

Key Components of a Project Quality Plan

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Key Components of a Project Quality Plan

- Aim of guiding the project team in oversight activities to minimize the Company's risk
- To meet the project's quality objectives
- Establishes the hierarchy and relationships of this PQP to the Engineering Procurement Contractor's (EPC) and Suppliers'
- Defines PT's role in ensuring Quality requirements are effectively communicated and implemented.
- PT oversight activities defined in the Quality Plan focus on the adequacy of work processes prior to the start of work and compliance with the work processes during development of the product
- Independent oversight is required to verify the compliance of work products and effectiveness, which should be mandatory with compliance of work processes

Project Quality Plan (PQP)

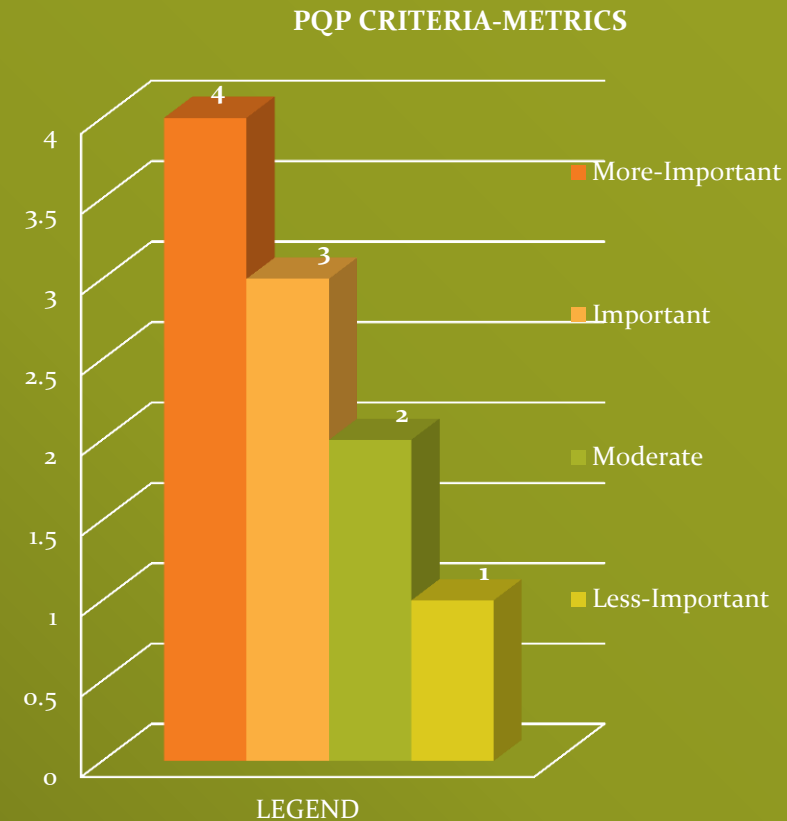
- Quality metrics are generated by company or client to assess the performance and provide a basis for improvement to get an oversight of the contractors
- The major components/sections of a typical PQP which is developed by an International Oil Company (IOC) or client.
 - Quality Objectives and Principles
 - Project Quality Management System, Interfaces & Controls
 - Organizational Structure, Roles & Responsibilities
 - Audits, Assessments, and Reviews
 - Engineering Quality
 - Procurement Quality

Project Quality Plan (PQP)

- Logistics Quality
- Construction Quality
- Systems Completions
- Management of Change and Design Control
- Non-Conformance Control and Corrective Actions
- Quality Documents, Data and Records
- Training / Orientation / Handover
- Quality Reporting and Metrics
- Regulatory Requirements
- Lessons Learned / Continuous Improvement

Project Quality Plan (PQP)

- PQP Criteria Metrics
- Contains plans and procedures
- To manage and oversee their contractors to ensure compliance to specified requirements
- Used four levels of the criteria



