



# Data Facts and Requirements.

Version 1.0

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# DETA OVERVIEW

- TypMaster enhancements for Deta
  - Assign VIN to the corresponding approval
  - Unique Identifier for multiple approvals
  - Roles and rights
  - Additional archive attributes
  - Declaration of Conformance (DOC)
  - Import Documents/Approvals and iWVTA
  - Split approval no ?
  - Manufacturer/Representative entity
  - List of engine types entity ?
- Costs
- Timeline
  - Deta Light
  - Step 1
  - Step 2

# DETA

## ENHANCEMENTS VIN

- Assign VIN to the corresponding approval (IWVTA)
  - Relations: ID-Approval → VIN
    - Valid from; valid until
  - New Object VIN
    - VIN is not unique over the whole time ? 30 years guaranteed
      - The manufacturer is responsible for uniqueness
  - User-Interface for administration relations
    - Select IWVTA ; insert list of vins
  - User-Interface for **searching** by VIN and ID-Approval
    - How many VIN's will be displayed
  - User-Interface for administration of VIN-attributes

# DETA

## ENHANCEMENTS VIN

- Upload relations ID-Approval → VIN
  - Add new relations
  - Update former assignment to the new ID-Approval
  - Which attributes will be given corresponding to the Vin ?
    - EREG-Format and flat-file
  - List of all separate approval numbers/ UN Regulations
    - Only one regulation per approval number
- Batch-Download
  - Input: Approval-number
  - Output: All corresponding VIN's

# DETA

## ENHANCEMENTS VIN

- necessary from beginning
- Questions:
  - Approval
    - WVTA
    - iWVTA
    - LWVTA
    - Approval
  - What about VIN's not corresponding to a WVTA
    - Non standard approval
    - Single approval
    - Out of scope

# DETA

## ENHANCEMENTS Unique Identifier

- Unique Identifier for multiple approvals
  - new object
    - UID-MA (Name for this ID? UN-UID)
    - Description not necessary
    - No additional attributes
    - Question: how to find an UID-MA without other attributes ?
  - relations: UID-MA → ID-Approval
    - Approvals from different approval-authorities can be combined in one UID-MA
    - One approval can be assigned to different UID-MA's
  - User-Interface for administration new object and relations
  - Search with UID-MA show list of approvals
  - Search with approval show list of UID-MA approval relates to
  - Display list of UID-MA

# DETA

## ENHANCEMENTS Unique Identifier

- Unique Identifier for multiple approvals
  - Add approval to an UID-MA
    - Direct from the list of approvals
    - Add approvals to the basket
    - Add basket-content to an UID-MA
- necessary from beginning

# DETA

## ENHANCEMENTS Roles and rights

- Roles and rights
  - Objects
    - Approvals
    - VIN's
    - Relation VIN/Approval
    - ...
  - Stakeholder
    - car manufacturer (who produces the car)
    - other car manufacturer (who doesn't produce the car)
    - Subcontractors
    - manufacturers completing the car/vehicle platforms



# DETA

## ENHANCEMENTS Roles and rights

- Roles and rights
  - Stakeholder
    - Approval authorities
      - Local approval authority
      - approval authorities of other countries
      - approval authorities (signing and non signing countries)
    - Other Approval authorities
      - Police
      - ....
    - Technical services
      - For approval tasks
      - For general inspections
    - ...
  - Step 1 no customers ; only authorities and manufacturers

# DETA

## ENHANCEMENTS Roles and rights

- Roles and rights
  - Additional attributes for upload vin-data to achieve automatic rights
  - Transduction of rights ?
  - **Partial admin-rights for manufacturer** (granting access for their documents to other parties and grant the right to grant further )
  - Rights regarding UID-MA
  - Roles depending on regulations
  - Read-rights include the possibility to download the documents
    - Technical restriction ( Wysiwig: what you see is what you get)
  - Only manufacturers are allowed to upload vin's to their "own" approvals

# DETA

## ENHANCEMENTS Roles and rights

- Number of manufacturers    several thousand
  - At least an Role per manufacturer
- Number of combinations of manufacturers    ???
- Number of combinations : manufacturer and TAA
- Public Documents (no)
- Who will administrate ?
- Logging of every access to documents including the new “DOC”-documents
  - Download
  - Reporting
  - To be discussed
- necessary from beginning

# DETA

## ENHANCEMENTS Roles and rights

- Was fehlt an der jetzigen Oberfläche (Usability)
  - Zuordnung von Usern/Gruppen zu einer Rolle
    - Es wird die komplette Liste von Usern/Gruppen angezeigt, was bei mehreren Tausend Einträgen nicht mehr machbar ist
  - Es fehlt eine Suche nach Usern/Gruppen
  - Ist eine Upload-Funktionalität erforderlich ?

# DETA

## ENHANCEMENTS Additional archive attributes

- Additional archive attributes
  - Defined in other slides
  - Only one representative per Manufacturer and approval
- necessary from beginning
- Further attributes can be implemented at any time; no dependencies to other enhancements
  - Migration of existing data
  - How to fill additional attributes
- Move System Attributes to the end of the output

# DETA

## ENHANCEMENTS Declaration of Conformance (DOC)

- Generate Declaration of Conformance(DOC)
  - Search VIN
    - More than one approval → multiple DOC's or one with all approvals mentioned?
    - Relation VIN-Approval is documented; what about the relation to the regulations ?
  - Generate DOC
    - Save/open/download DOC
      - Local file-system
        - PDF
        - XML (EREG-Format)
    - Send DOC by Mail ?
    - Print DOC ?
    - Content of DOC ? (Step 1)
      - Annex 6
- Batch Generation of DOC's

# DETA

## ENHANCEMENTS Declaration of Conformance (DOC)

- Generate Declaration of Conformance(DOC)
  - necessary from beginning ?
  - List of regulations (UN)
    - Conformance list (document part)
    - List of all separate approval numbers
  - Protocol of all activities necessary ?(to be discussed)

# DETA

## ENHANCEMENTS Import Documents/Approvals

- Import Documents/Approvals and iWVTA
  - Step1
    - Upload documents/approvals
      - Additional with the defined attributes
      - 2 files
        - The approval-document
        - The **conformance-list** (predefined name)
  - Step 2
    - Upload iWVTA approval document
    - attributes
      - First with the same attributes as the other documents
      - Further step: extract (additional) attributes from the iWVTA XML-File



# DETA ENHANCEMENTS

## Timeline

- Regulations
  - UN-R-0 03/2017
    - 58-er/3 zu klären, welche Regelung und welcher Termin gilt
  - IWVTA 12/2017-Q1/2018
- Enhancements
  - Additional archive attributes 06/2016
  - Unique Identifier for multiple approvals 09/2016
  - Roles and rights 12/2016
  - Upload Step 1 (documents/approvals) 12/2016
  - Assign VIN to the corresponding approval 03/2017
  - Generate document of conformity (DOC) 03/2017
  - Upload Step 2 (iWVTA) 09/2017

# DETA ENHANCEMENTS

