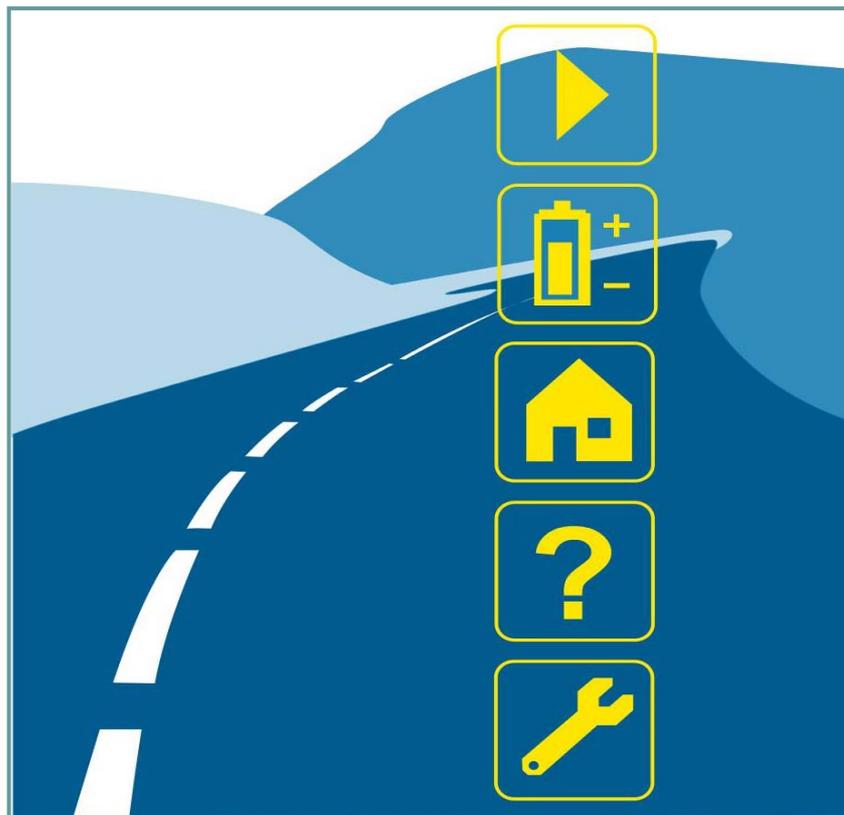


BMW Group Online Service System ISTA/P User Manual

V 1.4

March 2012



1. ISTA/P



NOTE

To use ISTA/P, additional software installation is required. Refer to the OSS Installation Manual for details.

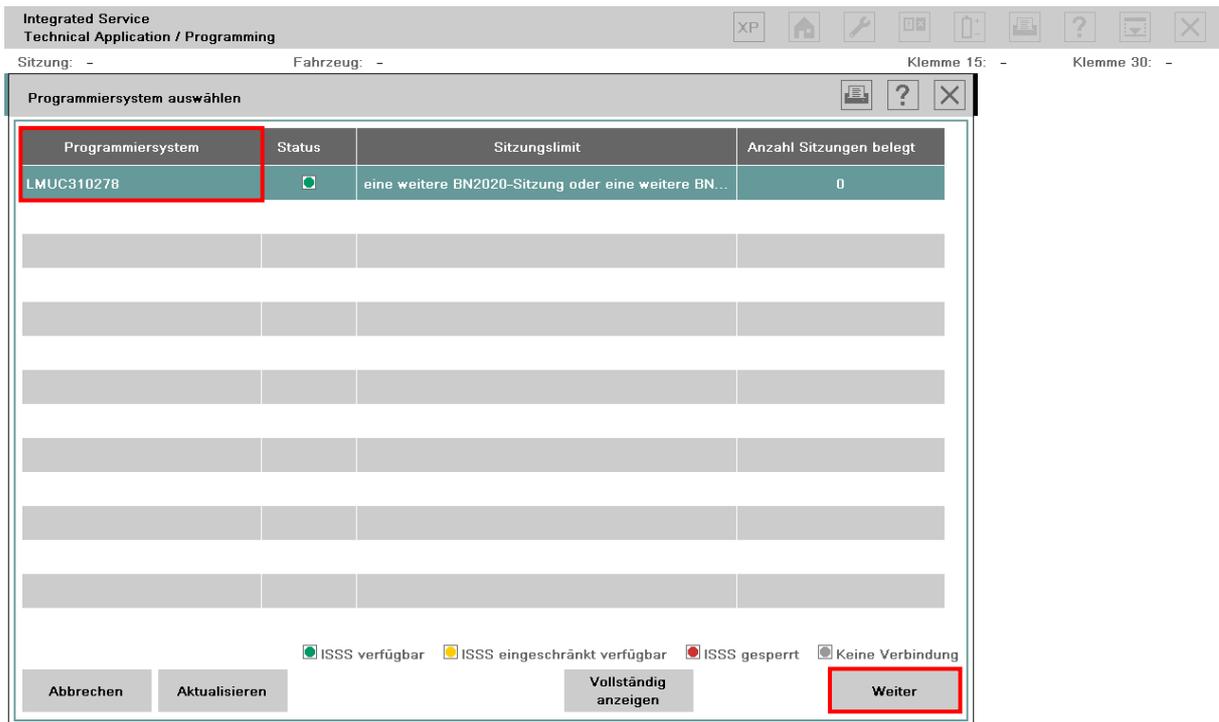
ISTA/P can be started once the necessary software has been successfully installed. Please refer to the OSS Installation manual for details.

