Optimizing collaboration during certification of digital infrastructure

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Agenda

- Which pain points and causes for time wasted need to be addressed?
- How does a SaaS based solution improve the situation significantly even with minimum changes to the current work flow?
- How does a full implementation with more elements available in the management tool help to improve the situation even further?
**800+ Installers VOCs:**

**Top eight problems (hours wasted)**

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Average amongst all respondents in the previous 30 days
**Step 1: Project Definition**

- **Create Project**
- **Inspect & Clean**
- **Monitor & Document**

**BASIC Tests**

- EXT. Tests: no
- Doc. Endf.: no
- Grade End faces: all

- **EXTENDED Tests**

**Trouble Shoot**

- all or conditional
... Project Definition

- Limits, Cable Types, Cable ID are best known by the planner/project-manager
- New relaxed ISO limits do not reflect what is possible and/or needed to be future ready → Custom Limits

- Limits
- Cables
- Cable ID

Create Project
Building Blocks ... Project

- Cable Type(s)
- Test Limit(s)
- Cable ID Lists(s)
- Test Regime
  - Copper
  - Fiber
    - BASIC (LSPM)
    - EXTENDED (OTDR)
    - End Face Grading
SaaS .... Minimum Rollout
“USB Stick in the Cloud” Model
SaaS …. Standard Rollout
PM defines entire Project in a SaaS
Projects Change
Links Were Added

- Verify limits
- Update Documentation
- Create Invoice
Projects Change

Test Criteria Was Modified

- Verify limits
- Update Documentation

Example:
Some links need to be tested to MPTL instead of PL Limits
3. Charles Puller - Technician
   - Fixes **FAILing** link LWL-W-F2-013
   - Tests link EXTRA-01

4. John Master Project Manager
   verifies the progress and test results
John: verifies the progress and test results...
3. Charles Puller - Technician
   - Fixes **FAIL**ing link LWL-W-F2-013
   - Tests link EXTRA-01

4. John Master Project Manager
   verifies the progress and test results
SaaS .... **Standard Rollout**

*John defines entire Project LWL Bank East in a SaaS*
John defines entire
Project LWL Bank East in a SaaS

**LWL Bank East**

- Sep.1 to Okt.1

Configuration: LWL-B-SOW-MM
Limits from LWL Bank Std „LWL-B-SOW-MM“ Con. 0.4 / Spl. 0.1 / 3.2/1.2 dB/lm
→ Test Limit: „LWL-B-SOW-MM“

**Cable ID List 1:**
- LWL-E-F1-001A ...
- LWL-E-F1-016B

**Cable ID List 2:**
- LWL-E-F2-001A ...
- LWL-E-F2-032B

**List 3:** Import from Back Bone Plan BB-01

Technician C. Puller
John defines entire Project LWL Bank East in a SaaS
**SaaS .... Standard Rollout**

John defines entire Project LWL Bank East in a SaaS

1. John Master - Project Manager defines the entire project in LWL
2. Charles Puller – Technician receives new project
800+ Installers VOCs:
#2 & #3 relate to cable ID’s

Incorrect / duplicate / missing / unexpected IDs make consolidation a nightmare

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Incorrect / duplicate / missing / unexpected IDs make consolidation a nightmare
Labels
#1 “The Standard” reporting or sharing of secure result files

#2 Ad Hoc reporting via e-mail triggered from mobile devices
Visibility for ACE’s & Manufacturers

Project 1
- ACE 1
- Project 1
- LIST 02: ID0001, ID0002, ID0003, ID0004, ID0005, ID0006, ID0007
- LIST 03: ID0001, ID0002, ID0003, ID0004, ID0005, ID0006, ID0007
- LIST 01: ID0001, ID0002, ID0003, ID0004, ID0005, ID0006, ID0007

Project 2
- ACE 2
- Project 2
- LIST 02: ID0001, ID0002, ID0003, ID0004, ID0005, ID0006, ID0007
- LIST 03: ID0001, ID0002, ID0003, ID0004, ID0005, ID0006, ID0007
- LIST 01: ID0001, ID0002, ID0003, ID0004, ID0005, ID0006, ID0007

Project 3
- ACE 1
- Project 3
- LIST 02: ID0001, ID0002, ID0003, ID0004, ID0005, ID0006, ID0007
- LIST 03: ID0001, ID0002, ID0003, ID0004, ID0005, ID0006, ID0007
- LIST 01: ID0001, ID0002, ID0003, ID0004, ID0005, ID0006, ID0007

Manuf. 1
- ACE 1
- Project 1
- List.

Manuf. 2
- ACE 1
- Project 2
- List.

Manuf. 3
- ACE 1
- Project 3
- List.
Sub Contracting

Rights for Subcontractor are defined by master contractor
1. Test Only
2. Create Project and Test
Collaboration between Teams

Phase I

Team-1

Team-2

LIST 01
ID1001
ID1002
ID1003
ID1004
ID1005
ID1006
ID1007

LIST 02
ID2001
ID2002
ID2003
ID2004
ID2005
ID2006
ID2007

LIST 03
ID3001
ID3002
ID3003
ID3004
ID3005
ID3006
ID3007

LIST 04
ID4001
ID4002
ID4003
ID4004
ID4005
ID4006
ID4007

LIST 05
ID5001
ID5002
ID5003
ID5004
ID5005
ID5006
ID5007

Phase II

Project Mgr.

Team-X

LIST X
ID1005
ID2002
ID2007
ID3001
ID4001
ID4005
ID5006
ID5007

BICSI Dubai 2019
Conclusio

SaaS based project management tools....

- Help to prevent expensive configuration mistakes
- Allow those with access to the SOW, meeting notes, correspondence and contracts to define the scope of work
- Help to prevent gaps, duplicates and uncertainties in the consolidation process
- Help to monitor the progress of work
  - Dispatch experts as needed
  - Add additional resource as needed
- Allow to involve ACE’s, Manufacturer’s SE end customers as observers or administrators
- ... become the core of a “Certification Eco System”
Thank You for Your Attention!

Questions?

END