



Better Training for Safer Food *Initiative*

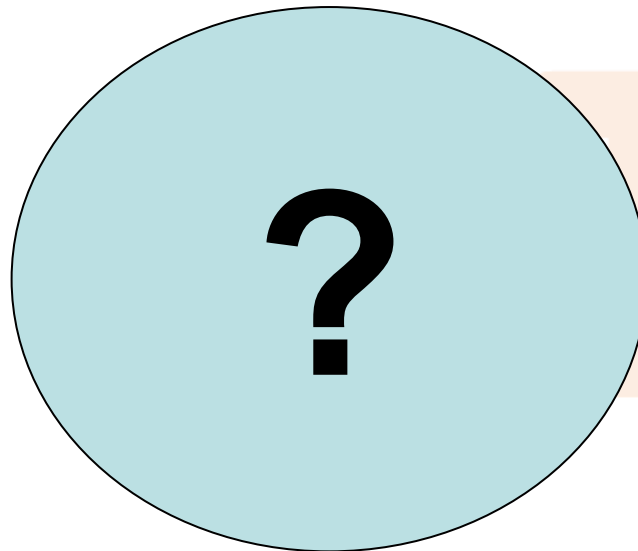
Training course on "Animal Welfare during transport"

Title of the presentation:
Digital Tachograph
Author: Mario Sapino

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Slovenia/Italy, 24-27 June, 2014

Pictopgrams



■ Overview of the pictograms

Operating modes	
Ⓐ	Company
Ⓑ	Control
Ⓒ	Operational
Ⓓ	Calibration
Ⓔ	Production status

Persons	
Ⓐ	Company
Ⓑ	Controller
Ⓒ	Driver
Ⓓ	Workshop / inspection centre
Ⓔ	Manufacturer

Activities	
Ⓐ	Availability time
Ⓑ	Driving time
Ⓒ	Break and rest time
Ⓓ	Other working time
Ⓔ	Valid interruption / break
?	Unknown

Devices / functions	
1	Card slot 1; Driver 1
2	Card slot 2; Driver 2
Ⓐ	Tachograph card
Ⓑ	Clock
Ⓒ	Printer / printout
Ⓓ	Entry
Ⓔ	Display
Ⓕ	External saving Download data (copy)
Ⓖ	Data transmission running
Ⓗ	Sensor
Ⓙ	Vehicle / Vehicle unit / DTCO 1381
Ⓚ	Tyre size
Ⓛ	Power supply

Miscellaneous	
!	Event
×	Fault
Ⓜ	Operational note / Work time

Ⓘ	Shift beginning (Start of work day)
Ⓚ	Location
Ⓛ	Security
Ⓜ	Speed
Ⓝ	Time
Ⓞ	Total / summary
Ⓟ	Shift end (End of work day)
Ⓠ	Manual entry of driver activities

Specific conditions	
OUT	Recording equipment not required
Ⓡ	Vehicle located on a ferry or on a train

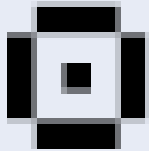
Qualifiers	
24h	Daily
II	Two weeks
→	From or to

**Don't worry
You must know
only these 11**



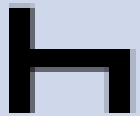


total /
summary



DRIVER/ DRIVING TIME

in the block of job data
THE VEHICLE **IS** MOVING



REST TIME

in the block of job data
THE VEHICLE **IS NOT** MOVING



AVAILABILITY TIME

► stop at the customs,
► time on ferry, on train,
► time in cabin with 2 drivers ...



OTHER WORKING TIME

► to change tyre,
► loading / unloading goods

► Pictogram combinations

Miscellaneous	
☐●	Control location
☐→	Start time
→☐	End time
OUT→	Begin Out of Scope: Recording equipment not required
→OUT	End Out of Scope
● ☐	Location at beginning of work day (shift beginning)
●☐	Location at end of work day (shift end)
☐→	From vehicle
☐▼	Printout driver card
☐▼	Printout vehicle / DTCO 1381
☐→	Entry vehicle / DTCO 1381
☐☐	Display driver card
☐☐	Display vehicle / DTCO 1381
●☐	Local time
☐±	UTC correction

Cards	
☐☐	Driver card
☐☐	Company card
☐☐	Control card
☐☐	Workshop card
☐---	No card

