

Optimizing collaboration during certification of digital infrastructure

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





800+ Installers VOCs:

Top eight problems (hours wasted)



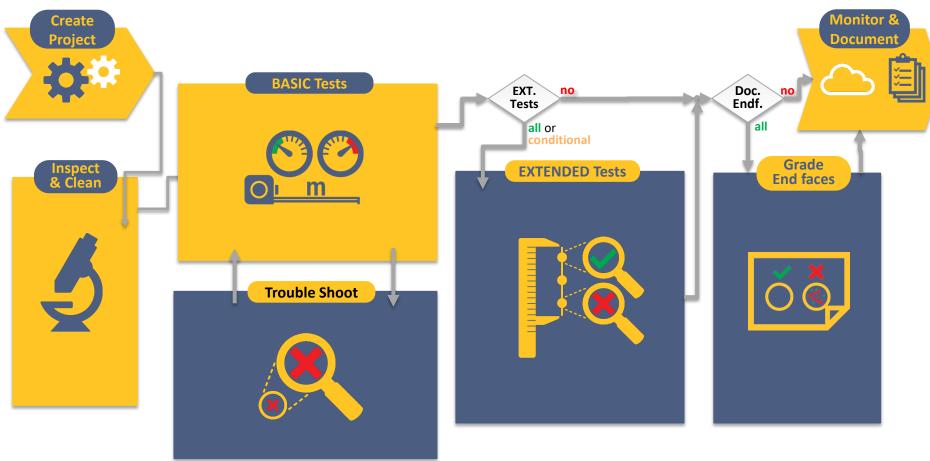
| Pos | Problem | hours |
|-----------|------------------------|-------|
| 1. | WRONG COPPER LIMIT | 4.3 |
| 2. | INCORRECT CABLE ID's | 3.2 |
| 3. | CONSOLIDATING RESULTS | 3.1 |
| 4. | SETTING UP COPPER TEST | 2.9 |
| 5. | EVALUATING OTDR TRACE | 2.9 |
| 6. | WRONG FIBER LIMIT | 2.8 |
| 7. | NEGATIVE LOSS | 2.8 |
| 8. | TROUBLESHOOT COPPER | 2.7 |

Average amongst all respondents in the previous 30 days





Step 1: Project Definition







... Project Definition



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







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



LIST 03

□ ID0002□ ID0003□ ID0004

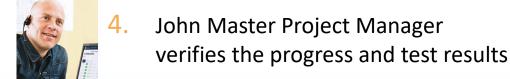
ID0007



Saas Minimum Rollout "USB Stick in the Cloud" Model

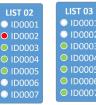


- Charles Puller Technician
 - Fixes FAILing link LWL-W-F2-013
 - Tests link EXTRA-01