Once ISTA/P Online has started, the session overview is displayed.

The screenshot shows the ISTA/P software interface. At the top, there is a header bar with the text "Integrated Service Technical Application / Programming" and several icons. Below the header, there are tabs for "Sitzung", "Programmierung", "Fahrzeug", and "Datenverwaltung". The "Sitzung" tab is active, and within it, the "Neue Sitzung anlegen" button is highlighted with a red box. Below the tabs, there is a table with the following columns: "Sitzungsname", "Startzeit", "Programmiersystem", "Status", and "Restliche Programmierzeit". The table is currently empty. At the bottom of the table, there are four status indicators: "Offen" (green circle), "In Bearbeitung" (red circle), "Aktion nötig" (yellow circle), and "Nicht visualisierbar" (grey circle). A "Weiter" button is located at the bottom right of the interface.

- Select the index tab "Create new session"

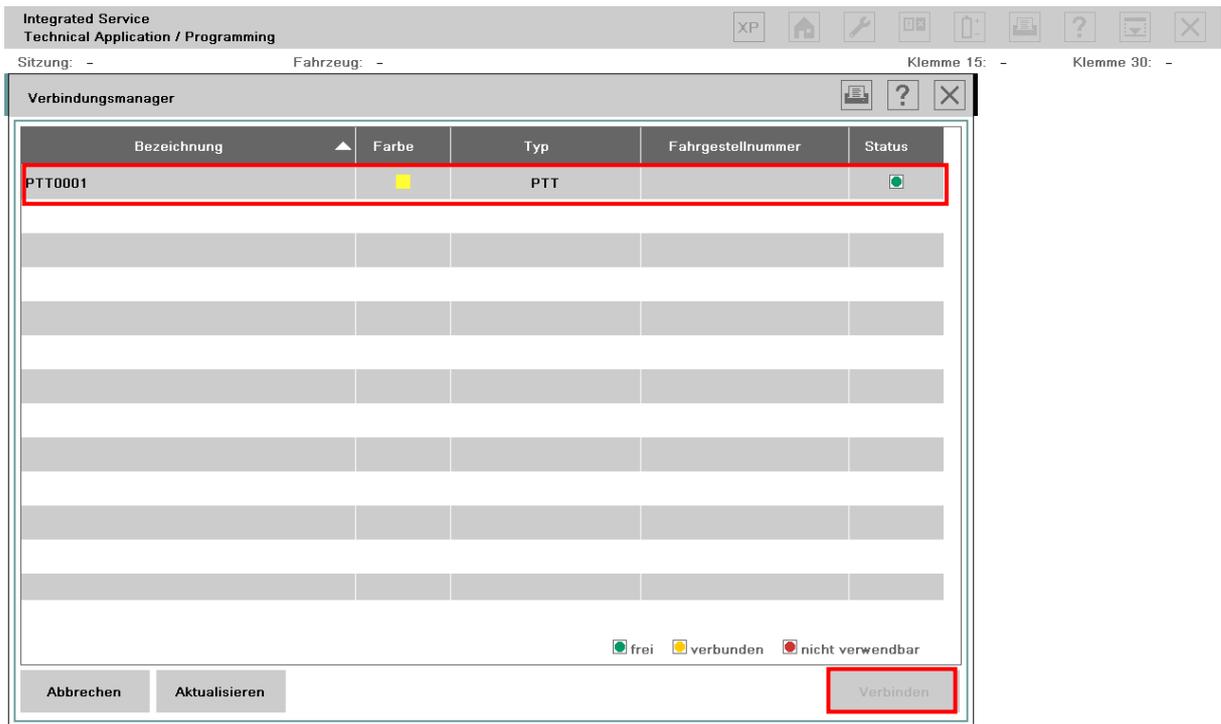
The selectable programming system is displayed.