Driving	
☐☐	Crew
☐	Driving time for two weeks

Printouts	
24h☐▼	Daily driver activities (daily value) from the driver card
!x☐▼	Events and faults from the driver card
24h☐▼	Daily driver activities (daily value) from DTCO 1381
!x☐▼	Events and faults from DTCO 1381
>>▼	Over-speeding
☐☐▼	Technical data
☐☐▼	Driver's activities *

☐☐▼	v-diagram *
☐☐▼	Status D1/D2 diagram *
%☐▼	Speed profiles *
%☐▼	Rpm profiles *

Displays	
24h☐☐	Daily driver activities (daily value) from the driver card
!x☐☐	Events and faults from the driver card
24h☐☐	Daily driver activities (daily value) from vehicle / DTCO 1381
!x☐☐	Events and faults from vehicle / DTCO 1381
>>☐	Over-speeding
☐☐☐	Technical data
☐☐	Company

crew





Please, print out the working day: 25.11.2004

It was required to Meier Hans, the day: 26.11.2004



European
Commission

▼ 26.11.2004 14:55 (UTC)

24h▼

□ Schmitt
Peter

□□□ /12345678901234 5 6

○ Meier
Hans

○□□ /45678901234567 7 8
04.01.2004

▲ ABC12345678901234
□ /VS-VM 612

□ Siemens VDO Automotive
AG
1381.12345678901

↑ NFZ-Profi Service & Ve
rtrieb

↑□□ /87654321087654 3 2
↑ 02.04.2004

□□□ /12345678901234 5 6
□ 11.11.2004 11:11

25.11.2004 310

? 00:00 09:01 09h01

□ 09:01 12:33 03h32

1
A S /LCR 243

205 177 km

○ 12:33 15:10 02h37

h 15:10 16:22 01h12 *

○ 16:22 16:38 00h16

□ 16:38 17:20 00h42

16:38

○ 17:20 18:12 00h52

* 18:12 18:36 00h24

h 18:36 18:38 00h02

205 408 km; 231 km

◆ 09:01 □

205 177 km

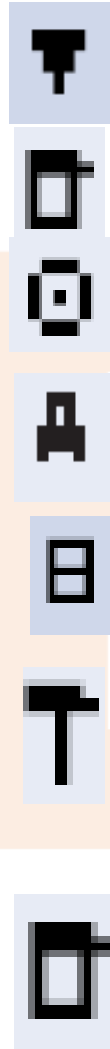
◆ 18:38 □

205 408 km

○ 03h45 231 km

* 00h24 □ 04h14

h 01h14 ? 14h22



▼ 26.11.2004 14:55 (UTC)
-----▼-----
24h▼

o Schmitt
Peter
oID /12345678901234 5 6

o Meier
Hans
oID /45678901234567 7 8
04.01.2004

B Siemens VDO Automotive
AG
1381.12345678901

T NFZ-Profi Service & Ve
rtrieb
TID /87654321087654 3 2
T 02.04.2004

oID /12345678901234 5 6
o 11.11.2004 11:11

o

Chassis number ABC123456780123
plate number: **D** / VS-VM 612

**BETWEEN 2
BROKEN LINE
THERE IS A
SINGLE BLOCK
OF DATA**

**the pictogram
in the middle
of the broken line
tell you the topic
of the under
written data**

BLOCK 1 - IDENTIFYING DATA:

▼ 26.11.2004 14:55 (UTC)
-----▼-----
24h▼

□ Schmitt
Peter
□□D /12345678901234 5 6

○ Meier
Hans
○□D /45678901234567 7 8
04.01.2004

▲ ABC12345678901234
D /VS-VM 612

B Siemens VDO Automotive
AG
1381.12345678901

T NFZ-Profi Service & Ve
rtrieb
T□D /87654321087654 3 2
T 02.04.2004

□
□□D /12345678901234 5 6
□ 11.11.2004 11:11
-----○-----

BLOCK 2 - JOB DATA:

-----○-----
25.11.2004 310

? 00:00 09:01 09h01
□ 09:01 12:33 03h32
-----1-----
A S /LCR 243
205 177 km
○ 12:33 15:10 02h37
h 15:10 16:22 01h12 *
○ 16:22 16:38 00h16
□ 16:38 17:20 00h42
16:38 -----▲-----
○ 17:20 18:12 00h52
* 18:12 18:36 00h24
h 18:36 18:38 00h02
205 408 km: 231 km

BLOCK 3 - JOB DATA: SUMMARY

-----Σ-----
► 09:01 D
205 177 km
► 18:38 D
205 408 km

○ 03h45 231 km
* 00h24 □ 04h14
h 01h14 ? 14h22

BLOCK 1 - IDENTIFYING DATA:

- ▶ date and time of the print;
- ▶ driver identity,
- ▶ driver card data,
- ▶ vehicle data.

```

▼ 26.11.2004 14:55 (UTC)
24h▼
-----
o Meier
  Hans
o D /45678901234567 7 8
  04.01.2004
-----
A ABC12345678901234
  D /VS-UM 612
-----
  
```

BLOCK 2 - JOB DATA:

```

-----
                0
      25.11.2004      310
-----
? 00:00 09:01 09h01
o 09:01 12:33 03h32
-----
                1
A S /LCR 243
  205 177 km
o 12:33 15:10 02h37
h 15:10 16:22 01h12      *
o 16:22 16:38 00h16
o 16:38 17:20 00h42
  16:38 -----
o 17:20 18:12 00h52
x 18:12 18:36 00h24
h 18:36 18:38 00h02
  205 408 km:      231 km
  
```

BLOCK 3 - JOB DATA: summary

```

-----
Σ
o 09:01 D
  205 177 km
o 18:38 D
  205 408 km
-----
o 03h45      231 km
x 00h24 o 04h14
h 01h14 ? 14h22
  
```

BLOCK 1 - IDENTIFYING DATA:

- date and time of the print;
- driver identity,
- driver card data,
- vehicle data.

print

driver

card

Vehicle

▼ 26.11.2004 14:55 (UTC)
24h▼

o Meier Hans
o 0001234567 7 9

A D /US-UM 612

B Siemens VDO Automotive
AG
1381.12345678901

Meier Hans

D number card 45678
falling due on 04.01.2004

BLOCK 2 - JOB DATA:

DATE :

25.11.2004

A S /LCR 243

205 177 km

⊙ 12:33 15:10 02h37 ←

h 15:10 16:22 01h12

⊙ 16:22 16:38 00h16 ←

h 16:38 17:20 00h42

16:38 ----- Δ -----

⊙ 17:20 18:12 00h52 ←

x 18:12 18:36 00h24

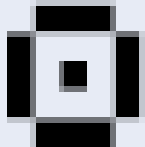
h 18:36 18:38 00h02

205 408 km; 231 km

DRIVING TIME



location – STATE
(departure/arrival).

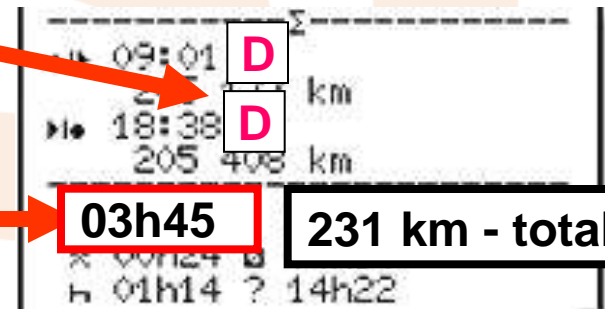


Driving time



summary

BLOCK 3 - JOB DATA: summary



09:01	D	km
18:38	D	km
205	408	km
03h45		231 km - total
01h14	?	14h22

Questions?

To establish the time of departure of the animals, is it right, to make a cross control between the tachograph's data and the data obtained by internet consultation?

ADVICE:

to establish the time of departure of the animals, you refer only to the data obtained by internet consultation (otherwise by navigation system)