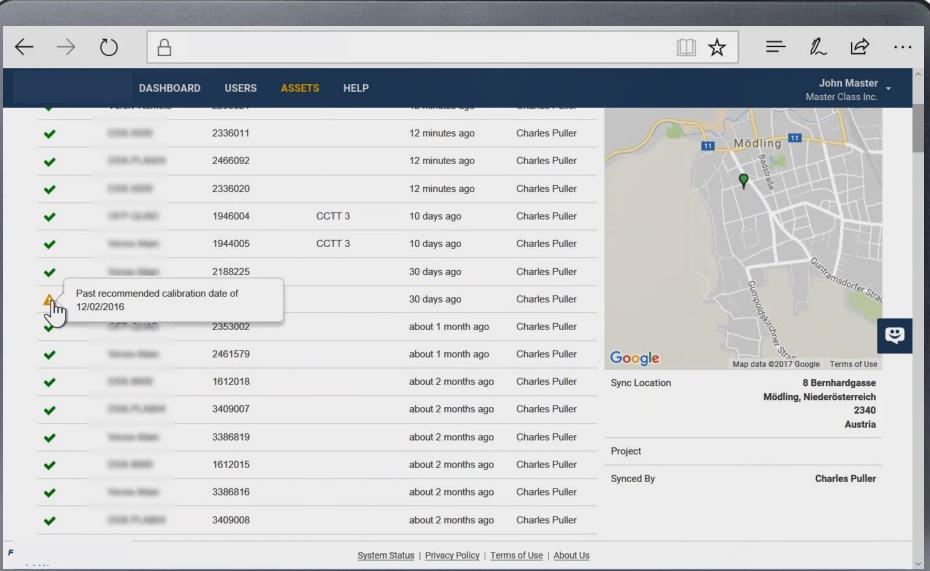




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John: verifies the progress and test results...



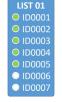


SaaS Minimum Rollout "USB Stick in the Cloud" Model

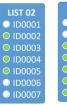


- 3. Charles Puller Technician
 - Fixes FAILing link LWL-W-F2-013
 - Tests link EXTRA-01





