



# BSI Training Academy

## Aerospace Statistical Process Control (SPC)

### training course

Level



#### Essential information about the course

Statistical Process Control (SPC) is a method of quality control in which statistical methods are employed. SPC is applied to help quickly identify when processes are producing results outside their normal variances. This in turn enables organizations to continuously improve product quality, limit scrap and waste, and reduce costs.

If you are involved in verifying new manufacturing processes using AS9145 APQP and PPAP, AS9102 First Article, AS13004 PFMEA and Control Plans, AS13003 MSA and ongoing process control and process improvement, then this one day course could be beneficial for you.

This course will help you to understand the different types of statistical methods used to evaluate performance and

capability, using both variable and attributable data. It will provide an overview of the methodology used to evaluate a process using statistical methods so you can use this to evaluate and take action on both the process and the output from the process.

Delegates should have a good understanding of the requirements of ISO 9001:2015 and AS/EN/JISQ 91XX related to the scope of your audit.

This one-day activity-based course is structured to optimize your learning using our unique approach to accelerated learning.

#### Our course agenda

##### Statistical Control Process

- What is a process
- A process control system
- Variation: common causes and special causes
- Local actions and actions on the system
- Process control and process capability
- Statistical control
- Process improvement and process control
- Normal distribution
- Probability tables

##### Control charts

- Tools for process control and improvement
  - "In statistical control"
  - Effective use and benefits
  - Process
  - Types of control charts
  - Workings
  - Establish control limits
  - Interpreting control charts
- How and when to use p-charts  
How and when to use np-charts  
How and when to use u-charts  
How and when to use c-charts  
Questions and close

**Book today at**  
[bsigroup.com/training](https://www.bsigroup.com/training)

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## training course

We want to make sure you have the best learning experience possible. That's why we offer a range of training courses from beginner to expert. We create a positive learning environment so you retain the knowledge and acquire skills that will continue to be of use beyond the course.

**Make sure this is the right course for you.**

### This course is for you if:

- You are involved in verifying new manufacturing processes, on-going process control, or process improvement
- You are involved in the implementation of AS/EN/JISQ 91XX
- You already have a good understanding of the requirements of ISO 9001:2015 and AS/EN/JISQ 91XX related to the scope of your audit

### What is the course like?

- One day long
- Led by a BSI expert tutor
- Relaxed and comfortable learning environment
- You'll receive detailed course notes to take away

### How will I benefit?

- You will learn how to identify and select the appropriate control chart as defined in the Statistical Process Control reference manual
- You will gain the skills to implement control charts to evaluate process performance and process capability
- Develop professionally
- Network with likeminded peers
- Receive a BSI certificate



Upon successful completion of your course, you will receive an internationally recognized BSI certificate to show your achievement.

## Why invest in training from BSI?

When you attend a BSI training course, our tutors are the best in the business. They're truly passionate about sharing their knowledge and ensuring you learn. Trusted experts with years of hands-on and business experience, they bring the subject matter to life with relevant and contemporary examples.

### Training delivered at your site



This could be a convenient and cost-effective option, especially if you have multiple delegates.  
**Talk to one of our experts to find out more.**

### Next steps with the BSI Academy



Want to learn more? You may be interested:  
AS/EN/JISQ 9100 Implementing training course  
AS/EN/JISQ 9110 Requirements Training Course

# bsi.

#### BSI Group

Kitemark Court  
Davy Avenue, Knowlhill  
Milton Keynes, MK5 8PP

T: +44 (0)345 086 9000  
E: [training@bsigroup.com](mailto:training@bsigroup.com)  
[bsigroup.com/training](http://bsigroup.com/training)

Find out more.

Call: **+44 (0)345 086 9000**

Email: **[training@bsigroup.com](mailto:training@bsigroup.com)**

or visit: **[bsigroup.com/training](http://bsigroup.com/training)**