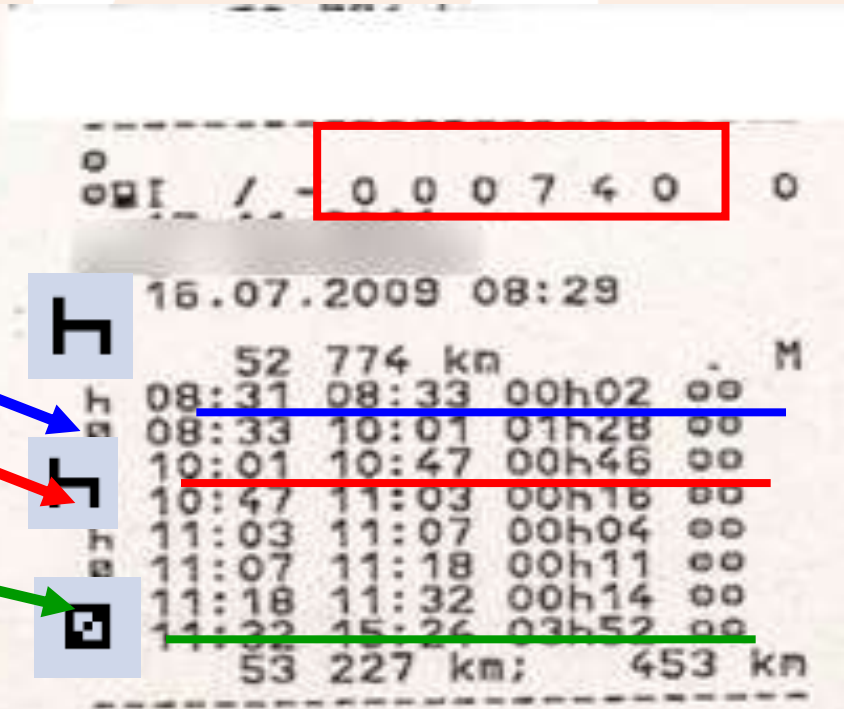
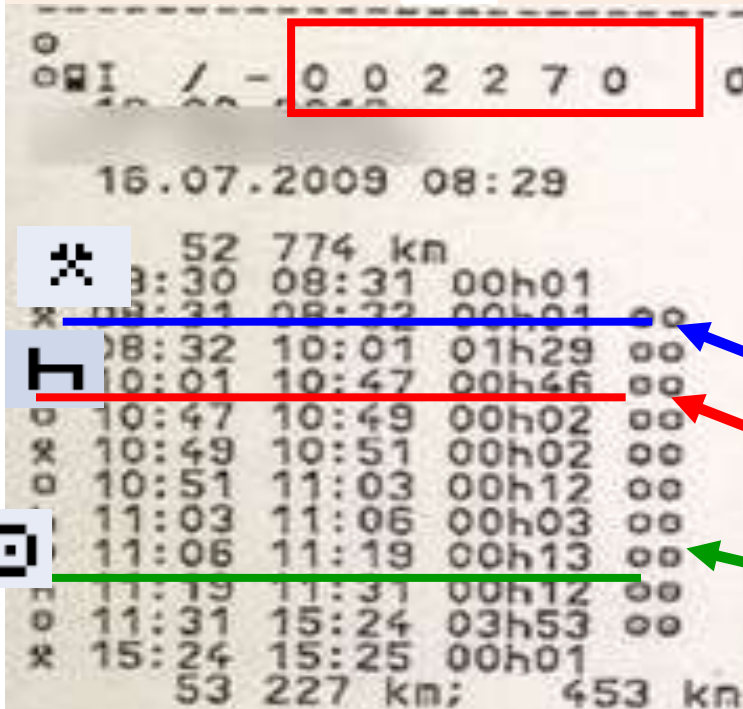
You can use the cross control between the tachograph data and the data of the journey log to check the breaks and rest time



Questions?

How can I check if the driver respected the break and the rest time

On the sheet of the tachograph
I MUST NOT FIND the pictogram for
driving time in the period during which
on the journey log are indicated
break and rest period





Questions?

How can I know if there are periods of the journey carried out with 2 drivers

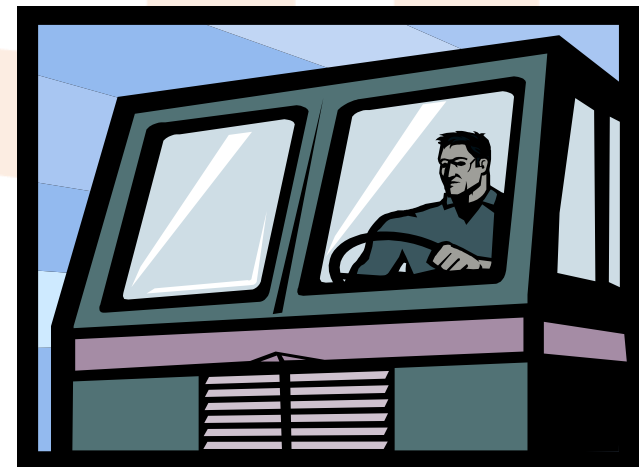
In the period of driving time with 2 drivers, on the right side of the print

BLOCK 2 - JOB DATA:

I can find the pictograms combinations

CREW:  

08:31	08:33	00h02	00
08:33	10:01	01h28	00
10:01	10:47	00h46	00
10:47	11:03	00h16	00
11:03	11:07	00h04	00
11:07	11:18	00h11	00
11:18	11:32	00h14	00
11:32	15:24	03h52	00





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