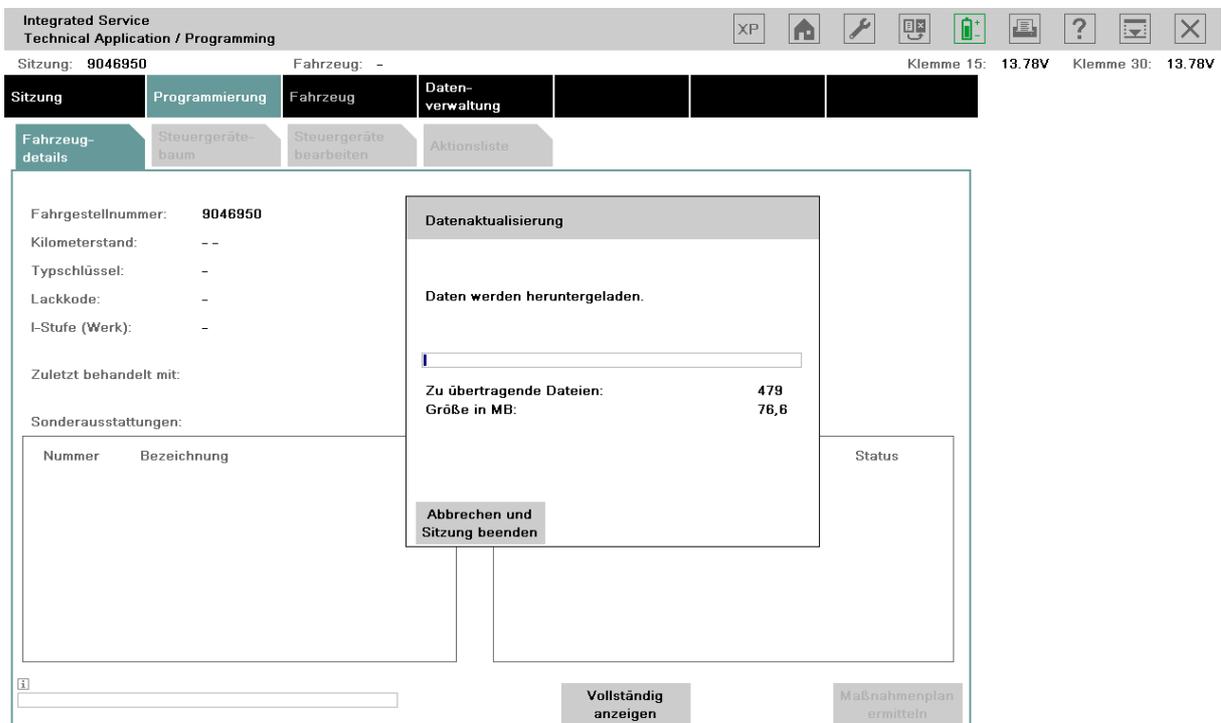
In contrast to ISTA/P no ISSS is displayed as the programming system in ISTA/P Online. The name of the computer used is displayed.