LIST XX







John Master Project Manager verifies the progress and test results



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SaaS Standard Rollout

John defines entire Project LWL Bank East in a SaaS



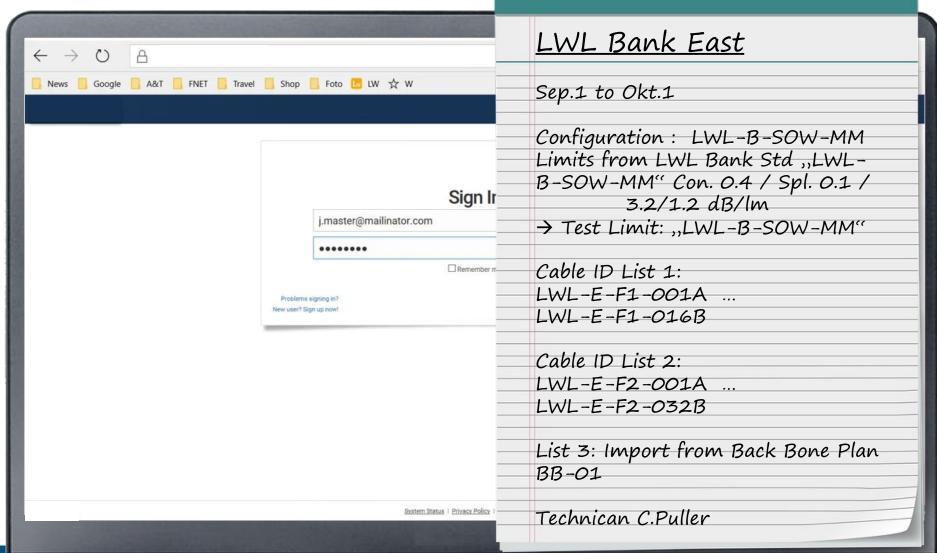






John defines entire Project LWL Bank East in a SaaS

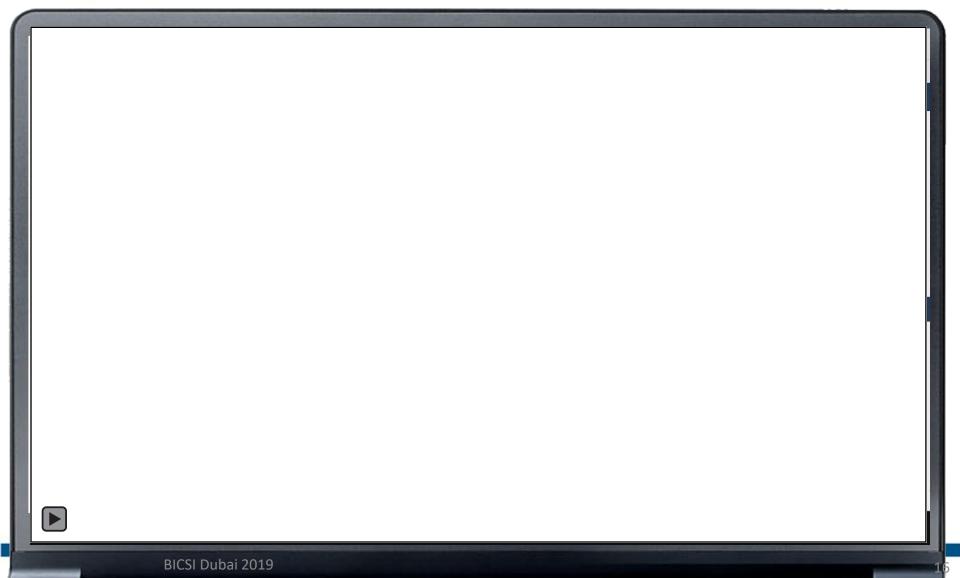






John defines entire Project LWL Bank East in a SaaS

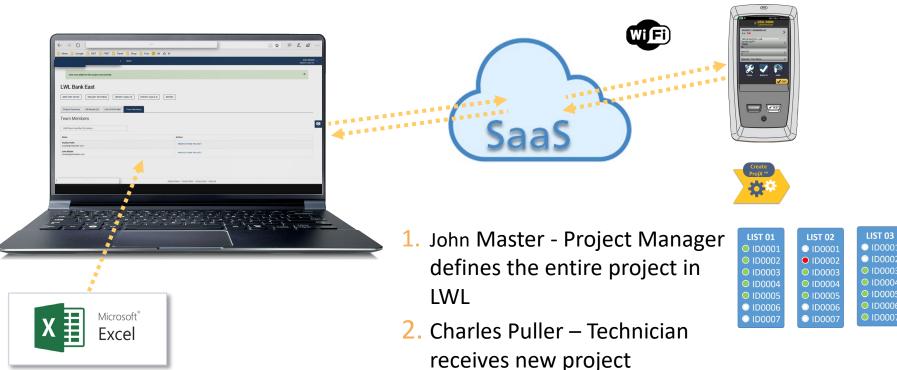


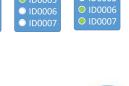




SaaS Standard Rollout John defines entire Project LWL Bank East in a Saas









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800+ Installers VOCs: #2 & #3 relate to cable ID's



