One Tool Making Data Mining Simple

Are your compliance documents aligned to easily support daily operations?

While we have all of the data, it is nearly impossible to synchronize one report with the next – much less with our maintenance management system. Without spare bodies to connect the dots, we know we aren't doing things that we should be to make our facility safer on a daily basis.

-I&C Group Manager

One Continuous Data Model Easy-to-Query

So many different disciplines need to be on the same page in order to capture the essence of functional safety standards. Process safety staff create the foundation, instrument and controls engineers build the safety systems, and operations and maintenance personnel maintain it. They are all using there own tools, and many times, these tools are not synchronized such that a maintenance technician or operator understands the risk associated with an individual device.

By having a data model connecting risk rankings to tagnames as seen in Figure 1, common activities no longer require the same amount of manpower to keep up with.

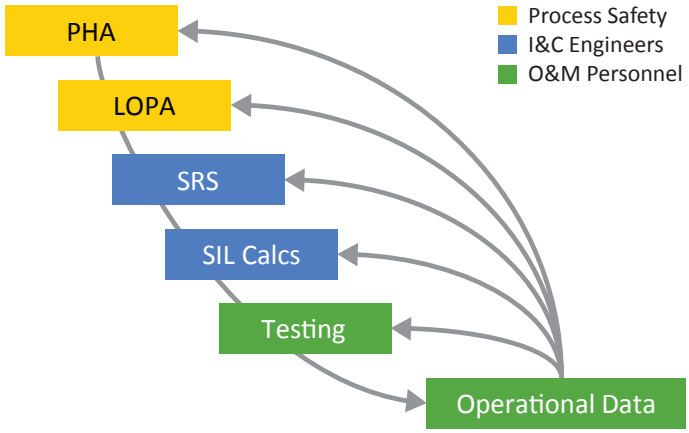

Figure 1. Data Model Enabling "Loop-backs"

Does this look familiar?

Routine Activities Made Simple

Here are just some of things that are now feasible with a consolidated toolkit:

- Functional Safety Assessments
- Bypass Management Support
- Bad Actor Identification
- Routine Audits
- Incident Investigations
- Management of Change

How Long Does this Take You Today?

If you allow bypassing during production, you most likely have a process in place similar to the following steps:

1. Safety critical device is to be taken out of service
2. Identify associated protection layers
3. Understand increased risk with device bypassed
4. Identify other temporary compensating measures to help minimize risk during bypass
5. Gather required signatures before bypassing
6. Update all documentation when completed

The report illustrated in Figure 2 is a simple single tag query.

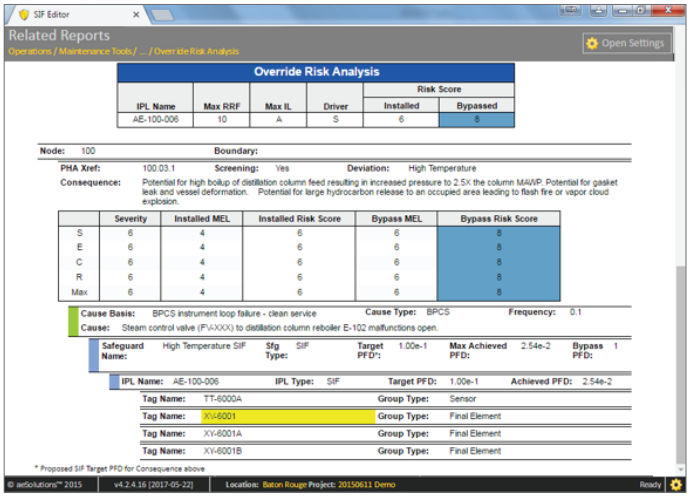

Figure 2. Override Risk Analysis Report

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