



EFCOG Fall 2018

Using Tools for Software Documentation

October 16, 2018

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PNNL



PNNL is operated by Battelle for the U.S. Department of Energy

Team and Objectives

The Team:

- Carrie Carlson, Software Engineer/Tester, PNNL National Security Directorate
- Kary Cook, Software Quality Engineer, PNNL Quality Division
- Robert Daudt, Quality Manager, PNNL
- Jason Smith, Software Engineer/Tester, PNNL National Security Directorate

The Payoff

We hope you walk away with knowledge and ideas about how to apply some leading-edge software tools to streamline and improve your software quality documentation practices.

Agenda


1. Let's Hear from You!

- What are you required to document for SQA activities?
- How do you document these activities?
- What tools do you use?
- Are there pain points? 😊

2. Tools “out there” that can help, and what they do

3. Tool demo/walkthrough/discussion

4. Close out: what else can we provide to help?



Interactive
walkthrough and
discussion. Not
“death by slides....”

Good Questions...

What does your process look like?

What SQA standard(s) do you work to?

- What are your SQA Activities and Processes?
- What level of rigor do you need?

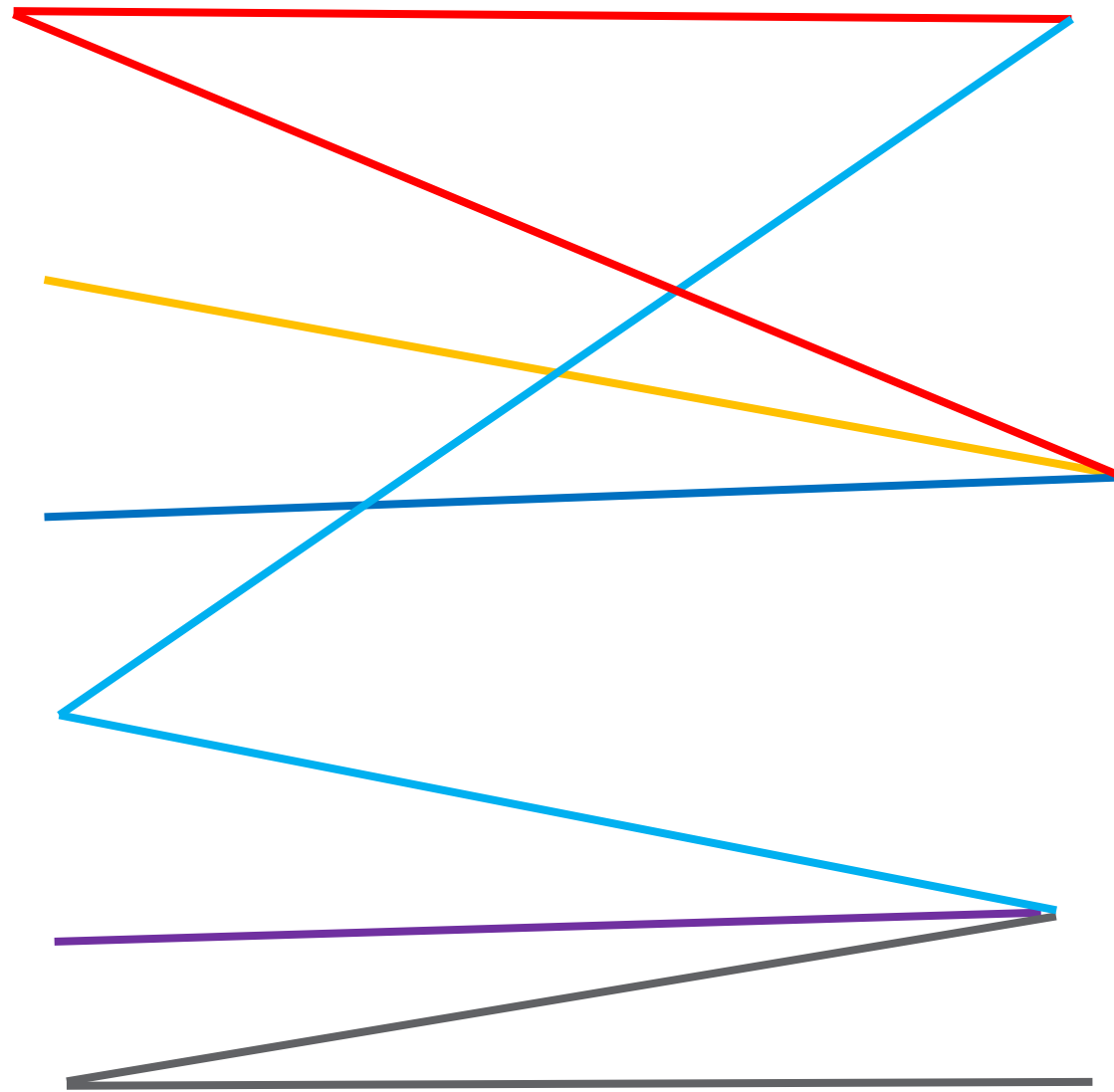
How do you “document” your SQA artifacts?

- Paper?
- Electronic Documents?
- In systems?

Using Tools to “Document” your Work

Just a “core” sampling...

- Requirements
- Design
- Code Review
- Test plan
- Test results
- Defect tracking
- Code Analysis
- Config. Mgt.



What else?

We'd like to foster an ongoing dialog on this topic...

- Discussion on what you saw today? Questions?
- Comments on the value of this topic?
- What would you like to see next? Future topics?
- What info can we follow up with?

We will send out this slide deck with links to tools.



Links/Resources

- Links here...



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Thank you