- Select the programming system
- Select the "Next" button

The available vehicle interface is displayed.



- Select a free vehicle interface (status green)
- Select the "Connect" button



The computer communicates via the vehicle interface with the vehicle, identifies the model series and downloads the model-series-specific data via the Internet. Depending on PC hardware, vehicle condition, and internet connection speed the download of data may take 1 or more hours. Once the data has been downloaded the programming session will begin.

During the programming process ISTA/P may request an activation code depending on work performed to the vehicle. Please send an email to tech@bmwna.com with the following information:

- Name
- Email address
- VIN number
- A description of the work performed
- The information requested by the ISTA/P application.

Prerequisites

- **Vehicle Order (VO) as XML file received via PuMA case or email, e.g., FZ38042.xml**
- **Media to copy the XML file on**
 - **USB stick (recommended)**
 - **CD-ROM media and CD/DVD burner**
 - **Floppy disc**
- **IBAC code provided by RTE/NTE via PuMA case or email, e.g., 3R4SMT4NRI65QBI**

Important Notes

1. **When using a USB stick, ensure it's formatted as a removable disc (usually default format). Otherwise the stick will not be recognized by ISTA/P.**
2. **More than one VO can be loaded on the interchangeable data media. VOs then need to be separated by different file names.**
3. **Recommended filename is
[7-digit VIN].xml**
4. **Currently the import of a VO is protected by IBAC. Make sure you have the 15 digit IBAC code before you connect the vehicle.**

ISTA/P – How to import a vehicle order (VO)

P3

January 09

Integrated service
Technical application / programming

Session: - Vehicle: - Terminal 15: - Terminal 30: -

Session Programming Vehicle **Data management**

Session overview Create new session Enter session name

Session name	Start time	Programming system	Status	Remaining programming time

Select *Data management* on the ISTA/P start screen.

Open Being prepared Action necessary Cannot be visualised

Continue

1

ISTA/P – How to import a vehicle order (VO)

P4

January 09

Integrated service
Technical application / programming

Session: - Vehicle: - Terminal 15: - Terminal 30: -

Session Programming Vehicle **Data management**

Import activation code Delete activation code **Import vehicle order** Delete vehicle order Reports

Vehicle ID number

- CN63757
- DT32832
- LX04395

already stored vehicle orders

1 Select *Import vehicle order*.
2 Click on *Import*.

Number of bits: -

Import

1 2

ISTA/P – How to import a vehicle order (VO)

P5

January 09

Integrated service
Technical application / programming

Session: - Vehicle: - Terminal 15: - Terminal 30: -

Import activation code Delete activation code **Import vehicle order** Delete vehicle order Reports

Vehicle ID number ▲
CN63757
DT32832
LX04395

Filter: Number of hits: Import

Insert interchangeable data medium

Insert interchangeable data medium and confirm OK.

Cancel **OK**

Insert the media (e.g., USB stick) in the ISSS and click on OK.



ISTA/P – How to import a vehicle order (VO)

P6

January 09

Integrated service
Technical application / programming

Session: - Vehicle: - Terminal 15: - Terminal 30: -

Interchangeable data medium has been read

Status	Vehicle ID number
	FZ38042

Cancel **Start import**

1 Select the VIN.
2 Click on Start import.



ISTA/P – How to import a vehicle order (VO)

P7

January 09

Integrated service
Technical application / programming

Session: - Vehicle: - Terminal 15: - Terminal 30: -

Session	Programming	Vehicle	Data management		
---------	-------------	---------	-----------------	--	--

Import activation code Delete activation code **Import vehicle order** **Delete vehicle order** Reports

Vehicle ID number ▲
CN63757
DT32832
FZ38042 — imported vehicle order
LX04395

Filter: Filter Displays Number of hits: Import

1 2 3 4 5

1 Select *Delete vehicle order*.
2 Select *Import vehicle order*.

ISTA/P – How to import a vehicle order (VO)

P8

January 09

Integrated service
Technical application / programming

Session: FZ38042 Vehicle: F04 Terminal 15: 13.64V Terminal 30: 13.64V

Session	Programming	Vehicle	Data management		
---------	-------------	----------------	-----------------	--	--

Conversions Vehicle actions

Import vehicle order Overall encoding

Estimated run duration: 00:00:00 Determine measures plan

1 2 3 4 5 6

Start a session with the vehicle to which you want to write the imported VO.
After complete identification:
1 Select *Vehicle*.
2 Check out *Import vehicle order*.

