Fleetboard Portal service description

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1 General Information

1.1 Introduction

Dear Customer, This document contains the essential functions and services of the Fleetboard product from Daimler Truck AG. This is for your information and does not claim to be complete, as the services are subject to continuous further development. The displays on the vehicle dashboard must always be observed and take precedence over all displays within the framework of Fleetboard, in particular in the new Fleetboard Portal.

1.2 Fleetboard services

The Fleetboard services offered by Daimler Truck AG are a combination of one (or more) hardware components in the vehicle (which can collect vehicle, trip and position data and transmit or receive data via mobile networks) and services that make this data available via https://my.fleetboard.com. The vehicle electronics of the truck are accessed via the CAN bus in the vehicle and vehicle, driving and order data are then transmitted to the servers via mobile communication. From there, all important fleet information is made available via the Internet with password protection. The customer logs in to their booked product group with their personal access data and has access to the collected data.

The Fleetboard services portfolio is designed for vehicles with conventional diesel drive or 100% battery-electric drive.

After installing the hardware, individual services can be selected and booked from a wide range of services depending on the needs of the transport company. A description of the individual services can be found in the Special Part (Chapter 2).

1.3 Fleetboard Portal and Fleetboard App

The Fleetboard Portal is a web-based application that can be accessed at https://my.fleetboard.com. Information and data are displayed in different ways. Larger amounts of data can be clearly and transparently displayed in a list view. For a more in-depth analysis, additional information about a data record can be displayed via detailed **views**. The **side panel** view is also available. This also displays current data from different services.

When capturing master data, the assignment of groups (e.g. asset group, driver group, geogroup, etc.) and the assignment of users to groups (e.g. drivers to a driver group) is essential. This means that either individual data records can be assigned to a group (e.g. assignment of a driver directly to a driver group) or several data records can be combined into a group (e.g. multiple selection of drivers and assignment to a driver group).

In addition, cross-service functionalities are available, such as

- Search functions for full-text search in list views
- Export function for displayed contents of a list view in a CSV file, Excel format or as PDF
- Date selection and selection of times and periods
- Date filter and period filter for restricting relevant data records in the list view
- Filter function via different parameters in the list view

The Fleetboard app belonging to the Fleetboard Portal is a mobile application that is made available free of charge for mobile iOS and Android end devices and makes it possible to access the most important information from the Fleetboard Portal at any time and anywhere.

Every user of the Fleetboard Portal can use the Fleetboard app according to their respective role and rights. Drivers who are granted access to the app can only view data linked to their profile.

In the further development process, the services are regularly updated to meet your requirements. In addition, the Fleetboard app offers an overview of the vehicles and drivers assigned to your fleet or tenant. You can view vehicle and driver information and check vehicle statuses. The Fleetboard app is your ideal companion for effective and sustainable fleet management.

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1.4 Fleetboard API

In addition to the Fleetboard Portal, Daimler Truck AG offers an interface (API)with which Fleetboard data from the booked services can be automatically transferred to its own applications or so-called third-party systems (external system). The APIis based on the SOAPprotocol and includes a large part of the services and master data. The APIis divided into various SOAP services based on the Fleetboard services.

To use the Fleetboard API, a SOAP API user must be created in the administration in the Fleetboard Portal and the corresponding access data must be stored in the respective application.

The technical documentation for the Fleetboard APIis available at https://webservices.fleetboard.com. There you will find the currently available data points for the different supported drive types (diesel drive, battery-electric drive).

