

GLS ShipIT – Instructions for calibrating the scale module

Status: 01.11.2022

The login screen contains the software version of the custody transfer module and indicates whether the internal CRC check was successful. Furthermore, the test certificate number is displayed on all screens (in the lower left area). Detailed information on the recorded weights, their checksums and the electronic module certificate can be called up in the screens described below.

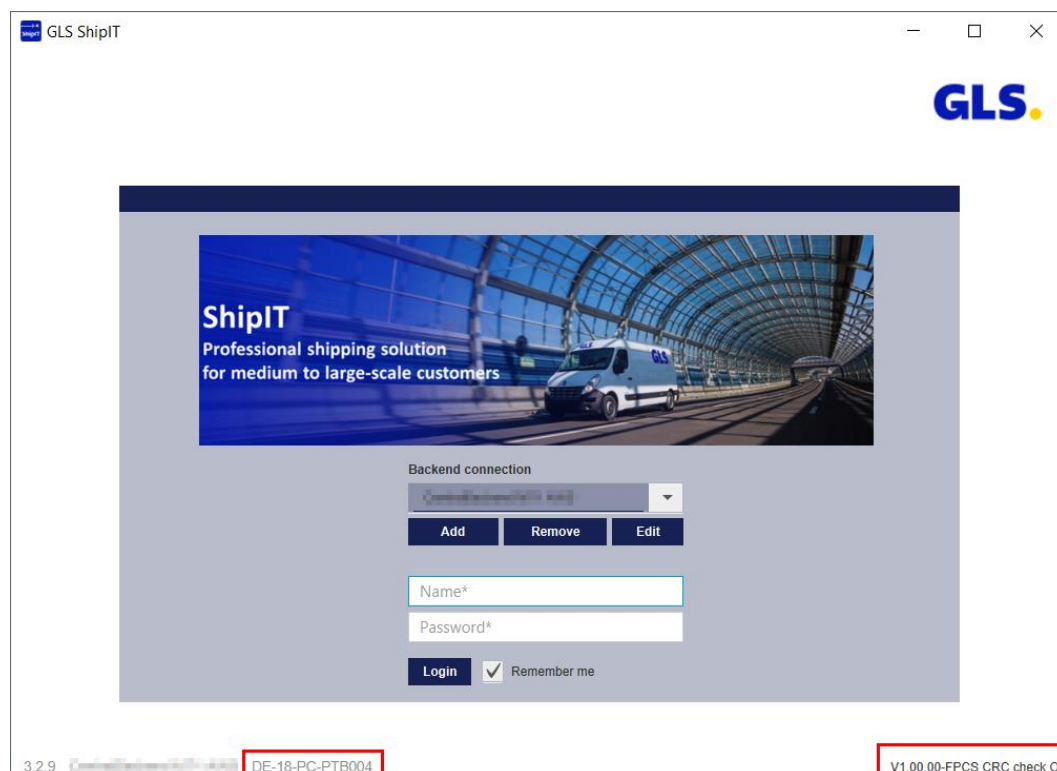


Figure (1) – GLS ShipIT login screen

By entering the key combination **Strg+S** in the main menu, the screen for checking the saved data records is called up.

Measurement Module

— □ ×

Checksum

Module filenamemeasurement.jar

Saved0xF0

Calculated0xF0

Parcel number

Date (from)

Date (to)

26-07-2022

25-10-2022

Parcel number

Track-ID

Weight (kg)

Date

Checksum (Saved)

Status

Figure (2) – Test screen of measurement module

In the screen, you can either enter a date range or a parcel number. By default, "Date (from)" is pre-populated with tomorrow's day minus 90 days. The "Date (to)" field is pre-filled with tomorrow's day.

If a parcel number is entered, all entries found for this parcel from the local data archive are displayed. It is sufficient to search with a part of the parcel number. All entries containing the entered character string are then searched.

If a search is made with "%" in the field "Parcel number", all data records in the selected period are displayed. For each record displayed, the checksum is calculated and compared with the stored checksum. If the checksums match, "OK" is displayed behind the respective data record. If the checksums differ, "ERROR" is displayed and the entire data record is marked red.