ISTA/P – How to import a vehicle order (VO)

P9

January 09

Integrated service
Technical application / programming

Session: FZ38042 Vehicle: E91 Terminal 15: 13.67V Terminal 30: 13.67V

Session Programming Vehicle Data management

Conversions

Vehicle order import

Import v
 Overall

Vehicle order for vehicle identification number WBAVT735X8FZ38042 to be written from data management to the connected vehicle?

OK Termination

Updating measures plan
Estimated run duration: 00:00:00

Display complete Determine measures plan

1 2 3 4 5 6 7

Compare the VINs:
If they match, click on OK.
If not, click on Termination.

ISTA/P – How to import a vehicle order (VO)

P10

January 09

Integrated service
Technical application / programming

Session: FZ38042 Vehicle: E91 Terminal 15: 13.77V Terminal 30: 13.77V

Session Programming Vehicle Data management

Conversions

Input IBAC activation code

Import v
 Overall

IBAC service: Import vehicle order
IBAC action: Activate
Folder code: 0045
IBAC activation code

3R4SMT4NRI65QBI

OK

Updating measures plan
Estimated run duration: 00:00:00

Display complete Determine measures plan

1 2 3 4 5 6 7 8

1 Type in the 15 digit IBAC code.
2 Click on OK.

ISTA/P – How to import a vehicle order (VO)

P11

January 09

Integrated service
Technical application / programming

Session: FZ38042 Vehicle: E91 Terminal 15: 13.67V Terminal 30: 13.67V

Session Programming Vehicle Data management

Conversions

Confirmation IBAC activation code

Import v
 Overall

Is the input: '3R4SMT4NRI65QBI' correct?

If so, confirm input with 'OK'; otherwise the input can be repeated after selection of 'Back'.

OK Back

Confirm that the IBAC code is correct with OK, or go Back to reenter the code.

Updating measures plan
Estimated run duration: 00:00:00 Display complete Determine measures plan

1 2 3 4 5 6 7 8 9

ISTA/P – How to import a vehicle order (VO)

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January 09

Integrated service
Technical application / programming

Session: FZ38042 Vehicle: E91 Terminal 15: 13.75V Terminal 30: 13.75V

Session Programming Vehicle Data management

Conversions

Import vehicle order successful

Import v
 Overall

Vehicle order for vehicle identification number WBAVT735X8FZ38042 was successfully written from data management to the connected vehicle. The session will now be ended.

OK

Click on OK. The imported VO is now written to the vehicle.

Updating measures plan
Estimated run duration: 00:00:00 Display complete Determine measures plan

1 2 3 4 5 6 7 8 9 10

Prerequisites

- ZIP archive file with:
 - release code (FSC) file (.xml)
e.g., FZ38042_00020001.xml
 - certificate file (.der)
e.g., FZ38042_00020001.der

- Media to copy the files on
 - USB stick (recommended)
 - CD-ROM media and CD/DVD burner
 - Floppy disc

Important Notes

1. **This import function neither writes the code to the vehicle nor activates the associated function in the vehicle. The activation will be requested during the measures plan realization.**

2. **When using a USB stick ensure, that it's formatted as a removable disc (usually default format). Otherwise the stick will not be recognized by ISTA/P.**

3. **The FSC file (.xml) AND the certificate file (.der) need to be extracted on the media. Do not copy the ZIP archive file on the media.**

ISTA/P – How to import an enabling code (FSC)

P3

January 09

Integrated service
Technical application / programming

Session: - Vehicle: - Terminal 15: - Terminal 30: -

Session Programming Vehicle **Data management**

Session overview Create new session Enter session name

Session name	Start time	Programming system	Status	Remaining programming time

Select *Data management* on the ISTA/P start screen.

