Infrastructure Verification as a Service
A Standardized Approach to Infrastructure Documentation and Management

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Infrastructure Verification as a Service (IVaaS)

• Level 1: OSP, Backbone, & Critical Circuits
• Level 2: Horizontal Cabling & WAO
• Level 3: Patching & Cross-Connects
How is IVaaS Achieved?

Assessment
- 360° Photos
- Space Assessment
- Survey Report

Survey
- Tracing & Toning
- Confined Space Access
- Cable Labels
- Schematics & Site Plans

IVaaS
- Tracking work performed
- Updating Database
- Client Relationship
360° Photo-Documentation
360° Photo-Documentation
OVERVIEW

1. The Paradigm Shift
   • The “It is what it is” mentality
   • A Standardized Process

2. Predictable Problems
   • Limited Resources
   • End User Adoption
   • Back-Office Process

3. Best Practices
   • Processes & Certifications
   • Introducing: The Assessment

4. IVaaS: A New Approach
   • Confidence in Infrastructure
   • Cost/Time Savings
   • Reduced Frustration
Work is Done in the Cloud

“2017 Forecast: $246.8 billion in total worldwide revenue” – Gartner

“The global public cloud market is growing at a 22% rate and will top $146 billion in 2017, up from just $87 billion in 2015” – CIO

“More than 50% of IT spending will be cloud-based by 2018” – Forbes
The Goal

Maintenance of accurate and actionable data throughout the entirety of an infrastructure’s lifespan:

- Accurate Knowledge Base
- Future Planning
- Faster Disaster Recovery
- Fewer disruptions
- Reduced Frustration
- Confidence

“The most common cause of lost connectivity is cut cables. Cables get cut, no one knows who did it, and then things go down.”

– David Wallis, CEO
NewConnect
“...Inventory validation should be an on-going effort to provide a complete and accurate baseline...”
Understanding The Players

1. End User
2. Contractors
3. Industry
End User & Contractor

- Key Person Risk
- Site is crippled without him/them
- Limited or non-existent QC

“The key, I believe, is to have someone ‘own’ the responsibility of keeping documentation updated.”

—Cindy Montstream, RCDD, Director of Technology Support & Training, Legrand N.A.
End User & Contractor

- Project Management
- Software
- Processes
- Training
- Dedicated Resources/Redundancy
“Commitment to cable management is a full time job.”

“Do not try to do more than your resources will allow; focus on the important things.”

“Field Surveys are critical to document the accuracy of your infrastructure.”

Barriers To Success

Lessons Learned - LAX. Mark Pohl, Los Angeles World Airports.
IVaaS Process Structure

Basics

Customer

IVaaS Center
(“Back Office”)

Update to IVaaS Center

Contractor
Internal

Work Completed

“The entire effort of documentation is meaningless if the output is not trustworthy.”

–Chris Holbrook, WireCAD
"Having accurate documentation for service work allows us to significantly reduce our time on site."

–Alberto Luna, Analyzed Low Voltage LLC, BICSI Technician
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“Knowing what conduit fill and availability in campus manholes allows you to plan more quickly and efficiently.”

–Jerry Allen, PHD Mechanical Engineering, CSRS LLC
Thank You!

For follow up questions or more information about Infrastructure Verification as a Service, please feel free to contact us:

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