIS, IQGeo, and GE Smallworld, helping reduce downstream friction and load fallout.




## The Cyient advantage: Elevating your network data to deployment-ready excellence

### 35+ years of engineering execution at scale
Proven telecom and GIS rigor that helps you get data readiness right from the start.

### Fewer permitting and construction-planning surprises
Catch issues early before they turn into fallout, reroutes, or missed windows.

### Faster to deployment-ready, not just validated
Move from repeated review cycles to outputs aligned to 3GIS, IQGeo, and GE Smallworld requirements.

### Consistency across teams and stages
Standard checks and guided navigation reduce reviewer dependency and keep quality consistent from planning through migration.

### Better control of timeline and budget
Reduce late-stage cleanup, rework, and load fallout before they erode margin and delivery confidence.

### Automated from verification to correction
Validation and uplifting modules use scripts, RPA, and data-driven checks to speed issue resolution.

### Higher data quality, fewer downstream defects
Automated migration, validation, cleansing, and reconciliation improve integrity, bridge design-to-build gaps, and reduce mismatches and rework.

## Could hidden data issues be slowing deployment?

**Book a quick session to see how Cyient's Network Data Validation Toolkit helps uncover issues early, reduce rework, and accelerate acceptance.**

Cyient is a global lifecycle engineering services company powering mission-critical industries from design to aftermarket across products, plants, and networks. With 300+ customers and 15,000+ associates across 30+ countries, we combine human expertise, deep domain knowledge, and AI to deliver intelligent engineering for every lifecycle across Aerospace and Rail, Automotive and Mobility, Connectivity, Energy, Healthcare, Mining, Utilities, and beyond.

To learn how we deliver exemplary outcomes, nothing less, visit www.cyient.com.

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