

Tips and tricks by the APIS support team



Safe handling of fme files (1)

If files are stored on network drives (or external data carriers), interrupting the network connection or removing drives while the IQ Software is being used usually results in data loss and should be avoided by all means.

Examples:

- Spontaneous removal of USB flash drives
- Removal of network connectors (including bad contacts)
- Carrying notebooks around that access the WLAN (change of access points is the same as connecting and disconnecting network cables)
- Taking notebooks out of docking stations
- Closing notebooks (usually starts the power save mode, which causes disruption of the network connection)



Safe handling of fme files (2)

Safe procedure:

At first, save the data in the IQ Software and then close the software, in particular when you work on a notebook and want to close it.

When working with files on network drives, the best is to work with local copies.

If your IQ files are stored on an USB flash drive and you want to remove the drive, proceed as follows:

Remove USB flash drives only, if you

- either activated the function “Safely remove hardware” before or
- activated the function “Eject” by clicking the right mouse button on the drive.

A message will be shown, when Windows wrote all the data on the drive.



What means “*.defective_fme”

When you search a drive for an “*.fme” file in vain and find only a “*.defective_fme” file, then the IQ Software has detected an error in the last storage process.

To prevent you from accidentally working with defective data, the original file is renamed.

The error-free “.fme” file is usually located in the “Documents” folder of the user who was last to store the file.

Information on the incident is located in the “*.save.log file” in a text file reading:

Failed saving the file “example.fme”. The file was renamed “example.defective_fme”.
[.....]

The last version of the file was saved in the path “C:\Users\AlexW\Documents”.



Infobox

- Available in administration dialogs (e.g. project, form, Control Plan)
- Configurable via the “Options” button
- Right-click functionality:

Send by e-mail, Print, Save as HTML file, ...

Struktur: Signalkabel komplett RG 2042 - konstruktive Betrachtung

Name	Benutzerdefinierte Attribute	Optionen	Bemerkung	Verwalter	Info	Ratgeber	Standardwerte
<p>Erstellungsdatum: '27.02.2009 12:06:52' von 'Supervisor'. Letzte Modifikation: '11.05.2011 08:56:12' von 'Supervisor'. Letzte Modifikation in der Struktur am '22.07.2013 15:34:10': ■ 2.1 Signalkabel komplett (Struktur 'Signalkabel komplett RG 2042 - konstruktive Betrachtung' vom Typ 'Konstruktion', Formblatt vorhanden) von Supervisor</p> <hr/> <p>ID (36): onyitoZezwz ID (XML): U4063359B609F53 IQ-URL-Referenz: APISIQ:MORDOR/products/Fmea/V/65/0090-R/Data/DE/EXAMPLE.fme?id=U4063359B609F53&editor=FmeaStrukturEditor</p> <hr/> <p>Verwalter: Supervisor Nummerierung: 2</p> <hr/> <p>Projekt: Regelheit RG 2042</p> <hr/> <p>Struktur: Struktur 'Signalkabel komplett RG 2042 - konstruktive Betrachtung' vom Typ 'Konstruktion'</p> <hr/> <p>Wurzel: ■ 2 Drehzahlregelung Antrieb RG 2042 (Struktur 'Signalkabel komplett RG 2042 - konstruktive Betrachtung' vom Typ 'Konstruktion').</p> <hr/> <p>Anker: Regelheit RG 2042</p> <hr/> <p>Zusammenfassung: FMEA-Formblätter: 2. Systemelemente: 12. Funktionen: 16 • davon mit Ursachen-Folgen-Information: 5. • davon mit Folgen-Information: 4. • davon mit Ursachen-Information: 5. Produktmerkmale: 14 • davon mit Ursachen-Folgen-Information: 9. • davon mit Folgen-Information: 4. Fehlfunktionen: 33 • davon mit Ursachen-Folgen-Information: 16. • davon mit Folgen-Information: 11.</p>							

Optionen Details

OK Abbruch Hilfe



AP filter

The new VDA-AIAG FMEA handbook introduces the action priority (AP) as a key parameter based on tables.