Open Being prepared Action necessary Cannot be visualised

Continue

1

ISTA/P – How to import an enabling code (FSC)

P4

January 09

Integrated service
Technical application / programming

Session: - Vehicle: - Terminal 15: - Terminal 30: -

Session Programming Vehicle Data management

Import activation code Import activation Import vehicle order Delete vehicle order Reports

Vehicle ID number	Software ID	File	Certificate

Filter play complete Enter short activation code

Number of hits: **Import**

1 Select *Import activation code*.
2 Click on *Import*.

1 2

Prerequisites

- ZIP archive file with:
 - release code (FSC) file (.xml)
e.g., FZ38042_00020001.xml
 - certificate file (.der)
e.g., FZ38042_00020001.der

- Media to copy the files on
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 - CD-ROM media and CD/DVD burner
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Important Notes

1. **This import function neither writes the code to the vehicle nor activates the associated function in the vehicle. The activation will be requested during the measures plan realization.**

2. **When using a USB stick ensure, that it's formatted as a removable disc (usually default format). Otherwise the stick will not be recognized by ISTA/P.**

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ISTA/P – How to import an enabling code (FSC)

P3

January 09

Integrated service
Technical application / programming

Session: - Vehicle: - Terminal 15: - Terminal 30: -

Session Programming Vehicle **Data management**

Session overview Create new session Enter session name

Session name	Start time	Programming system	Status	Remaining programming time

Select *Data management* on the ISTA/P start screen.

Open Being prepared Action necessary Cannot be visualised

Continue

1

ISTA/P – How to import an enabling code (FSC)

P4

January 09

Integrated service
Technical application / programming

Session: - Vehicle: - Terminal 15: - Terminal 30: -

Session Programming Vehicle Data management

Import activation code Import activation Import vehicle order Delete vehicle order Reports

Vehicle ID number	Software ID	File	Certificate

Filter play complete Enter short activation code

Number of hits: **Import**

1 Select *Import activation code*.
2 Click on *Import*.

1

2

Prerequisites

- **Vehicle Order (VO) as XML file received via PuMA case or email, e.g., FZ38042.xml**
- **Media to copy the XML file on**
 - **USB stick (recommended)**
 - **CD-ROM media and CD/DVD burner**
 - **Floppy disc**
- **IBAC code provided by RTE/NTE via PuMA case or email, e.g., 3R4SMT4NRI65QBI**

Important Notes

1. **When using a USB stick, ensure it's formatted as a removable disc (usually default format). Otherwise the stick will not be recognized by ISTA/P.**
2. **More than one VO can be loaded on the interchangeable data media. VOs then need to be separated by different file names.**
3. **Recommended filename is
[7-digit VIN].xml**
4. **Currently the import of a VO is protected by IBAC. Make sure you have the 15 digit IBAC code before you connect the vehicle.**

ISTA/P – How to import a vehicle order (VO)

P3

January 09

Integrated service
Technical application / programming

Session: - Vehicle: - Terminal 15: - Terminal 30: -

Session Programming Vehicle **Data management**

Session overview Create new session Enter session name

Session name	Start time	Programming system	Status	Remaining programming time

Select *Data management* on the ISTA/P start screen.

Open Being prepared Action necessary Cannot be visualised

Continue

1

ISTA/P – How to import a vehicle order (VO)

P4

January 09

Integrated service
Technical application / programming

Session: - Vehicle: - Terminal 15: - Terminal 30: -

Session Programming Vehicle **Data management**

Import activation code Delete activation code **Import vehicle order** Delete vehicle order Reports

Vehicle ID number

- CN63757
- DT32832
- LX04395

already stored vehicle orders

1 Select *Import vehicle order*.
2 Click on *Import*.

Number of bits: -

Import

1 2

ISTA/P – How to import a vehicle order (VO)

P5

January 09

Integrated service
Technical application / programming

Session: - Vehicle: - Terminal 15: - Terminal 30: -

Import activation code Delete activation code **Import vehicle order** Delete vehicle order Reports

Vehicle ID number ▲
CN63757
DT32832
LX04395

Filter: Number of hits: Import

Insert interchangeable data medium

Insert interchangeable data medium and confirm OK.