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





Labels







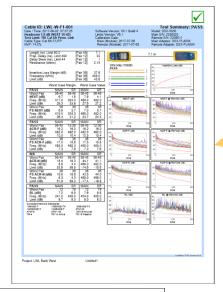




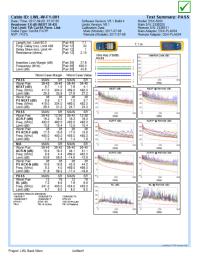
SaaS & Traditional Reporting



#1 "The Standard" reporting or sharing of secure result files



#2 Ad Hoc reporting via e-mail triggered from mobile devices

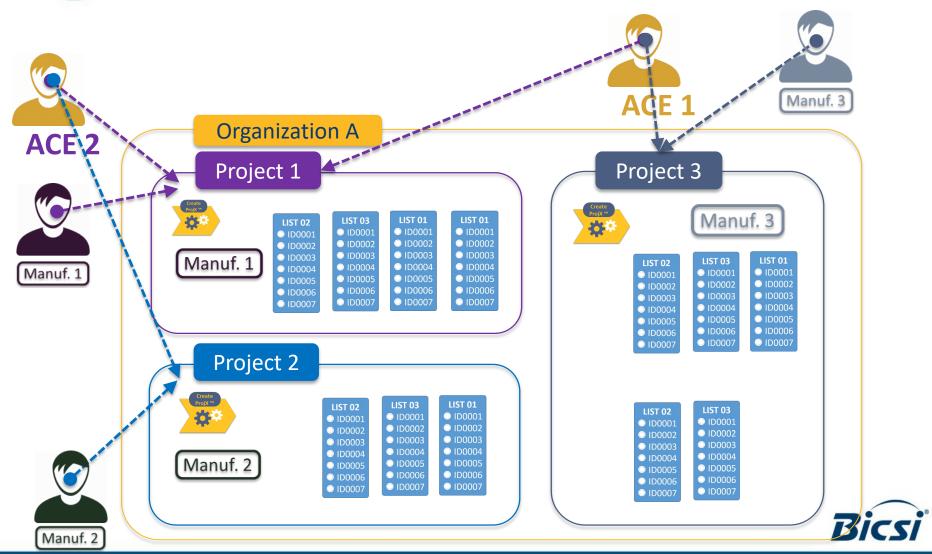


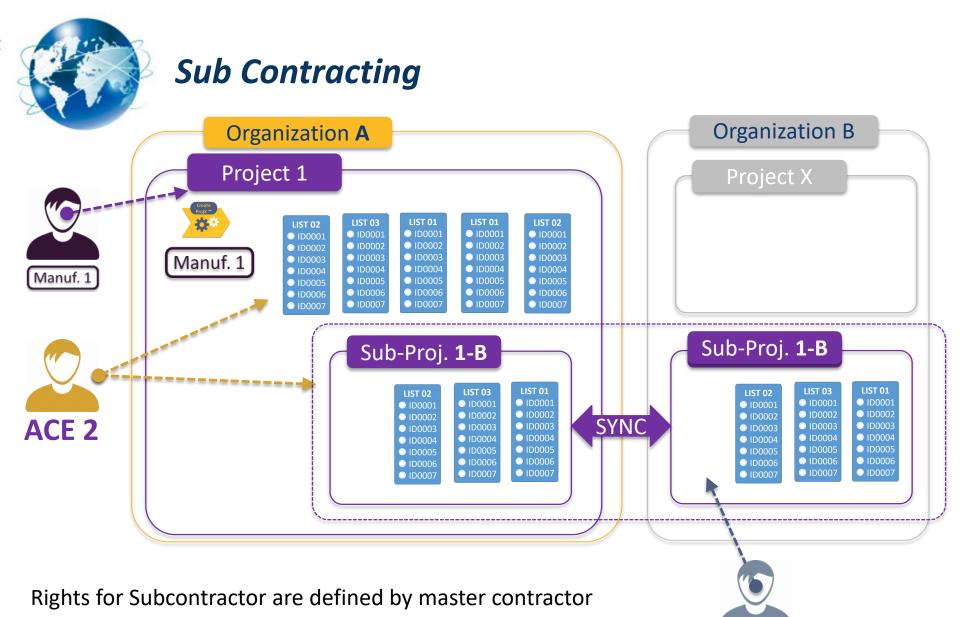






Visibility for ACE's & Manufacturers





Test Only

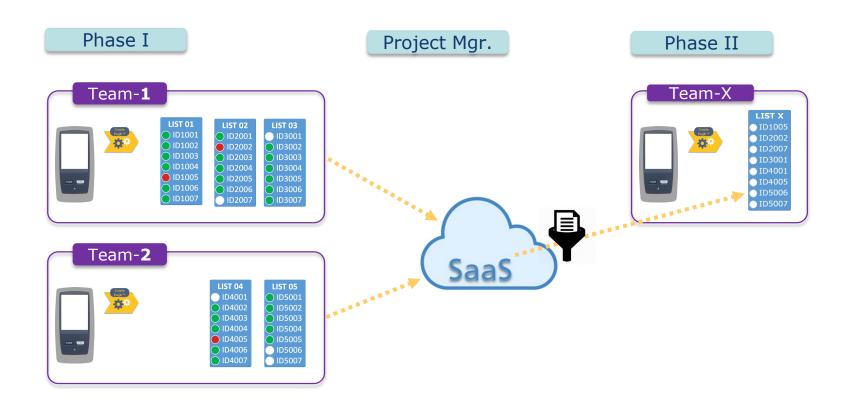
2. Create Project and Test



Manuf. 3



Collaboration between Teams







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

