### The system and software house ...







### **ESG Solutions for IETP**

Vienna, September 18, 2013

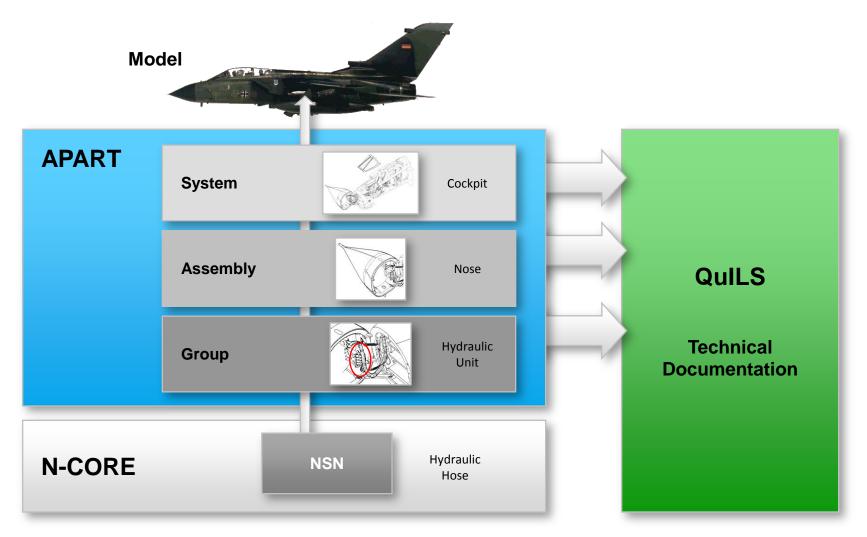
Uwe Schäfer



### Interactive Electronic Technical Publication



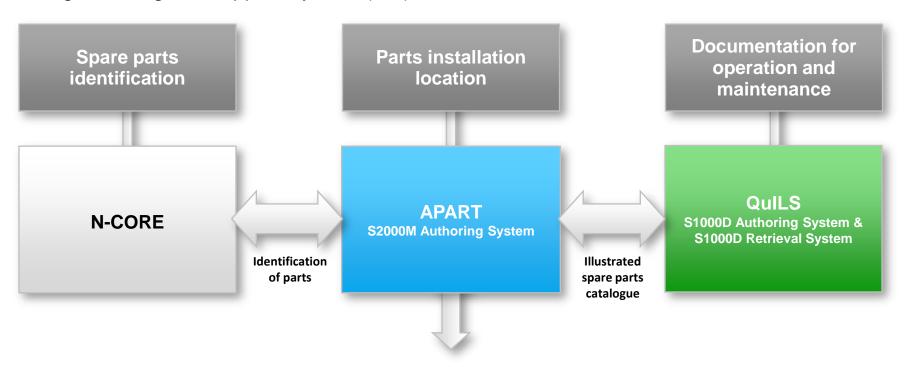
### **Target-oriented maintenance information systems**



### **QuILS & APART**



Our solutions for Interactive Electronic Technical Publications (IETP) are part of ESG's Integrated Logistic Support System (ILS)



Centralized control and decentralized processing for material maintenance

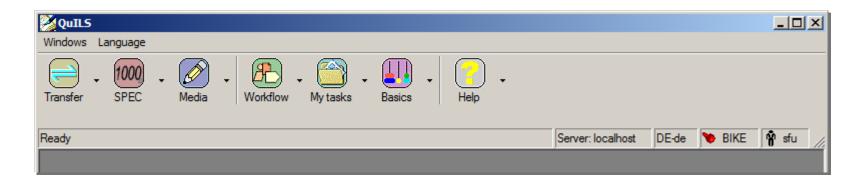
- Structuring of available basic data
- Specific maintenance-oriented information systems

### **QuILS Authoring System**



### How to

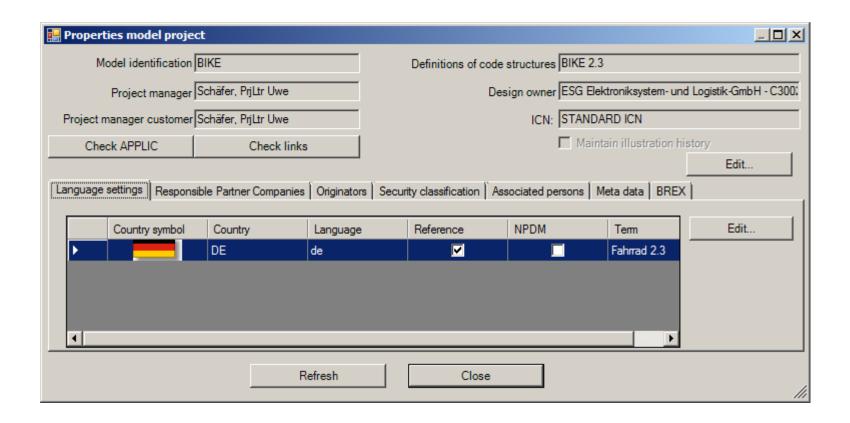
- create a project
- structure information
- use DMLs for project management
- define a work flow
- create a data transfer package
- verify data Quality Assurance
- define a publication



