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Remote Download Device (DLD[®]) – fast, comfortable, cost-saving

Wireless transfer by WLAN/GPRS

VDO

What is DLD[®] and what advantages can wireless data transfer give me?

Remote Download Device (DLD[®]) is the comfortable solution for securely downloading mass memory and driver card data by wireless and transmitting the encrypted data to the office computer via WLAN or GPRS.

The download process is controlled from the office computer, so the company card can remain in the office – at no time does it have to be inserted into digital tachographs. Driver and vehicle data can be securely downloaded in compliance with the legal deadlines for downloading and transferred directly to the data archive.



Advantages of data transfer by wireless

- Data download is carried out **automatically** in accordance with defined intervals. This ensures that legal archiving deadlines are adhered to, avoiding any penalties.*
- The downloading of driver card and mass memory data is carried out **without** the necessity for having the **company card** at hand in the vehicle. The company card stays in the office. Authentication takes place by wireless.
- Encrypted data transfer by wireless offers more **security** for drivers who do not regularly return to the fleet office and until now had to send data storage media by post.
- With the DLD[®] **you save time** on data downloading – the data is transferred directly from the DTCO[®] to the office computer or to a download archive (e.g. TIS-Web[®]).
- DLD[®] download files are **compatible** with TIS-Web[®], TIS-Office[®] and many other “third party” DTCO[®] archiving solutions.
- With Remote Download the fleet manager has the entire process under **centralised** control.

The DLD[®] is available in two different versions:

- DLD[®] Short Range – for data transfer via WLAN on the fleet site
- DLD[®] Wide Range – for transferring data Europe-wide via GPRS

Depending on your company-specific requirements, VDO offers you various integrated and customised data management solutions under the TIS banner (Tachograph Information System). Ask your VDO service partner for more product information about individual solutions – or visit our website at www.vdo.com/dtco.

* The legally prescribed download intervals must be entered.



DLD[®] Short Range

If the vehicle is located in a defined area of the fleet site, e.g. the company petrol station, the DLD[®] Short Range transmits data to the office computer via a local wireless network (WLAN). A Reminder List in Remote TCO Manager (configuration software supplied with the DLD[®]) defines when a download should take place.

No fee is payable for data transfer, because data transfer takes place via the company network.

i This is how data transfer works via DLD[®] Short Range:

Authentication

- 1 The DLD[®] is used to establish a connection between the DTCO[®] and the Remote TCO Manager (RTM) on the office computer.
- 2 Authentication takes place between the company card and the DTCO[®].

Downloading data

- 3 Reliable data downloading from the DTCO[®] to the DLD[®] (driver cards and/or mass memory data), where the data is collected and encrypted.

