EFCOG Integrated Safety Management & Quality Assurance Fall 2021 Meeting

Update for the Software Quality Assurance Task Group

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Discussion Topics

- Status of the Safety Software Central Registry

- Status of QA policy documents

  – CGD Handbook training

  – Safety Software Central Registry

  – SQA guide

  – QA Order

Commercial Grade Dedication Handbook Training

- The Department of Energy (DOE) issued DOE-HDBK-1230-2019, *Commercial Grade Dedication* (CGD) *Application Handbook* in July 2019

- Following approval of the Handbook, roll-out training was developed to provide an understanding of key CGD process steps as well as best practices and examples of CGD technical evaluation plans obtained through AU-30 benchmarking activities

- The pilot presentation was completed in February 2020 with planned follow-on sessions at various field sites. Due to COVID-19 restrictions the follow-on training sessions were not conducted

- Training material was loaded into the NTC CARDS system

Safety Software Central Registry

- Discussions are ongoing regarding the future of the SSCR

    – EFCOG effort to identify potential alternatives

    – Discussions with the Defense Nuclear Facilities Safety Board staff

Software Quality Assurance Guide (DOE G 414.1-4)

- RevCom review/comment has closed

- Comments were collated and categorized. AU management was briefed on these results

  - Wide range of comments

  - Many would require significant re-write to the draft guide or require addressing within the Order

Quality Assurance Order (DOE O 414.1)

- Preliminary discussions with AU management regarding opening the Order for revision

- Opportunity to address known issues and align with programmatic changes (e.g., S/CI, ORPS)

- We are interested in any feedback from the community regarding recommended changes/opportunities for improvement

Organizational Excellence

- Please start or join a conversation about quality assurance on DOE's open forum on the Organizational Excellence Website: https://orgex.energy.gov/

- Software Quality Assurance (SQA) General Subforum: https://orgex.energy.gov/forums/qa-community-practice/software-quality-assurance-sqa-general

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