The AP will be fully integrated in the coming version 7.0 of the IQ Software.

In the current version 6.5, the AP category can be determined by means of predefined filters.

Workflow:

- Apply AP filter to IQ Explorer
- Select entire results list (CTRL + A)
- Right-click -> Properties
- Set suitable user-defined attribute

Then you can view the data in the respective editor (e.g. form) by means of an auto-filter for the user-defined attribute.



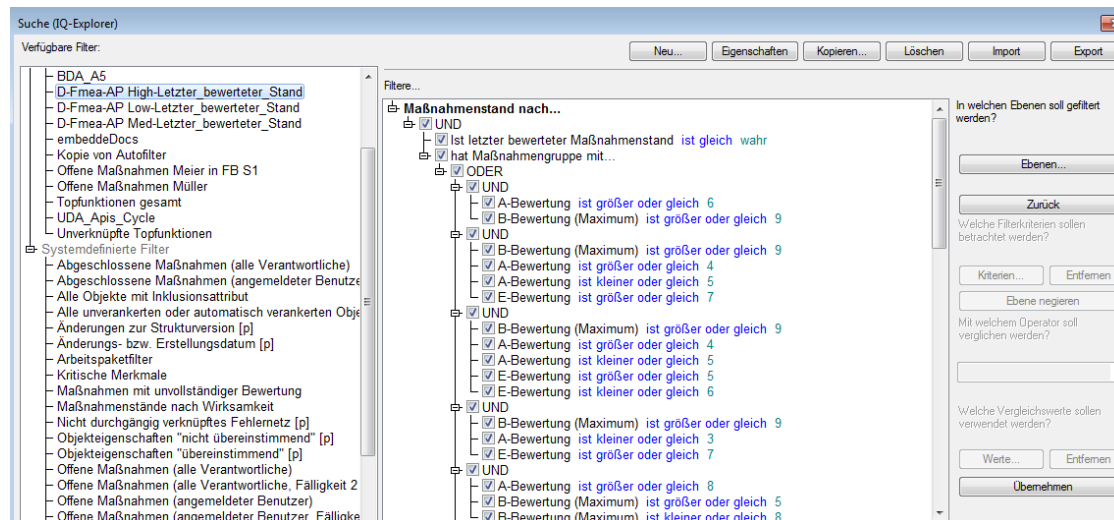
AP filter (2)

Download URL:

<https://www.apis.de/sl/ap/>

After unpacking the zip file, an fsf file is shown. Open the file via the “Import” button in the filter dialog of the IQ Explorer.

After having imported the filters, e.g. the following screen is displayed:





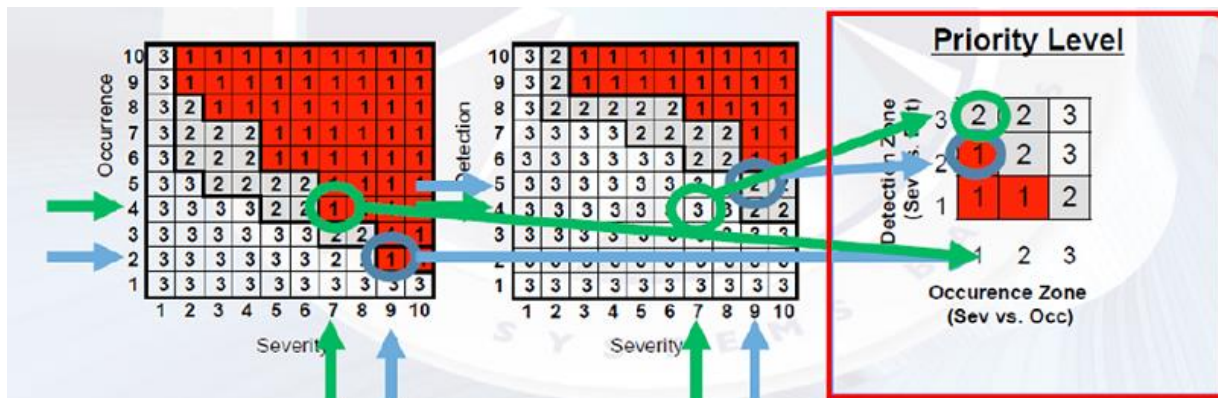
“Priority level” analysis

Some companies favor the “Priority Level” method of analysis. The basis for this are the two risk matrixes SxO and SxD.