1.4.1 API for authentication & master data

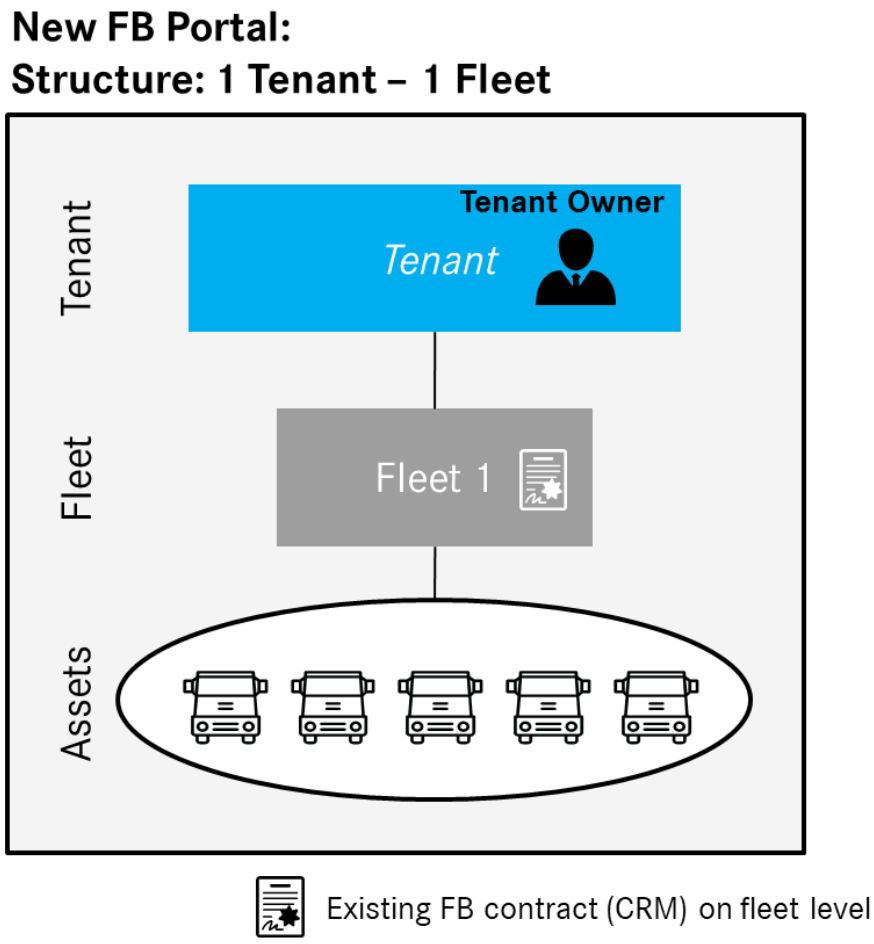
The SOAP service " BasicService " provides the following methods for authentication and retrieval of master data:
login, logout, getVehicle, getVehicleGroup, getDriver, getDriverGroup, getFleet, getServerProperties, getUser, getCurrentUser

The SOAP service " UpdateService " is also available with the methods registerUpdate, getUpdate, confirmUpdate and unregisterUpdate.

1.5 Registration and rights & roles

1.5.1 Tenant and fleet logic

In the new Fleetboard Portal there is a new logical level, the so-called "tenant" ("German: client") is available. Vehicles from different fleets can be assigned to a tenant. Additional information is recorded for the tenant, such as a tenant designation, an address and the tenant owner. This information is only displayed in the Fleetboard Portal and has no effect on other systems or processes, such as the contract or billing. The complete administration, user rights and role management are carried out in the tenant by the tenant owner.



Initial registration and invitation management

Each user of the Fleetboard Portal and the Fleetboard App needs their own e-mail address for registration.

The tenant owner initially receives an invitation to his tenant from his contract partner by e-mail. By accepting the invitation, they have the option of registering once in the portal and receive all rights within the tenant. They are responsible for the further assignment of rights and roles to all users within their tenant.

After logging in for the first time, the tenant owner can create their user profile.

Initially, no fleet(s) or vehicles have yet been assigned to the tenant. After the first login, the tenant owner can assign one or more fleets with all vehicles to the tenant. After assignment, this/these fleet(s) can be administered and managed. If necessary, they can create new roles with individual rights or use role templates.

In order for other users to have access to the data within the new Fleetboard Portal, they must be invited by the tenant owner. For this purpose, the Tenant Owner enters the email address of the user to be invited within the administration in the Fleetboard Portal in addition to the name, language and role. The invitation is then sent to the new user by e-mail. The invitation indicates for how long the user has been granted the rights to access the tenant data. Via a link in the invitation, the user must also first register once, log in to the Fleetboard Portal and can maintain their user profile there. They can then use the Fleetboard Portal within the scope of their assigned role and the associated rights.

1.5.2 Rights & Roles

Tenant Owner:

He/she is responsible for the further assignment of rights within his/her tenant and the assigned fleet(s) and has access to all available functionalities and full administration. This role cannot be edited or deleted. All other roles are role templates. They can be copied, newly created, edited and deleted.

Other roles:

All roles and the assigned rights, except the Tenant Owner role, can be freely defined by the Tenant Owner. Helpful templates are available to simplify administration. These templates have fixed rights and cannot be edited. However, templates can be copied and edited as copies.

User profile administration: Country and other settings

In Administration, further parameters can be administered in the user profile, such as country and units. The values then apply as default values for the user for all tenants and the assigned fleet data to which the user is authorised. Each user can customise their user management. If no settings are made in the user profile, the settings in the respective tenant apply.

1.6 Notification centre

1.6.1 Description of the appliance:

There is a Notification Centrein the portal. The trigger for a notification can come from an asset or from the system itself. The Notification Centre distinguishes between different types of messages and communication channels. Messages contain a short description based on standardised message texts and a time. Each user can configure the messages individually for the fleets in which they are active and can switch them on and off in general. The following communication channels are available:

- Portal: Incoming messages are displayed in the notification centre of the portal. There is a link to the individual services and the data record that triggered the message.
- E-mail: send the message to a recipient or to a distribution list.