### **QuILS Authoring System - Project management**



#### How to create a project



# QuILS Authoring System - structure information



#### How to structure information

<Entry value="A-A7-00-10-00A"> <Term language="de" country="DE" action="status" hasDataModule="yes">Innenlager</Term> create SNS structure from </Entry> <Entry value="A-A7-00-20-00A"> GAPI <Term language="de" country="DE" action="status" hasDataModule="yes">Kurbeln</Term> </Entry> maintained SNS <Entry value="A-A7-00-30-00A"> <Term language="de" country="DE" action="status" hasDataModule="yes">Pedale</Term> System breakdowns / DMC display \_ | D | X | Country & Refresh BIKE Fahrrad 2.3 de-DE German (Germany) Language: DML Issue No. 2013, 00001, 0 01, send, P, ESG Elekt 2013, 00001; P; ESG Elektroniksysten via XML import Subordinate Flements Filter criteria Filter Data modules | System breakdown elements | Search System breakdowns | IPDs BIKE Fahrrad 2.3 🚊 🦸 ... Fahrrad RLDM Filter: Filter: ..@ 1 00-00-00-010- Fahrrad A7-... Antrieb I ▲ I ▲ Techname Infoname Or from DML .₫↑ A7-00-00-010- Antrieb Antrieb Beschreibung ♠ A7-00-10-00A- Innenlager Antrieb . € 7 A7-00-20-00A- Kurbeln Antrieb Bebilderte Teiledaten . A7-00-30-00A- Pedale Innenlager Ausbauverfahren .€ A7-00-40-00A- Kette Einbauverfahren Innenlager A7-1... Schaltung Innenlager Auswechseln = Ausbauen . ▲ A7-10-10-00A- Umwerfer Kurbeln Ausbauverfahren . € 7 A7-10-20-00A- Schaltwerk Kurbeln Finbauverfahren. Auswechseln = Ausbauen

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Ausbauverfahren

Einbauverfahren

Ausbauverfahren

Nieten

Auswechseln = Ausbauen .

## QuILS Authoring System - structure information



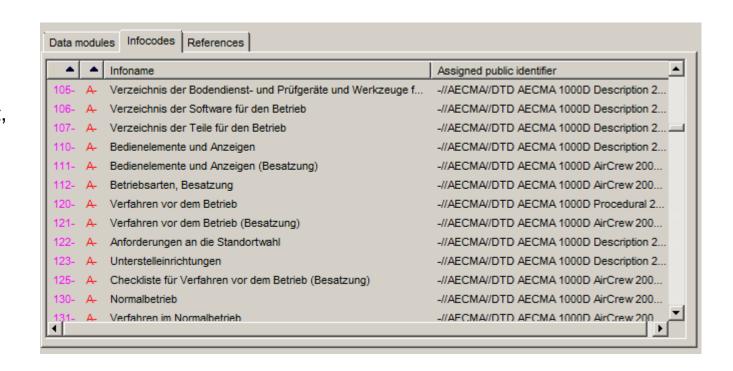
#### How to structure information

#### Create IC from

- SPEC
- NSG

via XML import, optional with assignment of doctype

Or from DML



© ESG

### **QuILS Authoring System - DML**



#### How to use DMLs for project management

- Create DM entries
  - Different ways how to generate DM entries
- Compare DML
- Combine DML
- Comment/answer DML
- other features
  - View techname structure
  - Check uniqueness of SNS<->techname