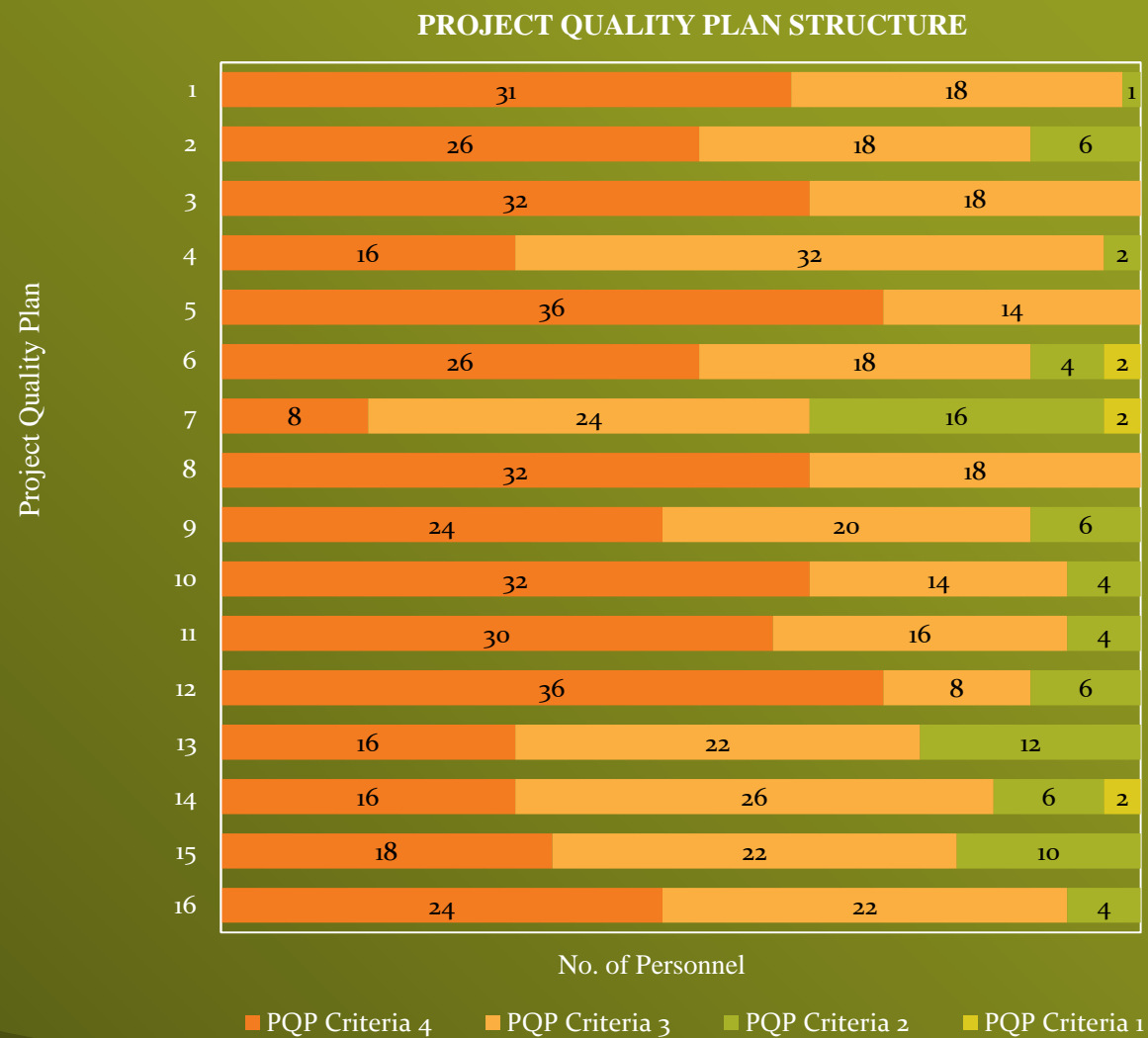
Additional Project Quality Plan (APQP)

- During the survey, few of our Project Engineers and Quality Inspectors have added an additional project Quality plan metrics
- Recommended as more important level (4) for PQP
 - It is essential to have all deliverables at an approved status prior to commencing that activity, (e.g. WPS, hydro test procedure, Weekly QA/QC meeting to monitor the overall project quality level)
 - List of Applicable specific procedure
 - Applicable Quality forms (checklists) / Templates to be approved
 - Inspection Test Plan (ITP) & Quality Plan

Additional Project Quality Plan (APQP)

- Qualified & Experience personal working with project team / Site team
(Interview personnel prior to accepting them)
 - Ensure the Quality Organization addresses the proper positions for the task,
(i.e., PQM, Procurement Quality, Site quality...)
 - Environmental Impact Study & Awareness
 - Hard Penalty / Safety Rolls & Implementation – to be available
 - E - Documents / Information Management / Remote control operation.
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- **Project Quality Plan – Survey Form**
 - Issued with sixteen (16) PQP structures and
 - Gained ten (10) additional PQP criteria