The states in the matrix fields are expressed by the “Priority level” numbers 1, 2, and 3.

The number 1 stands for the highest risk, while the number 3 describes the lowest risk.

The values from both initial matrixes are then connected in a 3x3 matrix to become the actual Priority Level.



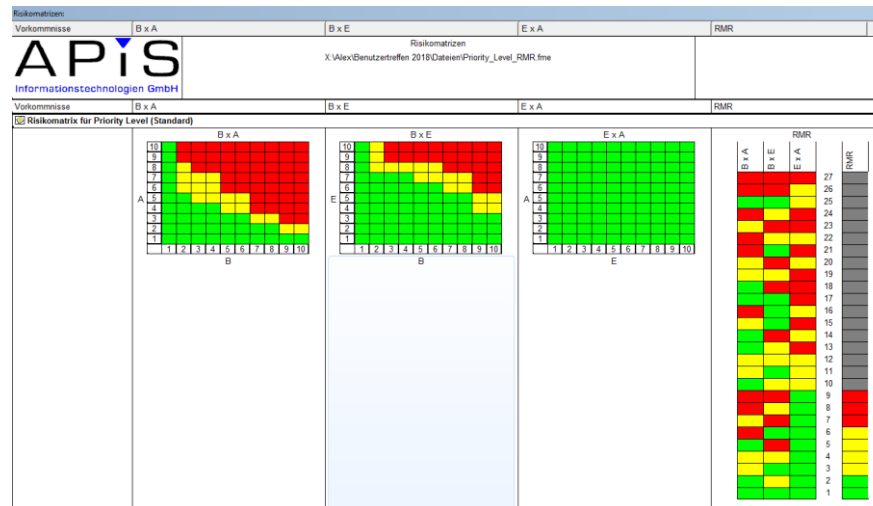


“Priority level” analysis (2)

When you visualize the “Priority Level” numbers by means of colors (1 = red, 2 = yellow, 3 = green), you can realize this method of analysis in the current version 6.5 of the IQ Software.

For this purpose, create a risk matrix set using the appropriate SxO and SxD basic matrixes. Define all fields in the third matrix (DxO) in one single color (e.g. green).

You can then define the assignment of the 3x3 “Priority Level” matrix (which is not available in version 6.5) via the RMR table.





Action tracking: Optional representation of scheduled deadlines

The statistical “Action tracking” analysis usually analyzes the actual completion date of an action in the “Completed actions” curve.

Activating the option “Use scheduled deadline” enables you to look into the future by analyzing the deadline. For all analysis dates before the date the analysis is created, however, the actual completion date of the action is used.