#### DMLs can be used throughout the application for

- Data module creation
- Filtering
- Defining work flows

### **QuILS Authoring System - work flows**



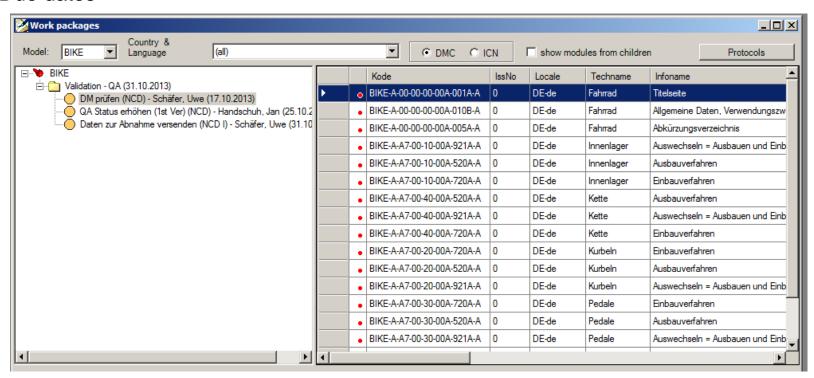
#### How to define a work flow

#### A workflow consists of

- tasks,
- persons,
- sequences,
- Due dates

#### **QuILS** offers

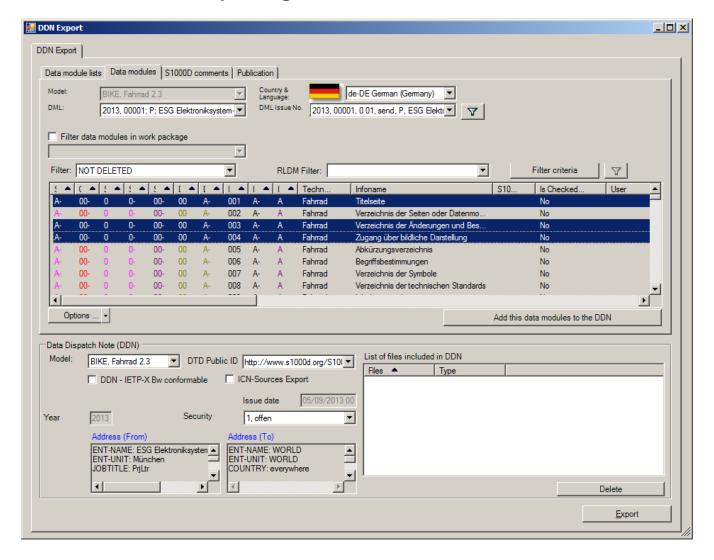
- flexible workflow
- free task definitions
- work progress tracking



### **QuILS Authoring System - data transfer**



#### How to create a data transfer package



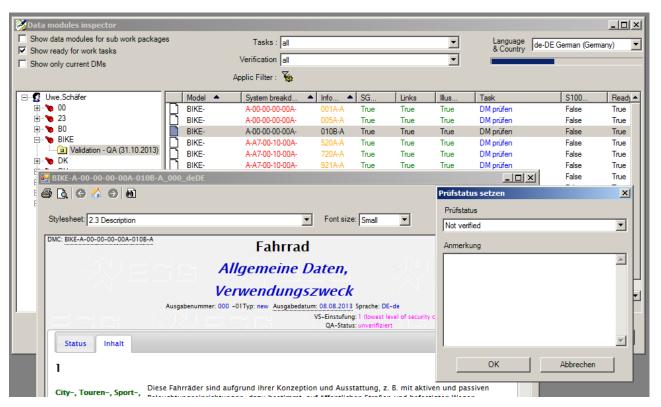
### **QuILS Authoring System - verifying / QA**



#### **How to verify data – Quality Assurance**

- Work flow driven quality assurance
- verification with
  - interactive preview,
  - code display
- creation of internal comments

- harmonizing different internal comments,
- automatic creation of IPRF/comment from consolidated internal comments
- Sending/receiving comments
- Linking comments to CSDB objects



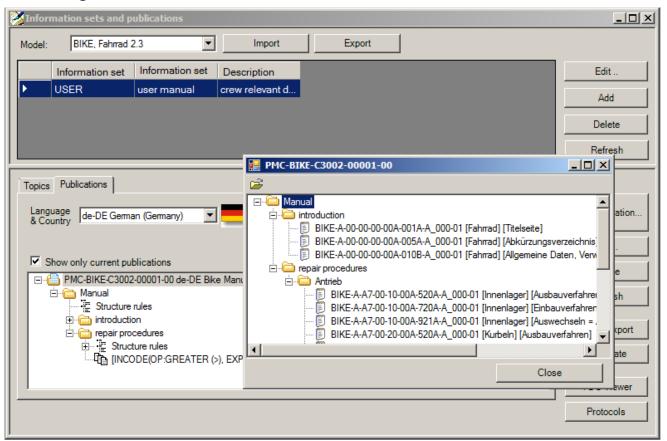
### **QuILS Authoring System - publications**