Project Quality Plan Structure and Criteria Score



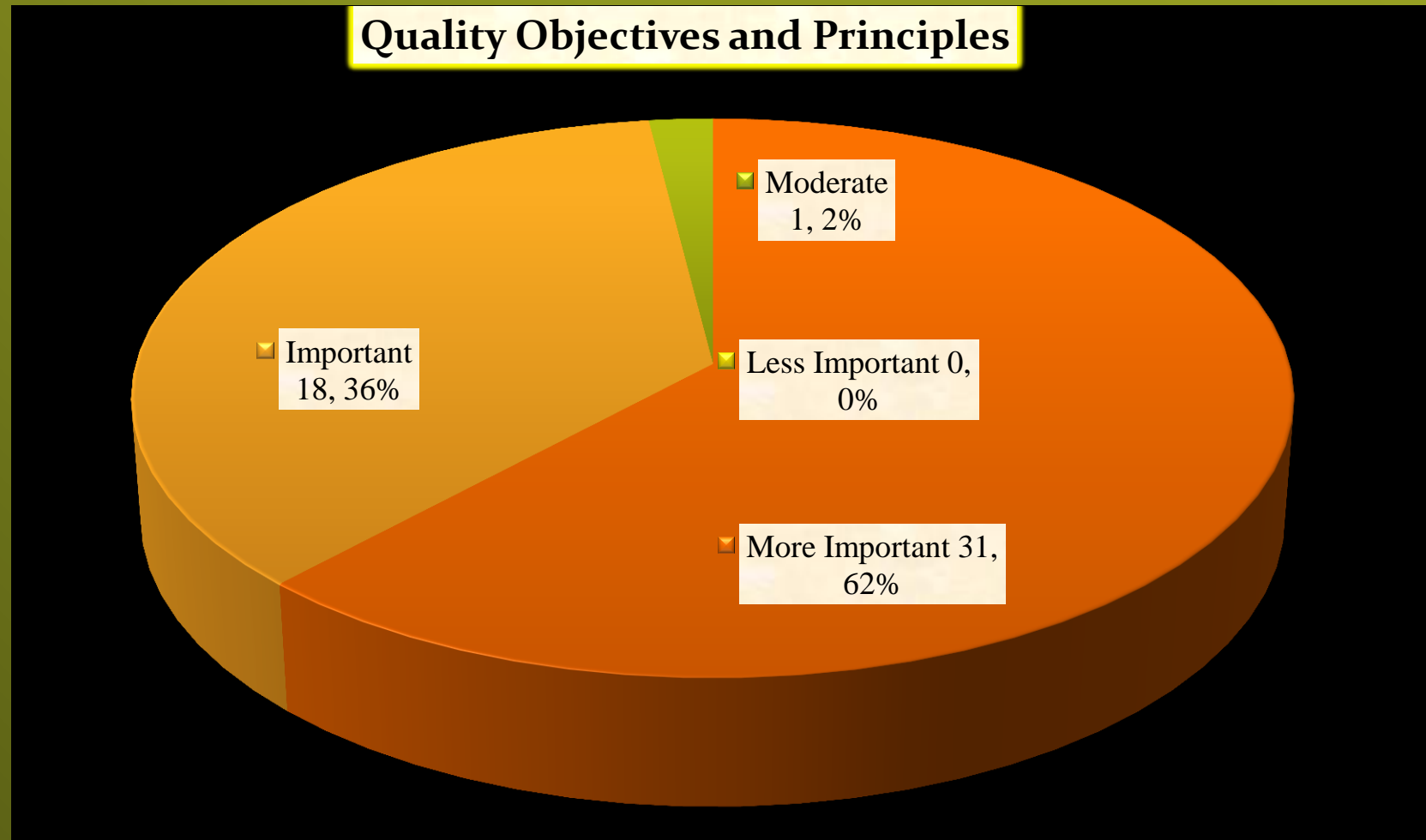
Additional Project Quality Plan Structure and Criteria Score



