Timed Data Flow service description

General information

Timed Data Flow is a chargeable service for dispatchers and fleet managers, who want to forward their driv-ers' activities, e.g. time at the wheel and rest periods, to a third-party system.

Overview of services

Once the fleet vehicles have been set up in the RIO administration area on the RIO platform and the Timed Data Flow service has been procured for the vehicles via the marketplace, the following Timed Data Flow services can be used for the various vehicle categories:

Service overview for vehicles with a RIO box

Functionality/data	MAN Truck	MAN Bus	MAN Van	Non-MAN Brand (RIO box in FMS mode)
Generation of the driver's activity: - Steering - Rest or break - Readiness - Working	X	X	X	X
Transmission of driver's activity once per minute	X	X	X	X
Generation of driver's times at wheel on a daily, weekly or bi-weekly basis	X	X	X	X
Storage of driver's activi-ties for 90 days and time at wheel for up to 14 days	X	X	X	X
Provision of data to third-party systems via interfac-es.	X	X	X	X

Service overview for vehicles with third-party hardware

Users can also connect third-party hardware to the RIO platform and then forward it via the RIO interface. For this purpose, the Mixed Fleet Bridge service must be booked for these vehicles. For more information, please refer to the T&Cs and service specification of the Mixed Fleet Bridge.

Functionality/data	Vehicles with third-party hardware
Storage of driver's activities for 90 days and time at wheel for up to 14 days	X
Provision of data to third-party systems via interfaces.	X

Technical requirements

To be able to use Timed Data Flow via the RIO box, vehicles must be equipped as follows:

	MAN Truck	MAN Bus	MAN Van	Non-MAN Brand (RIO box in FMS mode)
Use of a RIO box (provision of RIO box not covered by the service T&Cs)	X	X	X	X
Use of a digital tachograph from Continental VDO or Stoneridge (not provided by MAN) with company lock implemented by company card	X	X	X	X
Use of a driver card	X	X	X	X
The corresponding RIO interface must be integrated in the third-party system. This integration is carried out by the user or its partner. TBDS does not carry out the integration of the RIO interface in the third party system.	X	X	X	X

The service is compatible with Continental VDO tachographs from version DTCO 2.0 (although the display of residual times at wheel is only possible from tachograph version DTCO 2.1).

The service is compatible with Stoneridge tachographs from version SE5000 7.4 (although the display of residual times at wheel is only possible from tachograph version SE5000 7.6).

To use Timed Data Flow by means of third-party hardware, the following conditions must be met:

	Vehicles with third-party hardware
The user has booked the respective service of the third party provider and accepted its T&Cs.	X
The user has booked the Mixed Fleet Bridge.	X
The corresponding RIO interface must be integrated in the third-party system. This integration is carried out by the user or its partner. TBDS does not carry out the integration of the RIO interface in the third party system.	X

To be able to use Timed Data Flow, the work place must be equipped as follows:
- Use of an Internet-enabled computer with operating system Windows 7 or newer (not provided by RIO)
- Internet browser (we recommend using the latest version of the following browsers: Google Chrome, Mozilla Firefox, Microsoft Internet Explorer, Microsoft Edge. We cannot guarantee unrestricted functionality if using other browsers).

Miscellaneous

To be able to use the entire scope of Timed Data Flow, we recommend using Continental VDO tachographs from version DTCO 2.1 and Stoneridge tachographs from version SE5000 7.6. Using older models could restrict the signal functionality.