

# Process Quality Assurance (PQA)

- Objective
- PQA Plan
- PQA schedule
- Audit Inputs
- Audit Incident log
- Audit NC analysis & reporting
- Process Improvement incidents

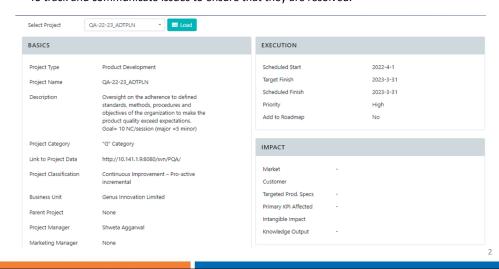
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### Why PQA?

To objectively evaluate the Process Areas and Work Products.

To provide stakeholders and management with objective insight into compliance.

To track and communicate issues to ensure that they are resolved.



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# **PQA** resource

<u>Personal Data Base</u> PQA is additionally responsible for providing process facilitation and assistance to the project team members.



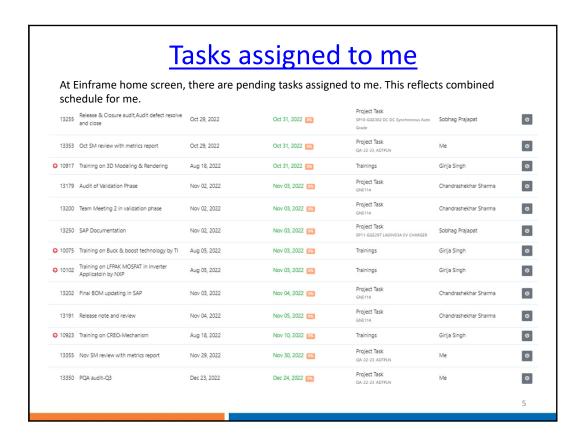
PQA is independent of the project and not directly supervised by any stakeholder, and maintain a reporting channel to Senior Management.

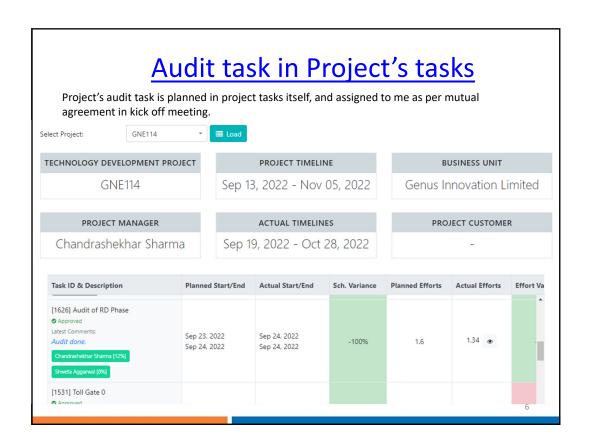
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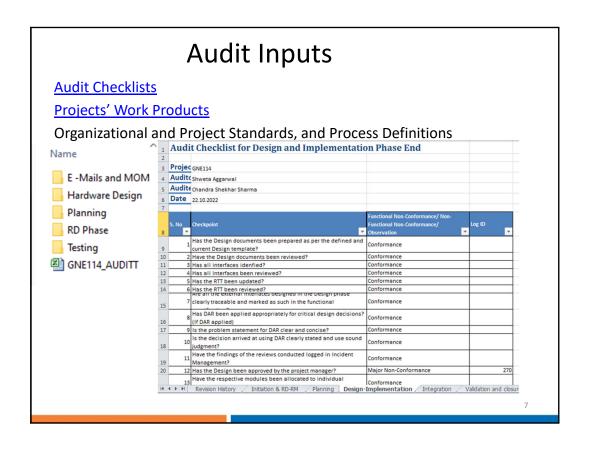
### **PQA** activities

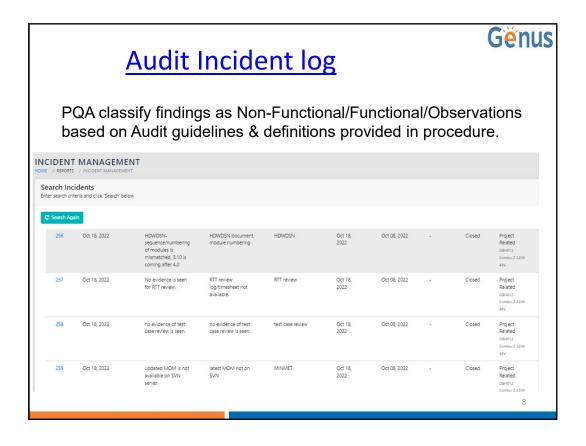
PQA tasks/schedule is for conducting Organization Audits, audit report analysis & review with senior management, PQA audit.







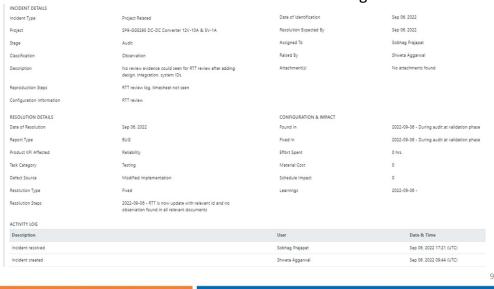




# Audit incident closure



PQA discuss the timelines to close the NCs with the Auditee, After resolving the NC's by Stakeholder, I check resolution and re-open if not suitable action. I ensure that all audit findings are resolved.



### Genus Audit NC analysis & report End of the month, I generate "Audit Report" using "Audit Reporting Tool" (TOOL\_ADTRPT) and send this report to PEG Head for identifying Process Improvement Opportunities. Discuss audit report and PQA activities monthly with senior management. Problem Elaboration Suggestions Keep daily habit of SVN commit, a minor software can be installed in all computers Impacts locally data management may impact loss of data and other teammates installed in all component or other projects also 5,25 to do this job. Corrective actions, process & product defect density are not mentioned in final metrics report while calculated separately in draft report at local computer. metrics report- corrective actions are not filled phase wise, Metrics report inappropriate, help in prevention of re-occurrence of the defects and by reaching at root cause of the defects may help in prevention of new Defect analysis to be no formal defect analysis is seen type of potential defects 10



# Project's process defect density

#### 4. Project's Process Defect Density

The process defect density found 0.22, whereas measurement goal was  $0.20\pm0.03$ . So it is equal to limit. The total efforts expended on this project is 157 persons hrs. This means that in every 4.48 person hrs one major non conformance came in this project. That is equal to expected.

#### 4.1. Corrective Actions

As this defect density documented during closure so corrective actions not applicable for this particular project, but may help to future projects. But in this project I monitored the process defect density, and try to not leave any blunder in process point of view, as previous project leanings also use full. During updation of RTT ensure that each and every needs track by something in design, implementation, testing, no any system test case id missing to link with needs. Now as organization goal decided for process defect density as 0.20±0.02, so in next project will plan accordingly.

#### 4.2. Root Cause Analysis

Most of NCs main cause observed is negligence during planning upgradation, time sheet missing, negligence during RTT upgradation, so some of silly mistakes done, which actually effects more.

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# **Process Improvement incidents**

 If any best practices and process improvement opportunities are identified, I submit them to the PEG using "Process Improvement Incidents".

5	5	Jul 25, 2022	Audit repitition in a phase	before and after Metrics report audit is time consuming for team, pls change to to once after metrics report preparation only.	PRCD_PRJPLN
56	6	Jul 25, 2022	Audit checklist to be sync with GIL.ef	Category of NC is to be sync with term functional/non-functional	CHKL_AUDITT

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