

Kraftfahrt-
Bundesamt



UN Task Force on Cyber Security and OTA issues

Type-approval



Type-approval

Safety aspects of software updates

Safety aspects before the update

- Vehicle shall be not in a public place
- The vehicle shall be stand still and parking breaks are working
- No person shall be inside of the vehicle
- The engine is off and the battery have enough capacity for the update , as well as for a possible rollback and enough capacity for the operation of the vehicle after the update

Type-approval

Safety aspects of software updates

Safety aspects before the update

- Doors, trunk, windows, roof etc. shall be closed and locked
- The vehicle owner and the last driver before the update shall be informed in detail about the update (changes, attended time for the update, safety informations etc.)
- The vehicle owner and the last driver shall confirm the update

Type-approval

Safety aspects of software updates

Safety aspects during the update

- All relevant vehicle systems are working proper e.g. prevent unauthorized use, alarm systems, immobilizer, brakes and lights
- It shall not be possible to open the vehicle or to use any functionality of the vehicle

Type-approval

Safety aspects of software updates

Safety aspects after the update

- The vehicle owner and the first driver after the update shall be informed in detailed about the update (success, changes, safety informations etc.)
- A rollback to the old software version shall be possible and shall be done automatically in the case of no success

Thanks for your attention!

Legal notice

Publisher:
Krafftahrt-Bundesamt
24932 Flensburg

Internet: www.kba.de

Special information and advice:

Phone: 0461 316-0
Fax: 0461 316-1650
E-mail: kba@kba.de

Issued in May 2011

Version: May 2012

Printing: Druckzentrum KBA

Picture Source: xxx

All rights reserved. Reproduction and dissemination of this publication, including in parts or in digital form, is permitted provided the Krafftahrt-Bundesamt is acknowledged as its source. This includes the dissemination of contents of this publication that have been obtained indirectly.

© Krafftahrt-Bundesamt, Flensburg

Questions?