



BSI Training Academy

IATF 16949:2016 Statistical Process Control (SPC) training course

Essential information about the course

Level **1C 2C 3**

Statistical Process Control (SPC) is a method of quality control in which statistical methods are employed. SPC is applied in order to monitor and control a process and in the automotive sector is often used to minimize waste which can result in rework or scrap. It is one of the Core Tools used in automotive industry and referred to in IATF 16949.

If you are involved in verifying new manufacturing processes, on-going 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 IATF 16949:2016 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

Day 1

- Course aims, learning objectives, and structure
- 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
- Process improvement and process control
- Normal distribution
- Probability
- Control charts
 - 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



Upon successful completion of your course, you'll receive an internationally recognized BSI certificate.

bsi.

...making excellence a habit.™

IATF 16949:2016 Statistical Process Control (SPC) 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 is the course 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 IATF 16949
- You already have a good understanding of the requirements of ISO 9001:2015 and IATF 16949:2016 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

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 in:
IATF 16949:2016 Implementing training course
IATF 16949:2016 Understanding core tools for Internal Auditors training course

*According to IATF rules, in-house training is only available to organizations not currently certified by BSI

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