Maßnahmenverfolgung

Einstellungen Achsen Grafik Format

Zeitintervall Start

Beginn 01.01.2017

Zeitintervall Ende

Ende 17.03.2019

Erfassungsrate

Tage 30

Eigenschaften von Maßnahmen

☒ Verantwortlicher vorhanden

☒ Termin vorhanden

Zieldatum

Zieldatum

Auswertungsdatum in der Zukunft

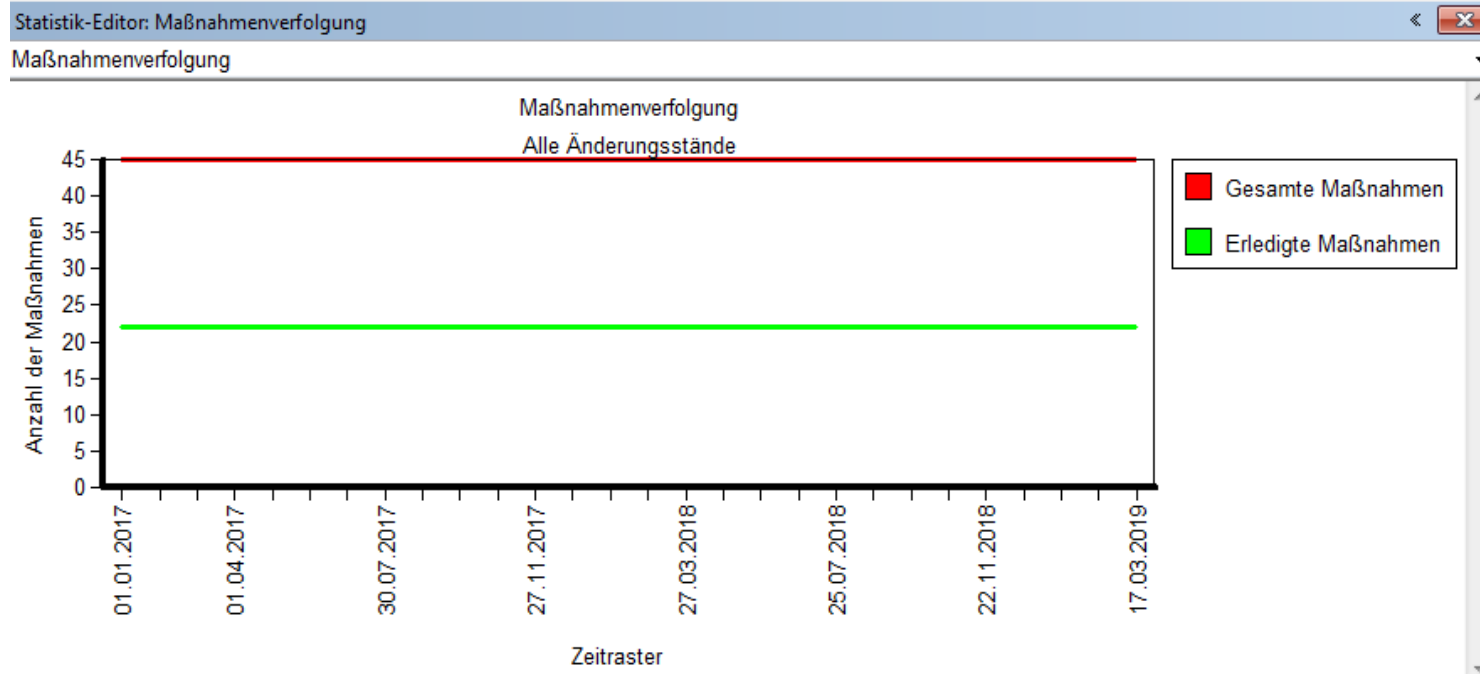
☒ Geplanten Termin verwenden

OK Abbruch Hilfe



Action tracking: Optional representation of scheduled deadlines (2)