1.7 Dashboard & Widgets

1.7.1 Description of the appliance:

The dashboard gives the user quick access to relevant data in a compact overview. The displayed widgets can be selected by the user for an individual dashboard.

The widgets can contain predefined quick links that allow you to jump to the respective services and functions of the individual services.

Widgets can be removed by the user themselves. In addition, the dashboard can be reset, added or moved.

1.8 Hardware & Software

1.8.1 Vehicle equipment

The following vehicles with a supported vehicle computer (see Vehicle equipment) are approved for the Fleetboard Portal:

Trucks of Daimler Truck AG:

- Mercedes-Benz eActros 600 from year of manufacture 12/2024

- Mercedes-Benz eEconic from year of manufacture 10/2022
- Mercedes-Benz eActros 300/400 from year of manufacture 10/2021
- Mercedes-Benz Actros 5 from year of manufacture 04/2019
- Mercedes-Benz Arocs 5 from year of manufacture 04/2019
- Mercedes-Benz Econic from year of manufacture 12/2013
- Mercedes-Benz Atego 2 from year of manufacture 11/2012
- Mercedes-Benz New Antos 4 from year of manufacture 08/2012
- Mercedes-Benz New Arocs 4 from year of manufacture 10/2011
- Mercedes-Benz New Actros 4 from year of manufacture 10/2011
- Mercedes-Benz Actros 3 (BM 930-934) from year of manufacture 2008

Trucks from Mercedes-Benz do Brazil (subsidiary of Daimler Truck AG):

- Mercedes-Benz Atego Euro VI (9BM968) from year of manufacture 07/2024
- Mercedes-Benz Atego Euro VI (9BM9515) from year of manufacture 01/2023
- Mercedes-Benz Accelo Euro VI (9BM9511) from year of manufacture 01/2023
- Mercedes-Benz Arocs (9BM964) from year of manufacture 11/2020
- Mercedes-Benz New Actros (9BM963) from year of manufacture 10/2019

Prerequisite for using the Fleetboard Portal: Updating the Fleetboard vehicle computer to the latest software release

Trucks from other manufacturers:
Trucks with diesel drive and FMS interface up to version 3.0 (limited functional scope for vehicles with FMS database)
Note: Trucks from other manufacturers with 100% battery-electric drive are currently not supported (for exceptions, see Charge Management)

1.8.2 Vehicle equipment

The following vehicle computers are approved for the Fleetboard Portal:

- Truck Data Centre 8
- Truck Data Centre 8, basic
- Truck Data Center 7
- Truck Data Center 7 (FB Card)
- Truck Data Center 6 (FB Card)
- Truck Data Center 6

An overview of the life cycles of the older hardware components can be found at https://www.fleetboard.de/kontakt/faqs/#/ in the Life Cycle area.
Some of the Fleetboard individual services have additional hardware requirements (see Special Part, Chapter 2).

Note: Trucks from other manufacturers with rFMS are currently not supported.

1.8.3 General system requirements
1.8.4 to use the Fleetboard Portal:

- Processor with at least 3 GHz clock frequency
- At least 8 GB main memory (RAM)
- Supported operating systems: Windows 10 or above and macOS Catalina 10.15 or later
- Recommended minimum screen resolution: 1440x900
- Supported browsers: Chrome, Microsoft Edge and Firefox in the latest version
- Recommended Internet bandwidth: 20 Mbit/s or higher

- Use of the application on a terminal server is not recommended
- Use on mobile devices is currently not supported.

1.8.5 to use the Fleetboard app:

The technical prerequisite for using the Fleetboard app is Android 9 or iOS 12 on the mobile device.

1.9 Fleet assignment and vehicle activation

1.9.1 Activating and deactivating vehicles

The services booked for the fleet are activated in each vehicle of the fleet, provided that the technical requirements are met in the vehicle.

Once a vehicle is activated, the monthly service fees for the activated services will apply. For activation, the customer must submit the required mandatory information in an online form (e.g. FIN, contact data). Upon successful activation/deactivation or in the event of queries, we will contact the specified contact person by telephone/e-mail.

1.9.2 Visualisation of CharterWay rental vehicles

As soon as a Fleetboard customer has rented a rental vehicle from CharterWay and wants to use the rental vehicle with his booked Fleetboard services, he can commission CharterWay to activate the CharterWay vehicle in his fleet at the start of the rental and when the vehicle is handed over. These vehicles are then displayed in the respective views (List View, Side Panel and Detail View) of the portal with the CharterWay logo. At the end of the rental and vehicle return, the vehicle is deactivated again in the FB customer fleet. During the activation of the CharterWay vehicle in the customer fleet, service fees are incurred as for own vehicles.