9 records found					
Checksum					
Module filename measurement.jar					
Saved 0xF0					
Calculated 0xF0					
Parcel number	Date (from)		Date (to)		
%	07-09-2017		07-12-2017		
Parcel number	Track-ID	Weight (kg)	Date	Checksum (Saved)	Status
2771681571000	ZDAJN710	2,48	2017-12-06 14:45:54	129089	OK
2771681571001	ZDAJN711	2,39	2017-12-06 14:46:06	2196	OK
2771681571002	ZDAJN712	2,06	2017-12-06 14:46:17	218	OK
2771681571003	ZDAJN713	2,67	2017-12-06 14:46:54	3119	OK
2771681571004	ZDAJN714	2,04	2017-12-06 15:00:21	2128	OK
2771681571005	ZDAJN715	2,04	2017-12-06 15:00:32	3233	OK
2771681571006	ZDAJN716	2,04	2017-12-06 15:00:37	3045	OK
2771681571007	ZDAJN717	2,04	2017-12-06 15:00:43	128064	OK
2771681571008	ZDAJN718	2,04	2017-12-06 15:00:58	3145	OK

Figure (3) – Test screen of measurement module with search fields and result list

9 records found					
Checksum					
Module filename measurement.jar					
Saved 0xF0					
Calculated 0xF0					
Parcel number	Date (from)		Date (to)		
%	07-09-2017		07-12-2017		
Parcel number	Track-ID	Weight (kg)	Date	Checksum (Saved)	Status
2771681571000	ZDAJN710	2,48	2017-12-06 14:45:54	129089	OK
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2771681571002	ZDAJN712	2,06	2017-12-06 14:46:17	218	OK
2771681571003	ZDAJN713	2,67	2017-12-06 14:46:54	3119	OK
2771681571004	ZDAJN714	2,04	2017-12-06 15:00:21	2128	OK
2771681571005	ZDAJN715	2,04	2017-12-06 15:00:32	3233	OK
2771681571006	ZDAJN716	2,04	2017-12-06 15:00:37	3045	OK
2771681571007	ZDAJN717	2,04	2017-12-06 15:00:43	128064	OK
2771681571008	ZDAJN718	2,04	2017-12-06 15:00:58	3145	OK

Figure (4) – Test screen of measurement module with search fields and result list (with ERROR entry)

If only a date range without a parcel number is entered, all records in this range are searched. If the checksums of all data records are correct, only the number of data records found is displayed. If differences were found for data records, the incorrect ones are displayed.

In any case, the functional checksum of the programme file *Measurement.jar* is always calculated. This is the functional checksum of the integrity test. In the upper area of the screen, these values are displayed with the currently stored values. To make it clear that the functional checksums are hexadecimal values, they begin with "0x". Differences are shown in red.

By entering the **F1** key combination in the test screen of the measurement module, the electronic module certificate is displayed.

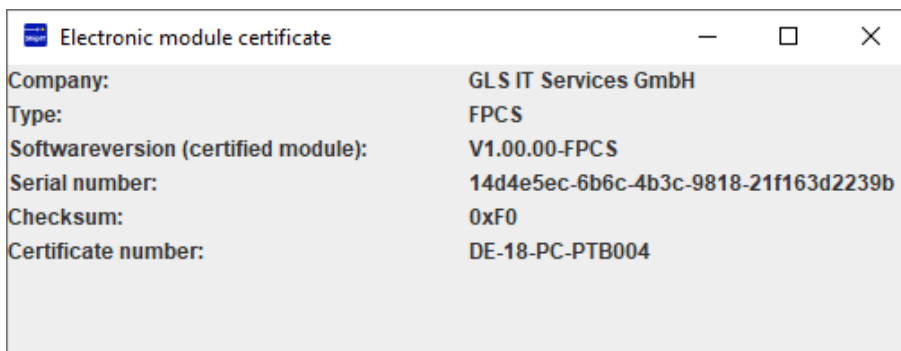


Figure (5) – Electronic module certificate