

## DAT Interfaces

A wireframe model of a car, rendered in a golden-yellow color, is positioned in the upper half of the slide. The car is shown from a front-three-quarter perspective, highlighting its sleek design and large wheels. The background consists of a blue gradient with a subtle grid pattern, suggesting a digital or engineering environment.

**Valuation with SilverDAT valuateFinance, SilverDAT  
Expert and SilverDAT PRO**

# Agenda

- 1 Overview
- 2 Fuzzy valuation
- 3 Standard valuation
- 4 Dossier/Valuation functions
- 5 GUI interfaces
- 6 Test questions

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## Overview



**SilverDAT valuateFinance**  
Vehicle valuation online



**SilverDAT myClaim**  
Customized for professionals



**SilverDAT valuateExpert**  
Valuation system for technical experts

## Overview - valuation functions

### Variants

- Fuzzy valuation
- Valuation
- Deadline-related valuation
- Forecasts (new/used)

## Overview - valuation functions

### Variants

- Fuzzy valuation - `getVehicleApproximateValue`
- Standard valuation - `getVehicleEvaluation`
- Dossier/Valuation service - `createDossier/createValuation`
- Deadline-related valuation -  
`createDossier/getVehicleTargetDateEvaluationHistory`
- Forecasts (new/used) -  
`createDossier/getUsedVehicleForecast/getNewVehicleForecast`



## Overview - valuation functions

### Variants

- Fuzzy valuation                    - SilverDAT 3 valuateFinance
- Standard valuation                - SilverDAT 3 valuateFinance
- Forecasts                            - SilverDAT 3 valuateFinance
- Deadline-related                  - SilverDAT 3 valuateFinance/Expert
- Dossier service                    - SilverDAT 3 valuateFinance/Expert
- Valuation service                 - SilverDAT 3 PRO

## Overview - valuation functions

### Fuzzy valuation

- `getVehicleApproximateValue` (not recommended)
  - Identification and valuation within one function
  - HSN/TSN, VIN, DAT Europa-Code®, model code
  - Taxation type
  - Automatic optimization
  - Change of equipment **not** possible
  - Saving is **not** possible



## Overview - valuation functions

### Variants

- Standard valuation - `getVehicleEvaluation` (not recommended)
  - Identification in advance (`getVehicleIdentificationByVin`)
  - Taxation type
  - Optional equipment
  - Conditions
  - Saving
  - No additional equipment etc.

## Overview - valuation functions



### **Dossier-/Valuation service** (recommended)

- Identification in advance (getVehicleIdentificationByVin)
- Valuation (createDossier/createValuation)
- Taxation type
- Optional and additional equipments
- Subsequent changes (changeDossier/changeValuation)
- Saving

# Agenda

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## Fuzzy valuation - getVehicleApproximateValue

- Input parameter
  - DAT Europa-Code®, VIN, HSN/TSN (KBA code), model
  - First registration
  - Valuation indicator
  - Mileage (optional)
- Return parameter
  - DAT Europa-Code®
  - Standard and optional equipment
  - Reference mileage
  - Residual value of equipment
  - Dealer purchase and sales price

## Fuzzy valuation - getVehicleApproximateValue



### Factors of influence

- Several data for identification
  - Key will be selected automatically
- Several vehicles
  - Selection according to valuation indicator
  - Also when identified with VIN
- Reference mileage for current mileage
- Construction time for first registration
  - No valuation in case of false data input (first registration)

## Fuzzy valuation - getVehicleApproximateValue

```

<request>
  <restriction>APPRAISAL</restriction>
  <datECode>019051050020005</datECode>
  <kba>0603/BJH</kba>
  <identificationOrder>KBA|DATECODE</identificationOrder>
  <exFactoryPrice>18382</exFactoryPrice>
  <approximationSign>APPROXIMATION</approximationSign>
  <registrationDate>2013-10-21+02:00</registrationDate>
  <!-- Mileage: reference mileage as default -->
</request>
  
```

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## Valuation - in terms of standard valuation

- Input parameter
  - DAT Europa-Code®
  - First registration
  - Type of taxation
  - Mileage
  - Optional equipment
  - Further parameter possible
  
