



Control Plan

One Day Executive Programme

Control Plan is used as a very effective aid in the manufacture of quality products as per Customer requirements. It provides a structured approach for the design, selection and implementation of value-added control methods for the entire System. Control Plans provide a written summary description of the systems used in minimizing process and product variation.

The Control Plan is maintained and used throughout the product life cycle. Early in the product life cycle its primary purpose is to document and communicate the initial plan for process control. Subsequently; it guides manufacturing in how to control the process and ensures product quality. Ultimately, the Control Plan remains a living document, reflecting the current methods of control, and measurement systems used. The Control Plan is updated as measurement systems and control methods are evaluated and improved.

Separate Control Plans cover three distinct phases :

- **Prototype:** A description of the dimensional measurements and material and performance tests that will occur during Prototype build
- **Pre-launch:** A description of the dimensional measurements and material and performance tests that will occur after Prototype and before full Production
- **Production:** A comprehensive documentation of product/process characteristics, process controls, tests and measurement systems that will occur during mass production.

Programme Objectives

The programme provides an insight into :

1. Explaining the concept of Control Plan
2. Training and Developing the Quality Professionals / Executives to validate Product / Process
3. Developing the team to comply to the TS 16949:2002 Standard requirements

The Programme is Beneficial to

- a. Companies who are regularly developing / modifying product / processes
- b. Companies who are suppliers to Original Equipment Manufacturer(OEM)
- c. Companies who are applying to TS 16949:2002 certifications or are TS 16949:2002 certified
- d. Companies who have adopted Process Quality Improvement tools in their business

Brief Overview of the Training

1. Understanding Control Plan :
 - a) What is Control Plan?
 - b) Objectives of Control Plan
2. Explaining Control Plan Column Description
3. How to do Process Analysis?
4. How to use Control Plan Form?
5. How to use Control Plan Special Characteristics Worksheet?

Benefits

Following are the benefits of Control Plan:

1. It improves Quality by
 - Reducing waste
 - Improving the quality of products during design, manufacturing and assembly
 - Providing a thorough evaluation of product and processes
 - Identifying process characteristics and help to identify their sources of variation (input variables), which cause variation in product characteristics (output variables)
2. It improves Customer Satisfaction by
 - Focusing on resources required for processes and products related to characteristics that are important to the customer
3. It improves the Communication by
 - Maintaining Control Plan as a living document which identifies and communicates changes in the product / process characteristics, control method and characteristic measurement

For further details please contact:

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Business Excellence Enablers



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