

## SIMATIC PCS 7 Block programming in conformance with APL (ST-PCS7BPA)

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### Objectives

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This course is intended for SIMATIC PCS 7 configuring engineers who need to create user-specific blocks with AS and OS components for integration in a SIMATIC PCS 7 environment with the new Advanced Process Library (APL).  
The creation of own blocks is carried out in accordance with the new styleguide for the APL.

### Target Group

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Project manager, project staff  
Programmer  
Commissioning engineers, configuring engineers,

### Content

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Block properties and introduction of AS functions in conformance with APL  
Introduction of the APL-styleguide  
Use of SCL for the creation of user-defined blocks  
Startup behaviour  
Extended changeover of the operating mode  
Feature parameter, OS permission and display of signal status  
HMI behavior / system attributes  
Blocks with messages / system attributes  
Creating block icons and faceplates for WinCC with mapping to structured variables and in conformance with APL  
Creation of online-help for blocks  
Graphical Object Update Wizard

### Prerequisites

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Attendance of training courses ST-PCS7SYS or ST-PCS7APL recommended  
Basic knowledge of process control engineering  
Practical experience in SIMATIC PCS 7 project engineering.

### Type

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Face-to-face training

### Duration

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5 days

### Language

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