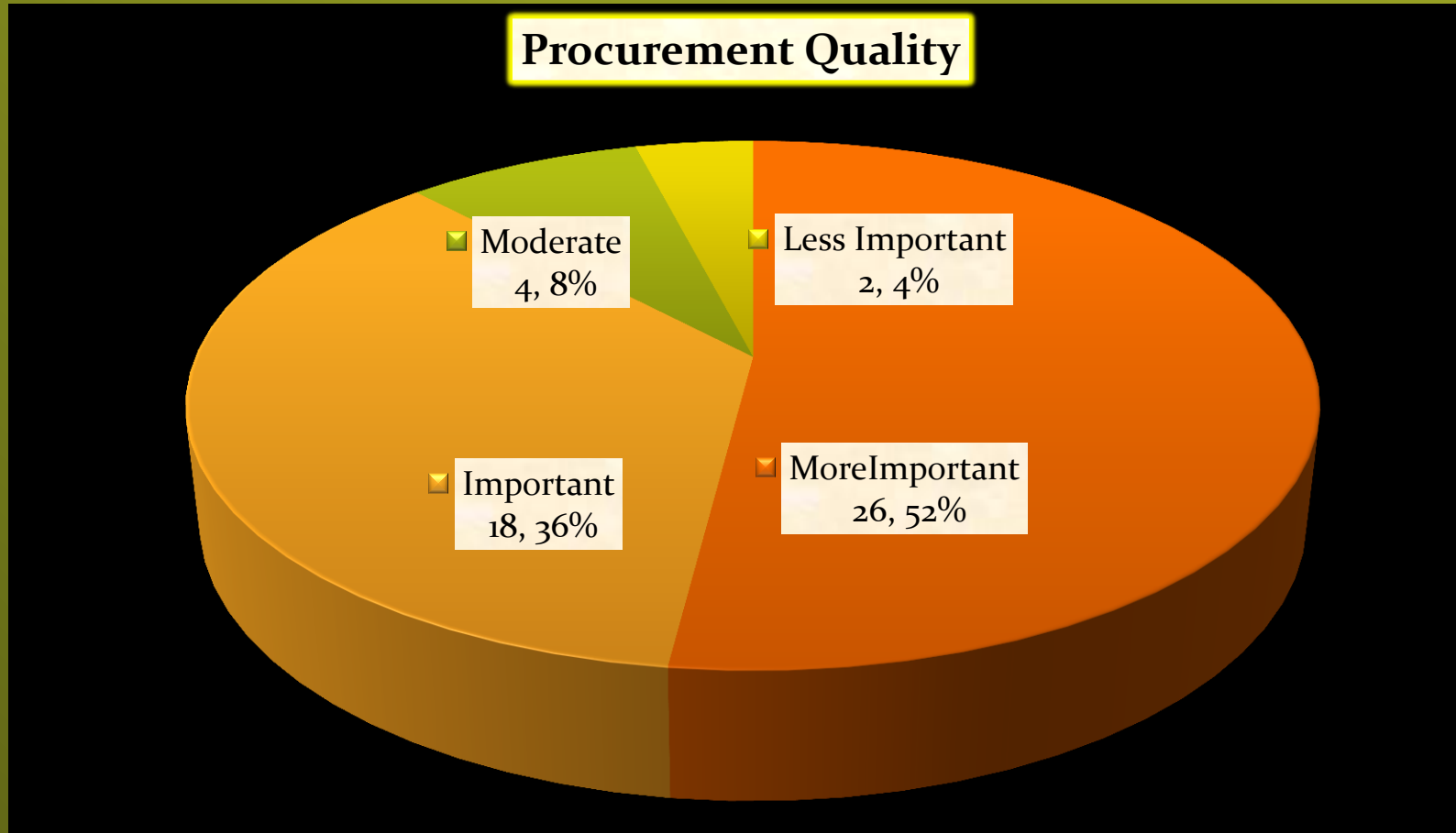
Project Quality Plan Structure and Criteria Scores

NO	PROJECT QUALITY PLAN (PQP) STRUCTURE	PQP CRITERIA			
		4	3	2	1
1	Quality Objectives and Principles	31	18	01	00
2	Project Quality Management System, Interfaces and Controls	26	18	06	00
3	Organizational Structure, Roles and Responsibilities	32	18	00	00
4	Audits, Assessments, and reviews	16	32	02	00
5	Engineering Quality	36	14	00	00
6	Procurement Quality	26	18	04	02
7	Logistics Quality	08	24	16	02
8	Construction Quality	32	18	00	00
9	Systems Completions	24	20	06	00
10	Management of Change and Design Control	32	14	04	00
11	Non-Conformance Control and Corrective Actions	30	16	04	00
12	Quality Documents, Data and Records	36	08	06	00
13	Training / Orientation / Handover	16	22	12	00
14	Quality Reporting and Metrics (KPI)	16	26	06	02
15	Regulatory Requirements	18	22	10	00
16	Lessons Learned / Continuous Improvement	24	22	04	00