- Return parameter
  - Dealer purchase and sales price
  - Reference mileage
  - Residual value of equipment
  - Dossier
  - Further parameter possible

## Standard valuation with getVehicleEvaluation

```

<request>
  <restriction>APPRAISAL</restriction>
  <datECode>015700570020005</datECode>
  <container>DE003</container>
  <constructionTime>4962</constructionTime>
  <coverage>COMPLETE</coverage>
  <equipment/>
  <save>true</save>
  <mileage>75000</mileage>
  <registrationDate>2010-12-15+01:00</registrationDate>
</request>
  
```

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## Dossier-/valuation functions

### Manage a dossier in terms of Dossier-/valuation functions

- Create
- Call via DossierId/ContractId
- Change
- Actualization of valuation\*
- Remove to DAT default settings
- Delete\*
- printable documents\*
- Searching in terms of criteria\*

## Dossier-/valuation functions



### Manage a dossier in terms of Dossier-/valuation functions

- Create                      createDossier/createValuation
- Call                        getDossier/getValuation
- Change                    changeDossier/changeValuation
- Actualize                updateDossier
- Remove                  resetDossier2Default/resetValuation2default
- Delete                    deleteDossier
- Documents              exportDossier
- Search                    searchDossierList/findContract

## Valuation - in terms of dossier function

- Input parameter
  - **Non with incomplete mode** (only getValuation)
  - DAT Europa-Code®
  - Optional and additional equipment
  - First registration
  - Type of taxation
  - Mileage (optional)
  - Further parameter possible
  
- Return parameter (complete mode)
  - Reference mileage
  - Residual value of equipment
  - Dealer purchase and sales price
  - Dossier
  - Further parameter possible

## Valuation - in terms of dossier function (valueFinance/valuateExpert)

```

<vx:Dossier>
  <vx:Name>Muster</vx:Name>
  <vx:Language>de_DE</vx:Language>
  <vx:Vehicle>
    <vx:Country>DE</vx:Country>
    <vx:DatECode>015700570020005</vx:DatECode>
    <vx:Container>DE003</vx:Container>
    <vx:ConstructionTime>4962</vx:ConstructionTime>
    <vx:MileageEstimated>75000</vx:MileageEstimated>
    <vx:InitialRegistration>2011-12-15</vx:InitialRegistration>
  </vx:Vehicle>
</vx:Dossier>
  
```



## Valuation - in terms of createValuation (SilverDAT 3 PRO)

```

<vx: Dossier>
  <vx: Name>Muster</vx: Name>
  <vx: Language>de_DE</vx: Language>
  <vx: Country>DE</vx: Country>
  <vx: Currency>EUR</vx: Currency>
  <vx: Vehicle>
    <vx: Country>DE</vx: Country>
    <vx: DatECode>015700570020005</vx: DatECode>
    <vx: Container>DE003</vx: Container>
    <vx: ConstructionTime>4962</vx: ConstructionTime>
    <vx: MileageEstimated>75000</vx: MileageEstimated>
    <vx: InitialRegistration>2011-12-15</vx: InitialRegistration>
  </vx: Vehicle>
</vx: Dossier>
<contractType>bundle_valuation</contractType>
<networkType>DAT</networkType>
  
```

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- 1 Overview
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- 5 **GUI interfaces**
- 6 Test questions

## valueFinance - GUI - (post-) interface

- ▶ Integration of GUI in an external application
- ▶ Calling targets:
  - Procedure overview
  - New procedure
  - Open an existing procedure
  - Import and open of VXS
- ▶ Page selectable: Model, equipment, condition, valuation, tires ...
- ▶ Data return as VXS

# GUI interfaces - valuateFinance

## Model page of backdated valuation



INTEGRATION

Language
Help

Basic data

Procedure name \*

Example


Official registration

Deadline \*

02/16/2015

Vehicle data

Country


Germany

VIN

DAT Europa-Code® / Market index / Production period

01 905 108 004 0002 DE002 5419

Free-text search

First registration \*

01/01/2015

☐ First-registration filter

Mileage (km) \*

55,943

FMA

0603/BLP

Production period

5419

Search tree

←

→


financeline 1.37.05 09/2017 - D 1300553 / Anwender09

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# GUI interfaces - valuateFinance

