



# Statistical Process Control Training

## 統計過程控制培訓

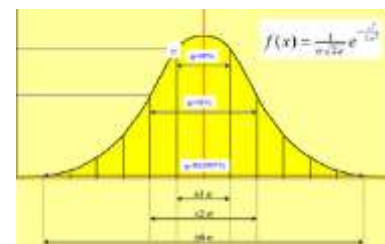
(#SPC-U1)

### Training Objectives 培訓目標

- To understand the applicability and benefits of SPC methods  
瞭解統計過程控制方法的應用場合和好處
- To understand SPC requirements in IATF16949:2016  
瞭解 IATF16949:2016 中對統計過程控制的要求
- To understand the important SPC methods referenced in AIAG SPC Manual  
瞭解在 AIAG 統計過程控制手冊中引用的重要控制方法
- To understand the criteria for SPC method selection and evaluation  
瞭解統計過程控制方法的選擇和評價準則
- To understand the process capability related indicators, like Cp/Cpk and Pp/Ppk  
瞭解過程能力相關的指標，如 Cp/Cpk 和 Pp/Ppk
- To understand requirements for reactions to process showing unsatisfied SPC results  
瞭解發現統計過程控制結果不理想後對過程的處理要求
- To develop the basic expertise to implement a SPC management process  
發展實施統計過程控制管理方法的基本技能
- Due to time constraint, only some widely used control charts are included in this course.  
由於時間限制，僅部分常用的控制圖包括在本課程中

### Recommended Prior Knowledge 建議的事先認知

- Experience in SPC or other manufacturing process quality control related field  
統計過程控制或其他製造過程質量控制相關經驗
- Problems in the implementation of process controls in own organization  
本組織的製造過程控制管理過程中遇到的問題





## Suitable for 培訓對象

- Quality, process, and design engineers/technicians, QMS Engineers/Auditors, ISO/TS 16949 or IATF 16949 implementers, MR, managers, experts in quality related field.  
質量、製造過程、產品設計工程師/技術員、質量工程師/審核員、ISO/TS 16949 或 IATF 16949 推行者、管理者代表、經理、質量管理領域相關的專業人仕
- Persons seeking career opportunities in QMS or certification field.  
尋找與質量管理領域 / 認證機構相關的就業機會的人仕

**Keep learning.  
Be outstanding!**



## Training Approach 培訓形式

- Lecturing by tutor  
講師面授
- Exercises (individual or by team)  
練習 (個人或小組)
- Workshops  
討論演練
- Lecturing in Chinese, unless otherwise specified  
授課語言為中文·除非另外規定
- Tutor: Experienced Trainer with Auditor Qualification  
講師：經驗豐富的具備審核員資格的培訓師





## Course Agenda 課程安排

1 DAY 天

Day 日程	Items 項目	Evaluation 評估
DAY 1	<ul style="list-style-type: none"><li>• Forewords – Development of SPC 前言 - 統計過程控制的發展</li><li>• Basics of Process Control and Statistics 過程控制和統計學的基礎</li><li>• Control Charts 控制圖</li><li>• In &amp; Out of Statistical Control 受控狀態與失控狀態</li><li>• Process Capability and Process Performance 過程能力和過程表現</li><li>• Relation and Difference between Cp/Cpk and Pp/Ppk Cp/Cpk 和 Pp/Ppk 的關係與區別</li><li>• Common Faults in SPC Application 統計過程控制應用中的常見問題</li><li>• Workshops 討論演練</li><li>• Q&amp;A 問答</li><li>• Evaluation 測評</li></ul>	Participation Required 要求參與



### Related Course 相關課程:

**Statistical Process Control Advanced Training 統計過程控制進階培訓**

**#SPC-U2R, 1.5 days 天**

Add in-depth discussions and application practice on the basis of above course #SPC-U1.  
在上列課程#SPC-U1 的基礎上增加深入討論和應用練習。

**#SPC-U2, 2 days 天**

Add exchanges on real cases provided by participants on the basis of Course #SPC-U2R.  
在課程#SPC-U2R 的基礎上增加學員提供的真實案例的交流討論。



## Evaluation and Certificate 評估和證書

### 1. Evaluation based on Participation 參與表現評估

- A Certificate of Attendance by DQS will be issued to the registered participants who have participated in the whole training course and completed all assignments, but have not been successful in passing the evaluation.

全程出席並完成課程任務，但未能通過測評的學員可獲得DQS頒發的培訓出席證書。

### 2. General Evaluation 綜合評估

- A Certificate of Successful Completion by DQS will be awarded to registered participants who have participated in the whole training course, completed all assignments, and passed the evaluation.

全程出席和完成課程任務，並通過測評的註冊學員可獲得DQS頒發的培訓完成證書。



## Contact Information 聯絡信息

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[Registration Form 報名表](#)