Quality Terminology Guidelines & Abbreviations

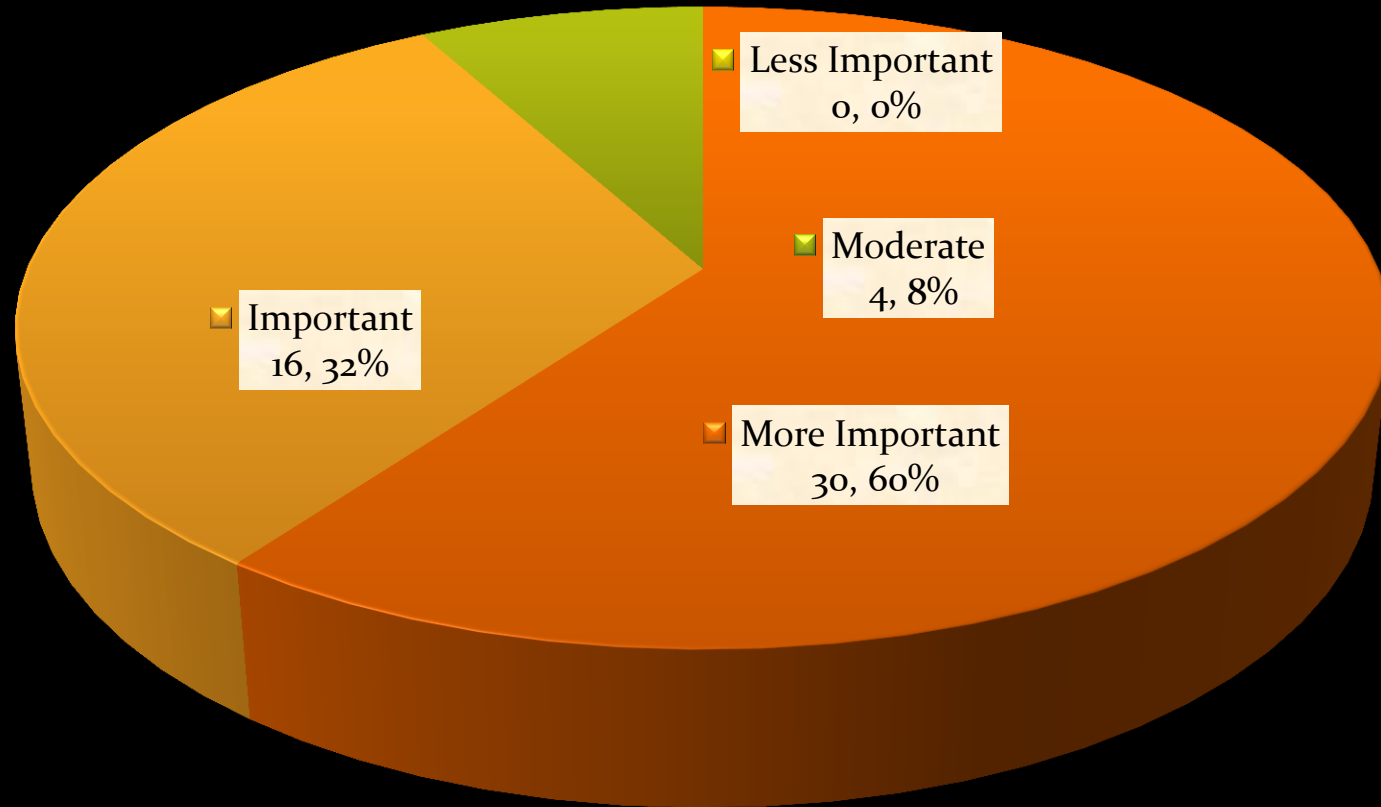


Quality Terminology Guidelines & Abbreviations

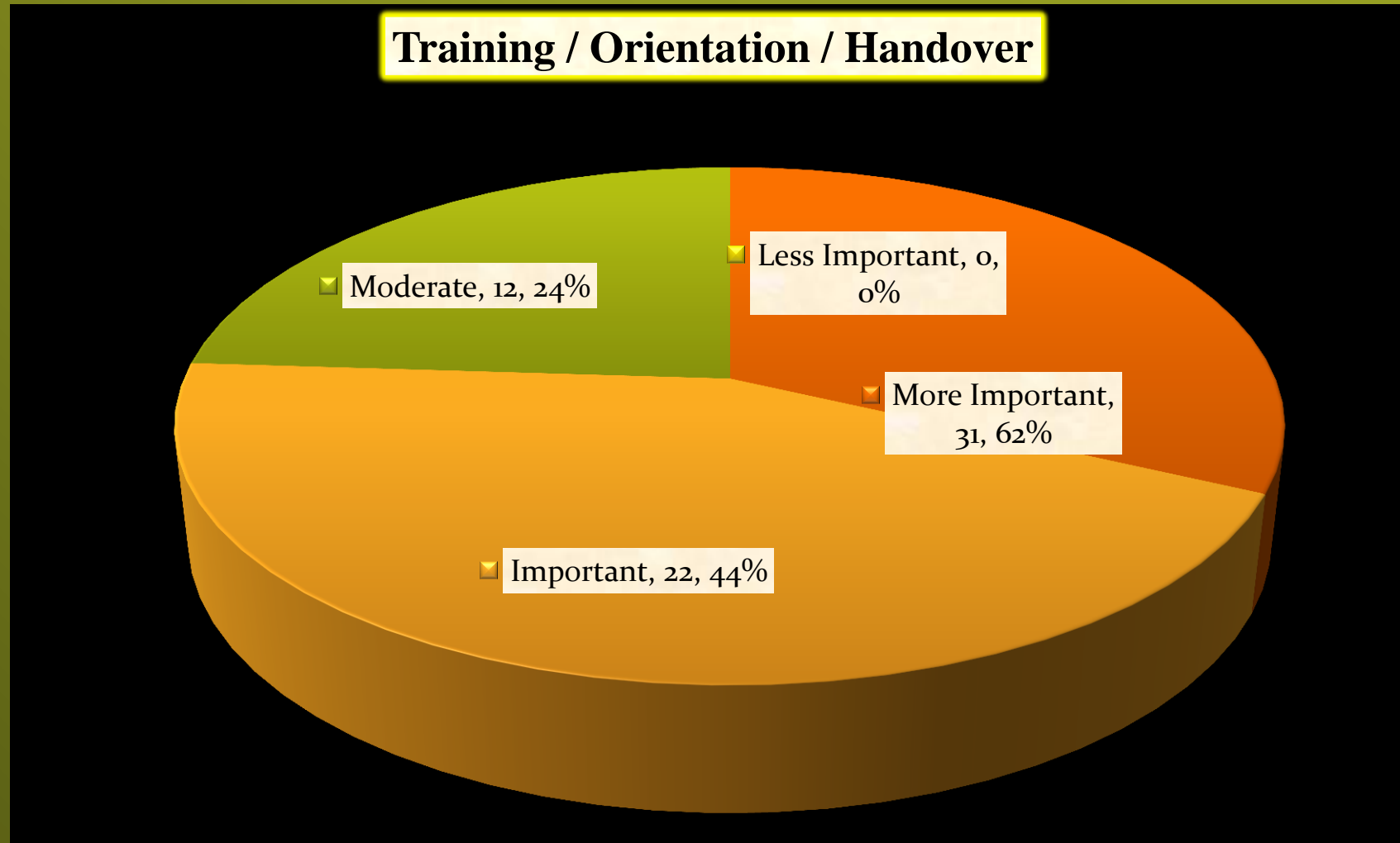


Quality Terminology Guidelines & Abbreviations

Non-Conformance Control and Corrective Actions



Quality Terminology Guidelines & Abbreviations



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Conclusions

- Project Quality plan structures and its priority of the contents are well recognised and thoroughly evaluated with the impact of recent changes in the industrial expectations.
- An additional proposed project Quality plan structures are also judged for a significant improvement on this study
- All datum are leading to make the customers/clients more gratified, if they see that the project quality plan is being addressed at the initial stage of a project
- It can even be a good project report exercise, to bring them to a quality review process for a continual improvement [kaizen].
- These studies were carried out generally in primitive areas of concern conducted by clients previous implementation strategy to minimize these risks, criticality rating, readiness review and more focus on competency skills, better reviews and alignment upfront before the work begins
- Finally, we are still exploring un-assessed and uncovered quality concerns which are challenging milestone to achieve a suitable mechanism to shot these problems in point-blank range. There should be a definite follow up process to deal with strategic approach to allocate and fix

**EVERY ONE
WILL HAVE A VERY
PLEASANT DAY**



THANKS TO ALL