Cancel **OK**

1 2 3

Insert the media (e.g., USB stick) in the ISSS and click on OK.

ISTA/P – How to import a vehicle order (VO)

P6

January 09

Integrated service
Technical application / programming

Session: - Vehicle: - Terminal 15: - Terminal 30: -

Interchangeable data medium has been read

Status	Vehicle ID number
	FZ38042

1 Select the VIN.
2 Click on *Start import*.

Cancel **Start import**

1 2 3 4

1

2

ISTA/P – How to import a vehicle order (VO)

P7

January 09

Integrated service
Technical application / programming

Session: - Vehicle: - Terminal 15: - Terminal 30: -

Session	Programming	Vehicle	Data management		
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Import activation code Delete activation code **Import vehicle order** **Delete vehicle order** Reports

Vehicle ID number ▲
CN63757
DT32832
FZ38042 — imported vehicle order
LX04395

Filter: Filter Displays Number of hits: Import

1 2 3 4 5

1 Select *Delete vehicle order*.
2 Select *Import vehicle order*.

ISTA/P – How to import a vehicle order (VO)

P8

January 09

Integrated service
Technical application / programming

Session: FZ38042 Vehicle: F04 Terminal 15: 13.64V Terminal 30: 13.64V

Session	Programming	Vehicle	Data management		
---------	-------------	----------------	-----------------	--	--

Conversions **Vehicle actions**

Import vehicle order Overall encoding

Estimated run duration: 00:00:00 Determine measures plan

1 2 3 4 5 6

Start a session with the vehicle to which you want to write the imported VO.
After complete identification:
1 Select *Vehicle*.
2 Check out *Import vehicle order*.

ISTA/P – How to import a vehicle order (VO)

P9

January 09

Integrated service
Technical application / programming

Session: FZ38042 Vehicle: E91 Terminal 15: 13.67V Terminal 30: 13.67V

Session Programming Vehicle Data management

Conversions

Vehicle order import

Import v
 Overall

Vehicle order for vehicle identification number WBAVT735X8FZ38042 to be written from data management to the connected vehicle?

OK Termination

Updating measures plan
Estimated run duration: 00:00:00

Display complete Determine measures plan

1 2 3 4 5 6 7

ISTA/P – How to import a vehicle order (VO)

P10

January 09

Integrated service
Technical application / programming

Session: FZ38042 Vehicle: E91 Terminal 15: 13.77V Terminal 30: 13.77V

Session Programming Vehicle Data management

Conversions

Input IBAC activation code

Import v
 Overall

IBAC service: Import vehicle order
IBAC action: Activate
Folder code: 0045
IBAC activation code

3R4SMT4NRI65QBI

OK

Updating measures plan
Estimated run duration: 00:00:00

Display complete Determine measures plan

1 2 3 4 5 6 7 8

ISTA/P – How to import a vehicle order (VO)

P11

January 09

Integrated service
Technical application / programming

Session: FZ38042 Vehicle: E91 Terminal 15: 13.67V Terminal 30: 13.67V

Session Programming Vehicle Data management

Conversions

Confirmation IBAC activation code

Import v
 Overall

Is the input: '3R4SMT4NRI65QBI' correct?

If so, confirm input with 'OK'; otherwise the input can be repeated after selection of 'Back'.

OK Back

Confirm that the IBAC code is correct with OK, or go Back to reenter the code.

Updating measures plan
Estimated run duration: 00:00:00 Display complete Determine measures plan

1 2 3 4 5 6 7 8 9

ISTA/P – How to import a vehicle order (VO)

P12

January 09

Integrated service
Technical application / programming

Session: FZ38042 Vehicle: E91 Terminal 15: 13.75V Terminal 30: 13.75V

Session Programming Vehicle Data management

Conversions

Import vehicle order successful

Import v
 Overall

Vehicle order for vehicle identification number WBAVT735X8FZ38042 was successfully written from data management to the connected vehicle. The session will now be ended.

OK

Click on OK. The imported VO is now written to the vehicle.

Updating measures plan
Estimated run duration: 00:00:00 Display complete Determine measures plan

1 2 3 4 5 6 7 8 9 10