## Condition page of a valuation





INTEGRATION

Language
Help

Price
☒ Net
☐ Gross

Identification of vehicle condition (EUR)

Value increase	0.00	<input type="text"/>	Collision damage	<input type="text" value="unknown"/>	
Value reduction	0.00	<input type="text" value="1,000.00"/>	Number of vehicle owners	<input type="text" value="7"/>	Correction (%) - 5 <input type="text" value="5"/>
Value of the standard tires considered (50%)	330.00		Adaption factor (%)	100	<input type="text"/>
Surcharge/discount for the tires mounted (difference to standard tires)	 0.00	<input type="text"/>	Repair costs	0.00	<input type="text"/>
Residual value of unmounted tires	 0.00	<input type="text"/>	Sale in repaired state	<input type="checkbox"/>	

Comments

←
←
→


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# GUI interfaces - valuateFinance

## Valuation page of a backdated valuation





Language
Help

Price
☒ Net
☐ Gross



Basic data

Output of result

Deadline \*



Initial registration \*


Mileage (miles) at the deadline \*

Taxation type
☒ Regular tax
☐ Difference

DAT Europa-Code®



01 905 108 004 0002 DE002 5419



Vehicle data


Volkswagen Golf VII Alltrack (BA5)(11.2014->) Basis 4Motion BMT



- engine 2,0 liter - 110 kW TDI  
- body: 4-door  
- transmission 6-speed

DE - Kb5 2.0 TDI BMT EU6, 2014 - 2017



Basic valuation (EUR)

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## GUI interfaces - valuateExpert

- ▶ Integration of GUI in an external application
- ▶ Calling targets:
  - Procedure overview
  - New procedure
  - Import
  - Processes (Process/page)
  - Master data
- ▶ Processes: valuation, produce
- ▶ Page selectable: creation a new procedure, model, condition, value definition, etc.
- ▶ Page list definable
- ▶ Data return as VXS

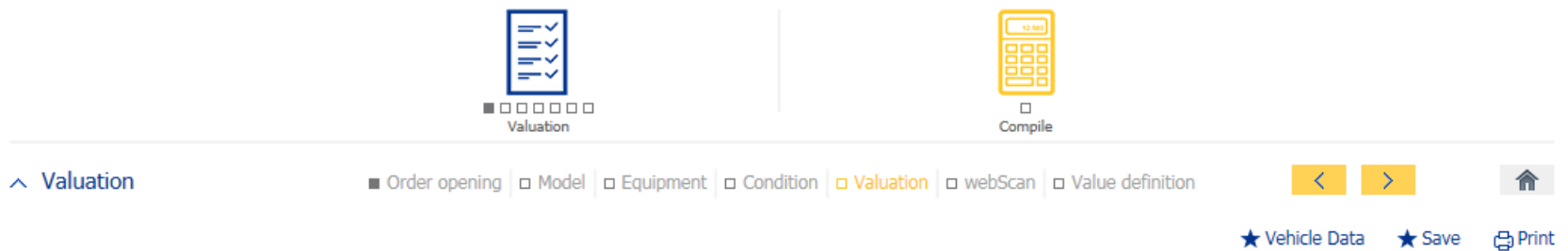


# GUI interfaces - valuateExpert

## Navigation



- Process change in terms of pictograms
- Mask change in terms of mask name or arrow keys
- Close in terms of setting a tick



# GUI interfaces - valuateExpert

## Order opening

INTEGRATION

Valuation
Order opening
Model
Equipment
Condition
Valuation
webScan
Value definition

>
Home
Check

Order
New
Save

Procedure name \*
DAT Test

License plate number
ES DAT 123

Order number
AnyOrderNo

Contract number
AnyContractNo

Customer data

Date of visit
08/23/2017

Customer kind / location of visit
Requestor / At home

Visited by
Test, User

Customer

Customer kind
Requestor

Salutation
Mr.