1.9.3 Assigning and removing vehicles from a fleet

To assign a vehicle to a fleet or remove it from a fleet, the vehicle must be activated/deactivated in the fleet. As soon as the vehicle has been activated, it is visible in the fleet and sends data. As soon as the vehicle has been deactivated, it will no longer send any data. The customer can set whether the deactivated vehicle is still visible in the fleet or is hidden. A vehicle can only be active in a fleet. A change/addition to another fleet can be initiated via Support.

2 Particular

2.1 Migration conditions

The following SOAP services of the Fleetboard API will no longer be available in future:

- VehicleRequestService
- CustomerAdminService

More detailed information can be found in the currently valid migration conditions.

2.1.1 Planned further development in the new Fleetboard Portal

The following services and functions will be available in the new Fleetboard Portal at a later date

General functions:

- Display and management of several fleets in one tenant (partner fleet)

2.1.2 Planned further development of the Fleetboard app

The following services, functions for the fleet manager/dispatcher, etc. will be available in the new Fleetboard app at a later date:

- Fleetboard Charge Management

The driver will receive access to the new Fleetboard app at a later date. .

2.2 FleetBoard deployment analysis

2.2.1 Description of the appliance:

Portal

The deployment analysis service is located in the " Analytics " areaof the Fleetboard Portal and offers the user an evaluation of the vehicle and the driver (assessment items). The evaluation is based on vehicle data collected via the on-board computer in the vehicle (only for diesel vehicles).

The deployment analysis provides the user with the following information, for example: Name of driver, evaluation period, start and end of the evaluated trip, driving style, Difficulty (derived from the average gradient, the average weight of the vehicle and the number of stops), total distance, average speed, average total fuel consumption, average consumption, CO_2 emissions (calculation based on normal diesel fuel), vehicle identification number and driver number.

All information can be viewed by the user through a predefined period or trip analysis. The driver's driving style is analysed and evaluated on a scale of 1 to 10 (grades). A score of 1.0-3.9 means "poor result", a score of 4.0-7.9 means "average result" and a score of 8.0-10.0 means "good result". The evaluation is based on an analysis of the driving style in terms of consumption (average and total fuel consumption, average and total driving consumption, idle fuel consumption, average and total CO_2emissions) and the use of brakes, e.g. anticipatory driving style, pedal movement, speed, stops and deceleration. The analysis also includes the following features: Total distance, number of stops, number of kickdowns, braking distance, Movement and stop time, coasting distance, rolling distance, EcoRoll activated distance, Standard mode, distance and travel distance. The data is transmitted from the vehicle to the server (e.g. if the EU driver card or FB driver card is removed or, if none of these cards are used, daily at 00:00). For battery-electric vehicles, trips are currently only recognised via the EU driver card.

Driving downtime ratings and deployment severity for battery-electric vehicles are not yet available, but will be provided at a later date.

App

In the Fleetboard app, the deployment analysis service can be called up via the profile of the respective driver. First, the analysis of the last trip driven is displayed. In the further development of the app, it will be possible to access analyses for the last days, weeks and/or months. The Fleetboard appis also available to the driver.

API

The Fleetboard deployment analysis provides a SOAP API, which is called up via the SOAP service " PerformanceAnalysisService". Various SOAP methods are available within this service.

2.2.2 Service-specific hardware requirements:

Driver identification with the EU or Fleetboard driver card:

The driver can be uniquely identified using either the EU driver card or the FB driver card. In both cases, the card ID must be assigned to the driver name in Administration. When changing vehicles, the driver takes the driver card with them into the new vehicle and has to identify himself/herself there again with the card. If no digital tachograph is used in the vehicles, an FB driver card can be used for each driver. This can be purchased from MB authorised workshops. The driver cards are numbered. They thus offer the option of uniquely identifying each driver and making optimal use of the Fleetboard services. To ensure unique identification, an FB driver card can only be assigned to a single driver. After the existing assignment to the driver has been removed, the card can also be reassigned to another driver. Identification takes place by inserting the FB driver card into the vehicle computer. The FB driver card is used exclusively for the identification of the driver and for the driver-specific evaluation of trip data. It does not represent a driver card in the sense of a digital tachograph.

Service-specific vehicle equipment

- Mercedes-Benz Trucks: None
- Trucks from other manufacturers: FMS interface up to version 3.0 (limited functional scope for vehicles with FMS database)

2.3 Fleetboard reports

2.3.1 Description of the appliance:

Portal

The Fleetboard Reports service is located in the "Reports" area of the Fleetboard Portal and offers the user a variety of KPIs from the Fleetboard deployment analysis service. There are 4 different reports that can be downloaded;

- Driver report (e.g. driver-related information, comparison of all grades with the fleet average)
- Vehicle report (e.g. vehicle-related information, comparison of all grades with the fleet average)
- Fleet report (e.g. fleet overview for driver and vehicle, potential for improvement of the entire fleet)
- Executive report (e.g. fleet KPI overview, business key figure in t/mm)

(Driving standstill ratings and deployment severity for battery-electric vehicles are not yet available, but will be provided at a later date.)