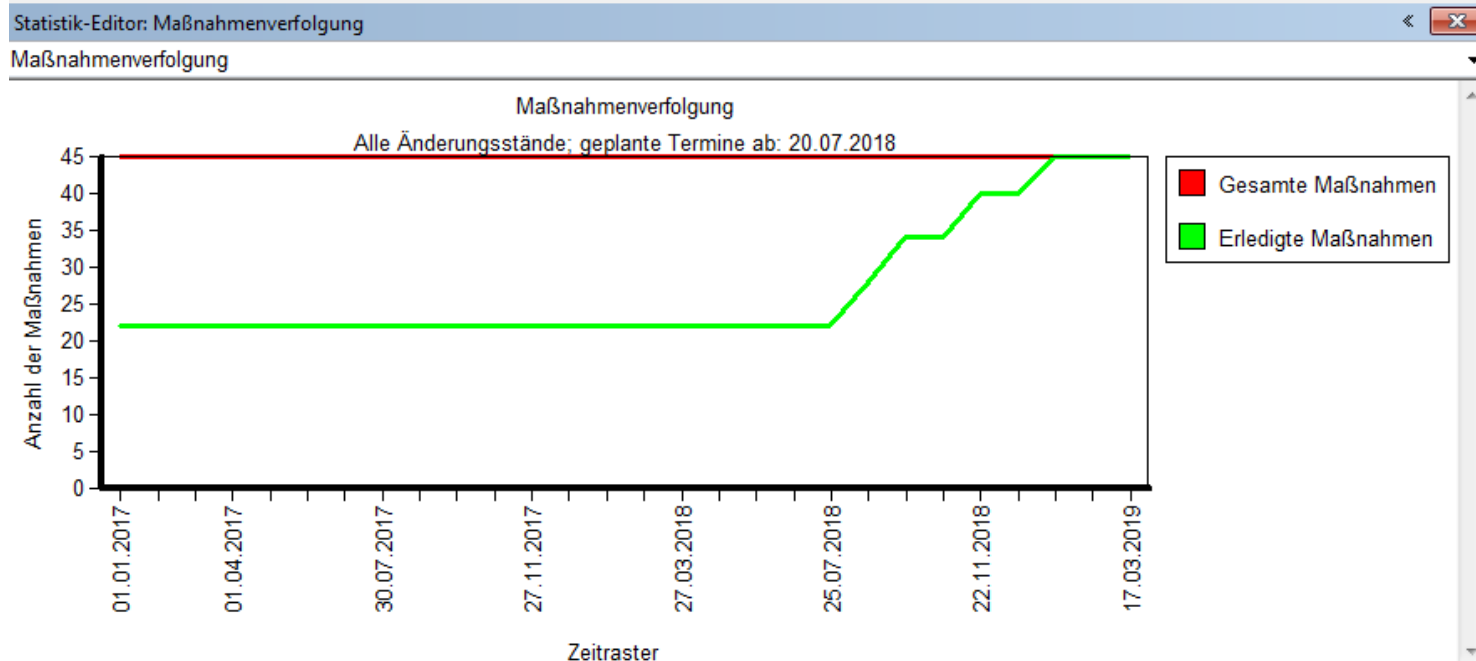
Analysis without scheduled deadlines:





Action tracking: Optional representation of scheduled deadlines (3)

Analysis with scheduled deadlines:





“*.exp” vs. structure interface

Two options are available to swap out a structure for external processing:

- Export file (*.exp)
- Structure interface

Features	Export file	Interface
Availability	All IQ versions	Pro versions only
Simultaneous working possible	no	yes
Intelligent consolidation	no	yes



Contents of the C column in the form

To meet the manifold demands on the C column, the display options for the form were extended in the “Options II” tab:

Anzeigeoptionen FMEA-Formblatt

- Optionen
- **Optionen II**
- Optionen III
- Sortieren
- Spaltenbreiten
- Spalteninhalt ein-/ausblenden

Kontextinformation für Funktionen/Merkmale

- ☐ Sachnummer des Systemelements/Prozesselements
- ☒ Name des Systemelements/Prozesselements

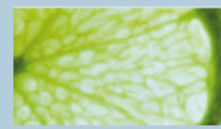
Kontextinformation für Fehlerarten

- ☒ Strukturname
- ☒ Systemelement/Prozesselement
- ☒ Funktion/Merkmal
- ☐ Klassifikation für Funktion/Merkmal

Inhalt der K-Spalte

- ☐ Klassifikation des Merkmals/der Funktion
- ☐ Klassifikation der Anforderung
- ☒ Klassifikationen der Fehlfunktion

The options regarding the classification (e.g. Pass on classification) in the document settings still need to be observed though.



First aid

You have got problems?

We can solve them!

support@apis.de