# Q-1

## 1.0 Plan & Define the Project

# Product Quality Plan Flow Chart

**1.0 Planning**

- New Requirements
- Wants/Needs/Desires

**1.1** VOC

Regulations Input

**1.1** QFD Requirements Specifications
**1.7** Design Goals

As Required:
**1.2** Business/Market Plan
**1.3** Product/Process Bench Data

**1.1** FMA Quality History

**Develop Concept Designs**

**1.11** Preliminary List of Special Characteristics

**1.10** Preliminary Process Flow

◇ T1

## 3.0 Process Design & Develop

**2.0 Product Design & Development**

## 2.0 Design & Develop

Robust

**2.6** Product
**2.7** Design

**2.2** DFA/ M DF$_{(x)}$

**3.3** Process Flow

**2.1** DFMEA Path 1 & 2

**2.11** Special Characteristics

**3.5** Characteristics Matrix

DVP&R

**2.1** DFMEA Path 3 Test Development

- Special Characteristics
- Error/Mistake Proof Collaboration
- Improved Statistical Capability

**3.6** PFMEA

◇ T2

**3.0 Process Design & Development**

**2.6** Engineering Drawing. Design Tooling Drawing

**3.7** Pre Launch Control Plans

◇ T3

## 4.0 Product & Process Validation

**4.1** Production Trial Run

**4.7** Production Control Plan

**4.3** Preliminary Process/Capability Studies

Process Instructions

◇ T4

TIME