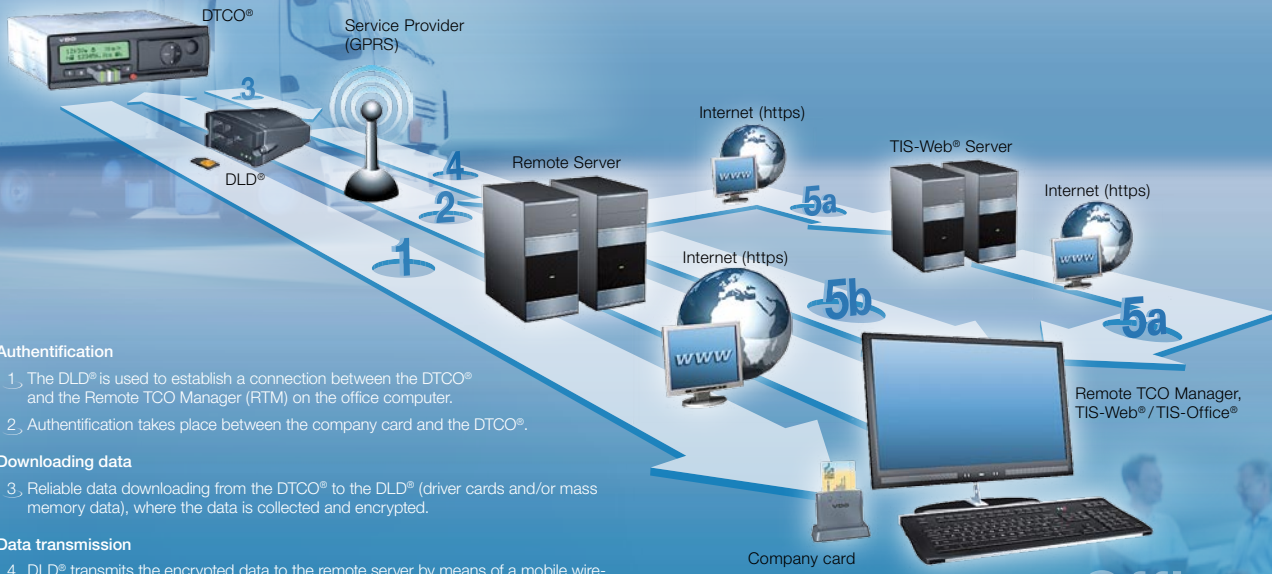
Data transmission

- 4 DLD[®] transmits the encrypted data to the office computer by means of WLAN.
- 5 Data for TIS-Web[®] customers is transmitted directly to the TIS-Web[®] server via a secure Internet connection (https) – and is thus available for further processing right away.



DLD[®] Short Range

Vehicle



Authentication

1. The DLD[®] is used to establish a connection between the DTCO[®] and the Remote TCO Manager (RTM) on the office computer.
2. Authentication takes place between the company card and the DTCO[®].

Downloading data

3. Reliable data downloading from the DTCO[®] to the DLD[®] (driver cards and/or mass memory data), where the data is collected and encrypted.

Data transmission

4. DLD[®] transmits the encrypted data to the remote server by means of a mobile wireless network (service provider, GPRS).
- 5a. Data for TIS-Web[®] customers is transmitted from the remote server directly to the TIS-Web[®] server via a secure Internet connection (https) – and is thus available right away for further processing.
- 5b. In the case of office applications, e.g. TIS-Office[®], the data is transmitted from the remote server directly to the office computer via a secure Internet connection (https).

Office

DLD[®] Wide Range

When you use the DLD[®] Wide Range, data is transferred to a VDO download server via a mobile wireless network (GPRS) – your Internet access to this server is protected. Driver card and mass memory data can thus be directly downloaded and transmitted to the data archive – at any time and Europe-wide, e.g. from a motorway lay-by.

A Reminder List defines when a download should take place. It is automatically updated every time a connection is established between DLD[®] Wide Range and the office computer.

i This is how data transfer works via DLD[®] Wide Range:

Authentication

1. The DLD[®] is used to establish a connection between the DTCO[®] and the Remote TCO Manager (RTM) on the office computer.
2. Authentication takes place between the company card and the DTCO[®].

Downloading data

3. Reliable data downloading from the DTCO[®] to the DLD[®] (driver cards and/or mass memory data), where the data is collected and encrypted.

Data transmission

4. DLD[®] transmits the encrypted data to the remote server via a mobile wireless network (service provider, GPRS).
- 5a. Data for TIS-Web[®] customers is transmitted directly from the remote server to the TIS-Web[®] server via a secure Internet connection (https) – and is thus available for further processing right away.
- 5b. In the case of office applications, e.g. TIS-Office[®], the data is transmitted from the remote server directly to the office computer via a secure Internet connection (https).



DLD[®] Wide Range

Requirements for the use of the DLD®

	DLD® Short Range	DLD® Wide Range
An office computer with a WLAN network connection	•	
An office computer with a permanent Internet connection		•
A USB card reader on the office computer	•	•
A WLAN access point on the fleet site, with a connection to the office computer, access point range: up to approx. 300 m	•	
A service provider and SIM card with GPRS support (inserted and activated in the DLD®)		•
Remote TCO Manager (configuration software supplied with the DLD® package)	•	•
VDO contract allowing usage of the remote download server		•
DTCO® 1381 Rel. 1.3 with activated front interface for wireless transmission	•	•
Power supply for the DLD®, e.g. a vehicle cigarette lighter	•	•

Additional offers from VDO

In order to help you prepare efficiently for working with digital tachographs, VDO, together with various partners, has developed target group-specific training concepts.

These training courses provide you with all the support you will need during your learning process with digital tachographs, the various additional components and the data management software. The courses also explain everything you need to know about the relevant EU regulations and their effects on each target group.

For further information about VDO training, please visit: <http://dtco.vdo.com/training>

Visit www.dtco.vdo.com/downloads for concise digital tachograph guidelines and product information about other VDO solutions.

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The logo consists of the letters 'VDO' in a bold, blue, sans-serif font. The 'V' and 'D' are connected at the top, and the 'O' is a simple circle.