2.4 Fleetboard trip recording

2.4.1 Description of the appliance:

Portal

The Trip recording service is located in the " Logbook " area of the Fleetboard Portal and provides information on driving and downtimes. Among other things, the service provides the following data: Position, time and duration of a journey or downtime. The driving and idle times are displayed to the user in a logbook (tabular form) and a trip diagram. In combination with the FB Mapping service, the driving and downtimes can also be displayed graphically on a map.

For battery-electric vehicles of Daimler Truck AG, the charging activity is also recorded with basic information such as the start and end state of charge.

The interval atwhich the vehicles send position data to the portal depends on which services have been booked and which vehicle computer the vehicles are equipped with. From the Truck Data Centre 6 and 7 - LTE of the 2nd generation, you can enjoy the faster tracking interval. Detailed information can be found under Information on the data transmission intervals of the vehicles and their requirements.

Vehicle logbook:
The Logbook area provides information on individual trips and downtimes of a vehicle or driver. Within the logbook, the user can view individual time periods and obtain more detailed information, such as Vehicle name, driver's name, start and end of trip. Extensive search and filter functions are available to narrow down a table to relevant information. To view and structure the information, you can filter for individual vehicles or vehicle groups.

Journey diagram:
In addition to the logbook in tabular form, the user has the option of displaying a diagram view. A specific vehicle or vehicle group is selected for the display and a period of time is set, e.g. the current day, the previous day or an individual period. Extensive search and filter functions are available to narrow down the diagram to relevant information. Diagrams with different information are displayed for the selected area and can also be displayed on the map. The detailed view of the trip diagram contains extensive graphs for individual data points, such as kilometer reading, fuel/battery level (depending on the drive type). The updating of the individual data points in the detailed view of the trip diagram also depends on which services are booked and which vehicle computer the vehicles are equipped with. From the Truck Data Centre 6 and 7 - LTE of the 2nd generation, you can enjoy faster data transfer of 3 minutes. If you have an older vehicle computer than the Truck Data Centre 6 and 7 - LTE of the 2nd generation installed in your vehicle, such as a Fleetboard vehicle computer, a data point is sent to the portal every 10 minutes with the Track & Trace service. With standard positioning, i.e. without Track & Trace, data points are recorded every 30 minutes. The availability of the individual data points depends, among other things, on the drive type. Requirement: the ignition is switched on and the vehicle is connected.

App

The trip recording service is currently not available in the FB app.

API

Fleetboard trip recording provides a SOAP API, which is called up via the SOAP service " TripRecordService ". Various SOAP methods are available within this service.

2.4.2 Service-specific hardware requirements:

Service-specific vehicle equipment

- **Mercedes-Benz Trucks** (full range of functions)
- Trucks from other manufacturers (limited range of functions)
    - **For the new tracking interval of 3 min or 30 seconds tracking (if available in the country): Truck Data Centre 6 and 7 - 2nd generation LTE or newer**
- **Trucks from other manufacturers:**
    - **FMS interface up to version 3.0** (limited functional scope for vehicles with FMS database)

2.5 Fleetboard Mapping and Track & Trace:

2.5.1 Description of the appliance:

Portal

The Mapping service is located in the " Map " area of the Fleetboard Portal. Here, data for locating vehicle fleets from the various Fleetboard services is displayed to the user, typically dispatchers or fleet managers, on a digital,

geographical map. This includes, in particular, location-related information about the status and location of vehicles and drivers. At the same time, map-relevant information such as traffic information, POIs (Point of Interest), Mercedes-Benz Trucks service workshops or customer-specific locations and self-created areas can be used for a wide range of purposes in the Map application. In addition to customer-, vehicle- and fleet-relevant information, general map information such as traffic disruptions is displayed in the map depending on the user's selection. Various filter options are available for handling the map in addition to the usual zoom and move function.

With the Track & Trace service, you benefit from more frequent recording and transmission of position data (prerequisite: mapping and trip recording).

The Mapping (and Track & Trace) service can therefore be used to track the vehicles with all associated position data in the Map application. In addition, the user has the option of displaying the associated activities in the Map application via quick selection in combination with other booked services. The desired activities can be selected using the available filters (depending on other booked Fleetboard services such as trip recording).

Additional functions of the Map application

In the Map application, addresses and routes can be calculated by entering the start and destination address. Routes can be called up with distance information and route instructions and displayed on the map. In addition, further information on the route, such as commercial vehicle restrictions or toll costs, can be calculated, enabling the user to select the optimal route. For the purpose of fully individual route planning, the Map application offers further functions for displaying the range. In addition to the usual range display in km, time data can also be included. The Vehicles *in the vicinity* function searches for vehicles on routes in the vicinity based on the selected destination point on the map or the selected destination address. In combination with Fleetboard Charge, the user can check the range of their (electric) vehicles from a vehicle in order, for example, to be able to select the ideal vehicle for a specific destination.