#### How to define a publication

- rule based structuring,
  - by breakdown,
  - information coding
  - or other

- preview of calculated structure
- output according to IETP-X for further use



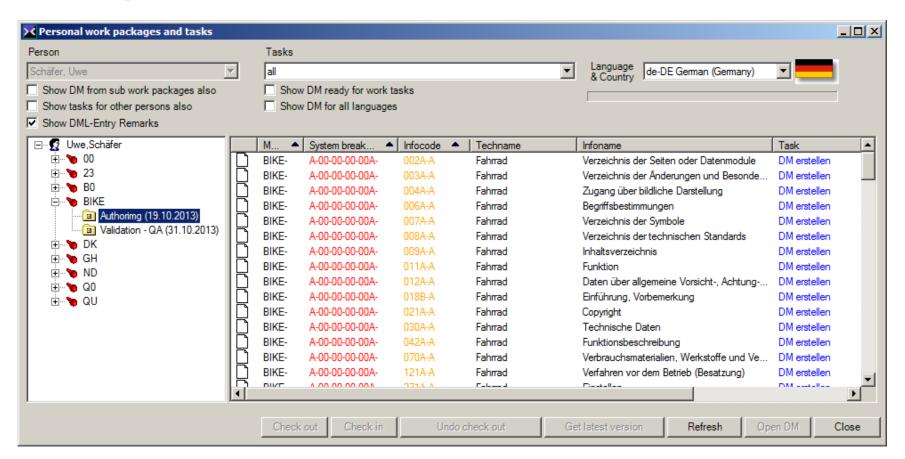
### **QuILS Authoring Workplace**



#### How to author data modules

- work package view
- editing aids

- preview
- BREX check



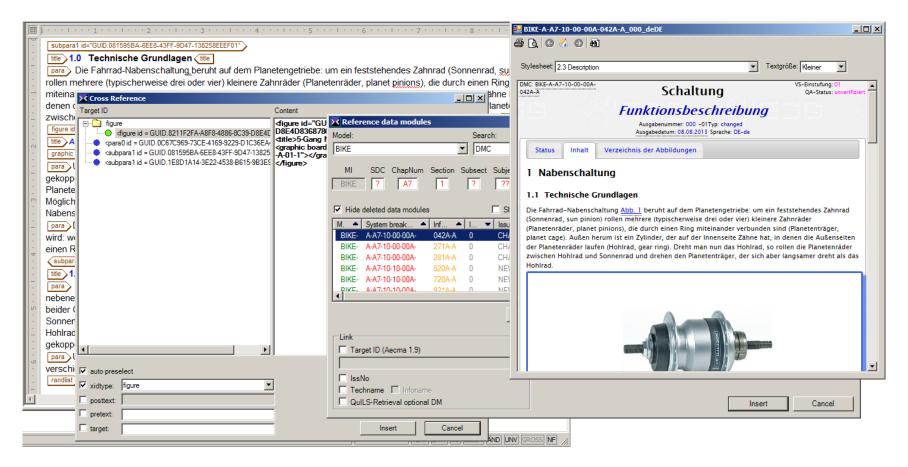
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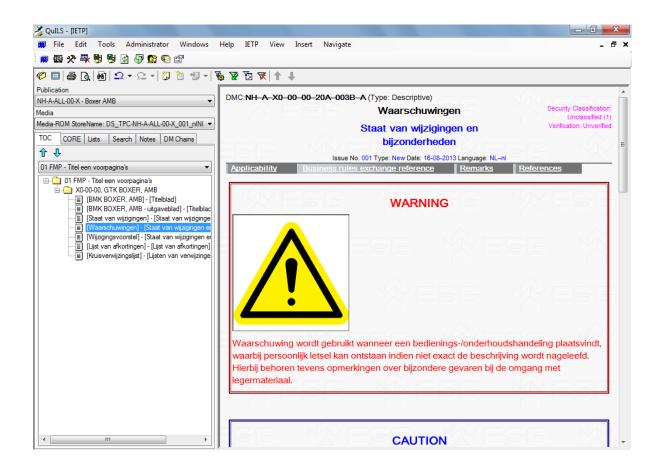
### **QuILS S1000D Retrieval System**



#### How to present the information

- registers CD/DVD as ROM store
- supports multiple languages

- supports logistics processes
- calculates maintenance chains



### **QuILS Authoring System**



How to get more information

# Visit us at B11

Thank you for your attention!