First name
James

Last name
Smith

Company
MyCompany

Name 2

Street
Samplestreet

ZIP / city
999999 Samplecity

Customer number
1234567

Customer type
Trade

VAT number
VATNo007

Contact data

Office telephone

Mobile telephone

E-mail

Fax

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SilverDAT valuateExpert 1.10.00-DVLP-CI build41582 09/2017 - D 1300553 / Anwender09 © 2008-2016 at DAT

## Value definition

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## GUI interfaces - SilverDAT PRO

- ▶ Integration of the user interface into a third-party application planned for 04/2018
- ▶ Direct call of myClaim in terms of parameter handoff in URL
  - **fabrikat:** DAT
  - **signature:** customer signature
  - **customerNumber** customer number
  - **login:** login name of customer
  - **claim:** claimID of procedure

## GUI interfaces - SilverDAT PRO



### Procedure for direct access to myClaim

- Create using createValuation (incomplete Mode)
- Processing in the surface
- Get dossier with getValuation


### Example:

[http://www.dat.de/myClaim/json/security/Login?fabrikat=DAT&signature=670a8f439cdb668be4b624a4efb9ae2b26a1b3b7cedbc4894a54e6c4520fdce3&customerNumber=1300553&login=Anwender09#claim?&subView=bundle\\_valuation&claim=41918](http://www.dat.de/myClaim/json/security/Login?fabrikat=DAT&signature=670a8f439cdb668be4b624a4efb9ae2b26a1b3b7cedbc4894a54e6c4520fdce3&customerNumber=1300553&login=Anwender09#claim?&subView=bundle_valuation&claim=41918)

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## Test questions for valuation

-  Which information does the 15 digit long DAT Europa-Code® include?
- a. Construction time
  - b. Standard equipment
  - c. Colors and upholstery
  - d. Residual value
  - e. Manufacturer, main type, sub-type and sub-type variant
  - f. Engine, body work and transmission
  - g. Fitted optional equipment



## Test questions for valuation

- ▶ Which information does the 15 digit long DAT Europa-Code® include?
- a.
  - b. Standard equipment
  - c.
  - d.
  - e. Manufacturer, main type, sub-type and sub-type variant
  - f. Engine, body work and transmission
  - g.

## Test questions for valuation

- ▶ Which functions are suitable to execute a current used car valuation?
- a. getVehicleData
  - b. getVehicleEvaluation
  - c. getVehicleIdentification
  - d. getVehicleApproximateValue
  - e. getNewVehicleForecast
  - f. createDossier/createValuation

## Test questions for valuation

- ▶ Which functions are suitable to execute a current used car valuation?
- a.
  - b. `getVehicleEvaluation`
  - c.
  - d. `getVehicleApproximateValue`
  - e.
  - f. `createDossier/createValuation`

## Test questions for valuation

- ▶ Which functions do allow to save a new vehicle valuation as a procedure?
- a. getVehicleTargetDateEvaluationHistory
  - b. getVehicleApproximateValue
  - c. createDossier/createValuation

## Test questions for valuation

- ▶ Which functions do allow to save a new vehicle valuation as a procedure?
- a.
  - b.
  - c. createDossier/createValuation

## Test questions for valuation

- ▶ Which data is at least needed to execute a current vehicle valuation (directly or indirectly)?
- a. Number of owners
  - b. DAT Europe-Code® 15 digits
  - c. (DAT) Container
  - d. Vehicle Identification Number (VIN)
  - e. Current mileage
  - f. First registration
  - g. Construction in DAT notation

## Test questions for valuation

- ▶ Which data is at least needed to execute a current vehicle valuation (directly or indirectly)?
- a.
  - b. DAT Europe-Code® 15 digits
  - c. (DAT) Container
  - d.
  - e. Current mileage
  - f. First registration
  - g. Construction in DAT notation

## Test questions for valuation

► By which value you can call again a saved valuation distinctly?

- a. Vehicle Identification Number (VIN)
- b. DAT Europe-Code® 24 digits long
- c. License plate
- d. KBA key
- e. DossierId/contractId
- f. Fitted optional equipment
- g. (DAT) Container
- h. Current mileage
- i. First registration



## Test questions for valuation

► By which value you can call again a saved valuation distinctly?

- a.
- b.
- c.
- d.
- e. DossierId/contractId
- f.
- g.
- h.
- i.



Thank you for your attention!