In addition to usual POIs (Point of Interest) such as the nearest larger city or the nearest Mercedes-Benz Trucks workshop, users have the option of creating POIs themselves as addresses for a fleet in order to use them on the map and, for example, to compare the distance of different vehicles to a specific POI. In addition, individual areas can be defined that the user wants to observe. For example, if desired, a message can be generated as soon as a vehicle crosses an area boundary. A distinction is made between entering and exiting the vehicle.

App

In the Fleetboard app, the Mapping service can be called up via the profile of the respective user. In particular, the user is shown location-related information about the status and location of vehicles and drivers on a digital, geographical map. In addition, Mercedes-Benz Trucks service workshops can be shown and hidden on the map.

API

Fleetboard Mapping and Track & Trace provides a SOAP API, which is called up via the " PosService " SOAP service. Various SOAP methods are available within this service.

2.5.2 Information on the data transmission intervals of the vehicles and their requirements

The interval atwhich the vehicles send position data to the portal depends on which services have been booked and which vehicle computer the vehicles are equipped with. From the Truck Data Centre 6 and 7 - LTE of the 2nd generation, you can enjoy the faster tracking interval. You will receive the new standard position transmission of only 3 minutes (previously 30 minutes) and a 30-second position transmission when booking the Track & Trace service (previously 3 minutes) at no additional cost. If you have an older vehicle computer than the Truck Data Centre 6 and 7 - LTE of the 2nd generation installed in your vehicle, e.g. a Fleetboard vehicle computer, the Track & Trace service records a vehicle position every 30 seconds. After 10 minutes, a package with 20 positions is then sent to the portal. With standard positioning, i.e. without Track & Trace, vehicle positions are recorded every 3 minutes, after 30 minutes a package with 10 positions is then sent to the portal.

Note: Deviating tracking intervals may occur in exceptional cases due to a market-specific offer in individual countries.

For battery-electric vehicles of Daimler Truck AG that are equipped with a Truck Data Centre 6 and 7 - LTE of the 2nd generation (or newer), we can offer a position transmission interval of less than 30 seconds with the help of a new technology (data streaming) (depending on the booked services). The exact number of positions depends on the speed of the vehicle. The other telematics data (e.g. speed) are updated independently of the position, but also at intervals of a maximum of 30 seconds. As soon as a change is made, the individual data points are updated and not transferred together with a position as before. The last update can be identified by the time stamps. Prerequisite for data streaming: the ignition is switched on and the vehicle is connected.

2.5.3 Service-specific hardware requirements:

Service-specific vehicle equipment

- **Mercedes-Benz Trucks** (full range of functions
- Trucks from other manufacturers (limited range of functions)
    - **For the new locating interval of 3 min or 30 seconds locating (if available in the country): Truck Data Centre 6 and 7 - 2nd generation LTE or newer**
- **Trucks from other manufacturers:**
    - **FMS interface up to version 3.0** (limited functional scope for vehicles with FMS database)

2.5.4 General services specific requirements

GPS signal via adequate satellite reception guaranteed (at least 3 satellites)

2.6 Fleetboard time recording

2.6.1 Description of the appliance:

Portal

The activity groups (work, driving, standby, break, co-driver activity) of the digital tachograph are recorded and transmitted to the servers via the vehicle computers installed in the vehicle. In order to use the service correctly, the driver must agree to the transmission of the ITS (Intelligent Transport System) data on the digital tachograph.

A time stamp is transmitted for the start of each activity recorded by the tachograph. The IDs of the personal driver cards and the position at the start of the activity are also transmitted. Based on the time stamps, the duration of the recorded activities is calculated and a forecast for the remaining daily driving time is output. If the permitted daily driving time is exceeded, this is indicated in the portal. The daily and weekly rest periods are also calculated and their duration monitored. If the duration does not correspond to the minimum requirement, this is marked accordingly in the portal. The driving time in the double week is also calculated and marked if the maximum duration of 90 hours is exceeded.

In addition to displaying driving and rest times, Fleetboard offers the option of calculating totals for driving time, working time, standby time and rest time as well as the sum of driving time and working time based on the tachograph data recorded. These totals can be output for selected calendar weeks or months. This data can be exported and used, for example, for payroll and expense reporting.

If the driver card download service is booked, the time recording data is compared with the data on the driver card and corrected in the event of deviations.

App

In the Fleetboard app, the time recording service can be called up via the profile of the respective driver.

API

Fleetboard time recording provides a SOAP API, which is called up via the SOAP service " DrivingTimesAndRestPeriodsService ". Various SOAP methods are available within this service.

