

## WB20 Handling product variety

- Mapping similar products/processes efficiently with variants
- Requirements for the reasonable use of variants
- Options for the design of a variant
- Present similarities and differences of variants



Structure Editor: structure variant: product 1 [Design]	structure variant: product 1	structure variant: product 2	structure variant: product 3
D-FMEA	✓	✓	✓
component A	✓	✓	✓
material component A	✓	✓	✓
geometry component A	✓	✓	✓
functions and characteristics variantenspezifische Spec	✓	✓	✓
Failures with variant-specific net connections	✓	✓	✓
0=9 D=7 AP=H Initial state 05.10.2020	✓	✓	✓
0=9 D=7 AP=H Action group	✓	✓	✓
actions and S/O/D ratings	✓	✓	✓

Are you working on FMEA for many products or processes that are similar to each other? Do you want to know how to create and keep an up-to-date risk assessment for all your variants with as little effort as possible? This online seminar will provide the right solutions for you!

### Get to know expert tools with a Live online-seminar:

Learn comfortably from any location how to handle the diversity of your products and processes with the variant concept of IQ software. Save travel expenses and time by attending our seminar online. All you need is an internet-compatible computer with browser and a headset (VoIP) or telephone (audio).

💡 ALL PARTICIPANTS WILL RECEIVE A TEMPORARY TRAINING LICENSE FOR THE IQ SOFTWARE FOR THE SEMINAR.

### Quality promise: Not just an online lecture

As with our face-to-face seminars, this online seminar will not only provide you with knowledge, but will also give you time to practice and answer your questions individually.

### Live, no recording!

The entire online-seminar will be conducted by an experienced APIS trainer Live.

### Service Overview (Timetable)

from	to	seminar modules
8:20	8:30	Arriving
08:30	09:45	<b>Part 1:</b> Live online presentation by trainer
09:45	10:30	Self-study exercises + Asking questions in the virtual classroom
11:00	11:30	Q&A session with trainer
11:30	12:00	<b>Part 2:</b> Live online presentation by trainer
12:30	13:45	Self-study exercises + Asking questions in the virtual classroom
14:00	14:30	Q&A session with trainer
14:30	15:00	<b>Part 3:</b> Live online presentation by trainer
15:00	15:20	Self-study exercises + Asking questions in the virtual classroom
15:30	16:00	Q&A session with trainer
<b>CET time zone</b>		

Each part of the training starts with a compact *online lecture* in which contexts/concepts are introduced and their application in IQ software is demonstrated. This is always followed by an *self-study exercise unit*. With the help of detailed exercise material you consolidate what you have learned before. Questions that arise during this process are recorded in the virtual classroom. These questions will be adequately answered by the trainer in the subsequent *question and answer session*.

☀️ THE SEMINAR IS ACCOMPANIED BY A TRAINING DOCUMENT, WHICH IS PROVIDED TO YOU IN ADVANCE AS A PDF.

### Details of the Seminar

<b>Target group</b>	This online seminar is intended for FMEA supervisors, who have to create FMEA for similar products and/or processes and need a solution for this problem that requires little effort.
<b>Prior knowledge</b>	Knowledge of methodology and experience in FMEA according to VDA and AIAG as well as knowledge of operating the APIS IQ-Software. Such knowledge is imparted e.g. in the seminar Two-in-One (WB03).
<b>Seminar duration</b>	1 day
<b>Services</b>	Experienced APIS trainer; Good supervision ratio due to limited number of participants; Temporary IQ training licence; participant documents
<b>Seminar fee</b>	Please refer to the list of seminar fees and dates.

### Content and schedule

8:30 a.m. to 4:00 p.m. (CET time zone)

#### **Part 1: Introduction to the variant concept & set-up**

- Introduction to the variant concept
- Creation of structural variants
- Show/hide objects using the *Variants Matrix*
- **Corresponding exercises and Q&A session**

#### **Part 2: Variant specific values and net connections**

- Use and maintenance of variant-specific values
- Working with the *Object Inspector*
- Variant-specific net connections
- **Corresponding exercises and Q&A session**

#### **Part 3: Comparison of variants and rescue anchors**

- Working with the editors *IQ Explorer* and *Function/Failure Analysis*
- How to master a high amount of variants
- **Corresponding exercises and Q&A session**

## Live Online: Organisational details

**Registration:** Form (see last page) by e-mail to [training@apis.de](mailto:training@apis.de)

**Contact for questions:** APIS Informationstechnologien GmbH  
Wolfenbütteler Straße 31 B  
D-38102 Braunschweig  
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Tel.: +49 (0) 531 / 70736 - 0  
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E-Mail: [training@apis.de](mailto:training@apis.de)

## **General Terms of Business of APIS Informationstechnologien GmbH**

### **Registration**

All registrations for our seminars must be received in writing – by e-mail. By registering for one of our seminars, customers agree to be bound by our General Terms of Business.

Due to the limited number of places available for our seminars, they are awarded on a "first come, first served" basis. Registrations only become effective once they have been confirmed in writing.

If the minimum number of participants is not attained for a particular seminar then we will notify you immediately and offer an alternative date if required.

### **Cancellation**

A cancellation fee of 20% of the attendance fee is payable if cancellation notification is received between 8 weeks and 2 weeks before the start of the seminar. If the cancellation is received less than 2 weeks before the start of the seminar then the full attendance fee is payable. We appreciate your understanding in this matter. However, it is possible to appoint a substitute participant by arrangement. You will be notified immediately if an event needs to be canceled.

In all cases the liability of APIS Informationstechnologien GmbH is limited exclusively to the attendance fee. The course instructor and the seminar program are subject to change without notice.

### **Fees**

For details of our seminar fees, please refer to the list of seminar dates and fees. All prices are quoted per participant and are subject to VAT. The seminar fee is payable without deductions after the invoice is issued.

### **Scope of Validity**

These General Terms of Business apply to the running of seminars and training courses in the training facilities of APIS Informationstechnologien GmbH and in external training facilities. Any changes will only be valid if they are agreed in writing.

### **Data Protection**

By registering for a place on one of our courses you agree to your data being electronically stored and processed for the purpose of dealing with your registration.

### **Teaching Materials**

All rights reserved worldwide. The training documents must not, even in the form of excerpts, be duplicated, passed on, re-written, saved in a database or translated into a different language without the express written authorization of APIS Informationstechnologien GmbH. Duplication is not permitted either electronically, mechanically, magnetically or manually.



# REGISTRATION

Please send by e-mail to:

**APIS Informationstechnologien GmbH**  
**Wolfenbütteler Straße 31 B**  
**D-38102 Braunschweig**

**Mail: [training@apis.de](mailto:training@apis.de)**

Seminar title	Date	Location

**Participant(s):**

(Title) Surname, First name	E-Mail

**Information for the invoice (please fill in completely):**

Company address:

Billing address (if differently from company address):

**Order No.:** \_\_\_\_\_

**Phone / Fax:** \_\_\_\_\_

**Tax ID Number:** \_\_\_\_\_

**Location / Date:** \_\_\_\_\_

**Signature:** \_\_\_\_\_