2.6.2 Service-specific hardware requirements:

EU driver's card:
If digital tachographs are used in vehicles, the driver receives a driver card for the digital tachograph (EUdriver card). The driver is obliged to insert this into the digital tachograph at the start of work. The vehicle then sends the number of the driver card to Daimler Truck AG. This allows the driver to be clearly identified. When the EUdriver card is inserted into a vehicle for the first time, the driver is asked to consent to the transmission of ITS data. If the driver denies the transmission, no driver identification can take place.

Service-specific vehicle equipment

- Digital tachograph:
  To use the above service, a digital tachograph must be installed in the vehicle. The following EU smart tachographs are compatible:
  - Continental DTCO 4.0
  - Continental DTCO 4.1
  - Stoneridge SE5000-8

2.7 Fleetboard driver card download

2.7.1 Description of the appliance:

Portal

The mass storage download allows the driver card to be read out remotely. All legal documentation and archiving obligations are fulfilled as the driver card data is stored for a maximum of 36 months after completion of the download in accordance with the legal requirements. For the driver card download to work, one or more company cards must be sent to our partner DAKO GmbH. The company card is stored and provided on a specially developed server. FleetBoard recommends one company card per 50 vehicles.

All pending and overdue downloads are automatically monitored and executed. The download interval can be between 1 and 28 days. This ensures that the entrepreneur performs the legally required driver card download every 28 days at the latest. The data can be downloaded by the customer to their own computer.

API

Fleetboard time recording provides a SOAP API, which is called up via the SOAP service " DownloadService ". Various SOAP methods are available within this service.

2.7.2 Service-specific hardware requirements:

EU driver's card:

If digital tachographs are used in vehicles, the driver receives a driver card for the digital tachograph (EUdriver card). The driver is obliged to insert this into the digital tachograph at the start of work. The vehicle then sends the driver card number to Daimler Truck AG. This allows the driver to be uniquely identified. When the EU driver card is inserted into a vehicle for the first time, the driver is asked to consent to the transmission of ITS data. If the driver denies the transmission, no driver identification can take place.

Service-specific vehicle equipment

- Digital tachograph:
  To use the above service, a digital tachograph must be installed in the vehicle. The following EU smart tachographs are compatible:
  - Continental DTCO 4.0
  - Continental DTCO 4.1
  - Stoneridge SE5000-8

2.8 Fleetboard mass storage download

2.8.1 Description of the appliance:

Portal

The mass storage device download allows the mass storage device to be read out remotely. All legal documentation and archiving obligations are fulfilled as the mass storage data is stored for a maximum of 36 months after completion of the download in accordance with the legal requirements. In order for the mass storage download to work, one or more company cards must be sent to our partner DAKO GmbH. The company card is stored and provided on a specially developed server. FleetBoard recommends one company card per 50 vehicles.

All pending and overdue downloads are automatically monitored and executed. The download interval can be between 1 and 90 days. This ensures that the entrepreneur performs the legally required mass storage download every 90 days at the latest. The data can be downloaded by the customer to their own computer.

API

Fleetboard time recording provides a SOAP API, which is called up via the SOAP service " DownloadService ". Various SOAP methods are available within this service.

2.8.2 Service-specific hardware requirements:

EU driver's card:

If digital tachographs are used in vehicles, the driver receives a driver card for the digital tachograph (EU driver card). The driver is obliged to insert this into the digital tachograph at the start of work. The vehicle then sends the driver card number to Daimler Truck AG. This allows the driver to be uniquely identified. When the EU driver card is inserted into a vehicle for the first time, the driver is asked to consent to the transmission of ITS data. If the driver denies the transmission, no driver identification can take place.

Service-specific vehicle equipment

- Digital tachograph:
- To use the above service, a digital tachograph must be installed in the vehicle. The following EU smart tachographs are compatible:
    - Continental DTCO 4.0
    - Continental DTCO 4.1
    - Stoneridge SE5000-8

2.9 Fleetboard Services

2.9.1 Description of the appliance:

Portal

The FB Service service is located in the "Uptime" area of the Fleetboard Portal. Fleetboard Service is a digital tool that supports fleet owners with topics relating to vehicle maintenance. With the Fleetboard Service service, the user always has an overview of the condition of their fleet vehicles, from the upcoming maintenance to the maintenance carried out.

A glance at the Uptime section provides an immediate overview of the maintenance status of the fleet. Which vehicles in my fleet are due for maintenance soon or are even overdue? Upon closer examination of the individual fleet vehicle in the Fleetboard Portal, the user sees all pending maintenance types at a glance. The data comes directly from the vehicle's service interval calculator. This provides the user with digital support for efficiently planning the necessary maintenance appointments across the entire fleet. The following data is displayed to the user to support maintenance planning: Vehicle, kilometer reading, urgency and type of maintenance, days, operating hours and kilometres until or since the next maintenance due date as well as the calculated date of the maintenance work. If maintenance is not available for the vehicle and you, as the fleet owner, would still like to have it carried out, you can use manual maintenance planning to create any type of maintenance, define the desired maintenance interval and assign it to one or more vehicles in the fleet. Typical examples of manual maintenance are the TÜV inspection, cleaning of the cab or other technical checks of the vehicle condition. The user can optionally create brakes, tyre pressures, fluid levels and other wear data in the form of manual maintenance. If, for example, the oil level or tyre pressure deviates from the target value, this is displayed in the Fleetboard Portal. This allows the user to bundle all work in one maintenance appointment without having to ask the driver about the vehicle's condition. The service also provides detailed information on the vehicle's maintenance history. This means that it is always possible to check at what time and in what condition which maintenance was carried out. If necessary, additional information on the performed maintenance can also be entered manually. Within the historical maintenance overview, the export and print function is helpful for storing a kind of detailed chequebook in your own documents.

API

Fleetboard time recording provides a SOAP API, which is called up via the SOAP service " ServicesService ". Various SOAP methods are available within this service.

2.9.2 Service-specific hardware requirements:

Unsupported drive types

- 100% battery-electric drives

Service-specific vehicle equipment

- Mercedes-Benz Trucks: None
- Trucks from other manufacturers: FMS interface up to version 3.0 (limited functional scope for vehicles with FMS database)

2.10 Fleetboard Diagnosis Control

2.10.1 Description of the appliance:

Portal

The Fleetboard Diagnosis Control service (formerly Fleetboard Uptime) is located in the "Uptime" area of the Fleetboard Portal. It enables active faults, the fault memory and control units of the vehicle to be read out. This not only helps customers to monitor the vehicle condition, but also helps service outlets to optimally prepare workshop appointments with the help of the data provided.

2.10.2 Service-specific hardware requirements:

Unsupported drive types

- 100% battery-electric drives

Service-specific vehicle equipment

- Mercedes-Benz Trucks: None
- Trucks from other manufacturers: The service is not supported for trucks from other manufacturers

2.11 Fleetboard Charge Management

2.11.1 Product description

Portal

The functions of the Charge Management service are located in the Fleetboard Portal in the Charging and - if booked - Map areas. Fleetboard Charge Management enables the display, monitoring and documentation of charging processes as well as the planning and optimisation of charging and vehicle deployment on the basis of vehicle-side data from trucks with battery-electric drive from Mercedes-Benz.

The service also supports range-based route/operation planning by simulating the route and estimating the expected range, taking into account factors such as traffic, weather, topography and load. These functionalities require the booking of Fleetboard Mapping and are provided in the Fleetboard Portal in the Map area.

If used by the Customer, the Service also supports the preconditioning of Mercedes Benz eTrucks for a planned departure time by transmitting corresponding control commands to the vehicle. The Service provides key figures, graphics and evaluations of charging processes (e.g. charged energy quantities, charging curves) as well as a history of charging activities. In particular, vehicle-related data from Mercedes-Benz eTrucks is used for this purpose. If the Customer connects its own high-voltage charging stations, their usage data and statuses are also included and made available in the Service; control commands can also be transmitted to connected charging stations. The service can also provide notifications in the event of problems or anomalies during charging as well as alarms in the event of charging interruptions.

Vehicles connected to the charging station can be identified and charging permissions granted or denied; this can optionally be done via Autocharge by using vehicle-side identifiers for recognition and assignment. In this way, the user of the service can detect application errors, usage problems or misuse at an early stage and effectively

counteract them. The user can also interact with charging stations by sending commands, e.g. to remotely control charging processes or to shut down charging stations or put them back into an operational state. The functioning of the charging stations can also be influenced by user settings, e.g. to limit their power output to a certain value.

Charging station usage data is transmitted at regular time intervals and when certain events occur, such as the start or end of a charging process.

2.11.2 Service-specific hardware requirements

None.

Optionally available: If the Customer connects its own high-voltage charging stations to Fleetboard Charge Management (e.g. for displaying charging station statuses/usage data and for transmitting control commands to charging stations), these charging stations must be approved by Fleetboard.
A list of all approved manufacturers and models can be found at the following Internet address:
https://www.fleetboard.de/digital-solutions/fleetboard-portal/fleetboard-charge-management/
Charging stations from other providers can be used if necessary. A prerequisite for this is a prior technical assessment by Daimler Truck AG.

Supported vehicles/data sources

The service is designed for use with battery-electric trucks (BEV). Vehicle-side data is only received and processed directly by Mercedes Benz eTrucks. For battery-electric trucks from other manufacturers, there is no direct vehicle data connection; In this case, charging information can only be provided via the connected high-voltage charging station (e.g. via OCPP) in the service, which may limit the scope of functions.

Service-specific vehicle equipment

- Mercedes-Benz Trucks: None
- Trucks from other manufacturers: None (limited functional scope)