

# Alcohol interlock pilot project of AFN Dresden



# **Alcohol interlock pilot project of AFN Dresden**

## **A case study**

**Petra Feustel-Seidl**

Dresden International University (DIU)

**Joachim Seidl**

Association for Education, Advanced Training and Further Education  
(AFN)



# Alcohol interlock pilot project of AFN Dresden

## A case study

1. Background
2. Investigation of Acceptance
3. Pilot Project

# 1. Background

Federal Highway Research Institute (BASt):  
Expert discussion on June 2, 2009



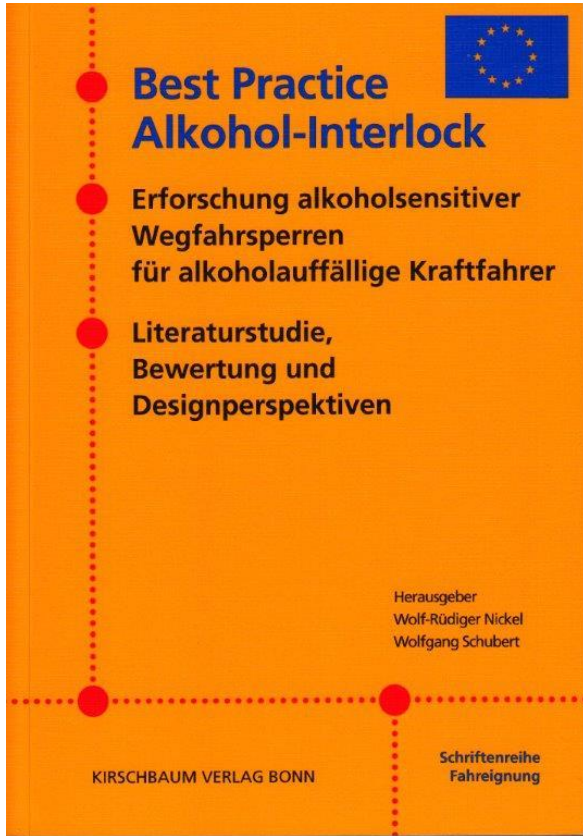
## Use of breath alcohol controlled immobilizers in rehabilitation of alcohol offenders

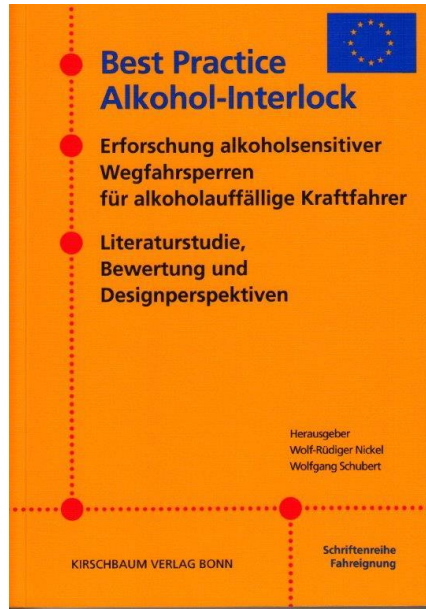
Speakers:

Paul Marques, Simone Klipp, Harald Geiger, Heinz Schöch, Rainer Mattern, Don DeVol, Claudia Blumberg

<http://www.bast.de/DE/Verkehrssicherheit/Publikationen/Veranstaltungen/U4-Wegfahrsperrren-2009/U4-einsatz%20atemalkoholgesteuert-wegfahrsp.html?nn=613574>

# Two studies in Germany:





Nickel, W.-R. & Schubert, W. (Ed.). (2012).  
Best Practice Alkohol-Interlock.  
Erforschung alkoholsensitiver Wegfahrsperrn für  
alkoholauffällige Kraftfahrer.  
Bonn: Kirschbaum.

<http://shop.kirschbaum.de/shop/artikeldetail.aspx?ID=f65f8b29-d159-4bd1-b7ba-baee5c3e046f&IA=1>



**bast**



Hauser, B., Merz, J., Pauls, C., et al. (2014).  
Alkohol-Interlocks für alkoholauffällige Kraftfahrer  
(Berichte der Bundesanstalt für Straßenwesen, M 251).

Alcohol Interlocks for alcohol offenders  
(Reports by the Federal Highway Research Institute, M 251)

<http://bast.opus.hbz-nrw.de/volltexte/2014/824>

## **Both studies show:**

Traffic psychological rehabilitation has to be the main focus.

The clients have to confront themselves with their alcohol problem.

They have to change their attitude and behavior, especially their drinking behavior.

The rehabilitation is supported by alcohol interlock as an assistant system.

There is no alcohol interlock without rehabilitation!



# AFN Gesellschaft für Ausbildung, Fortbildung und Nachschulung e. V.



Association for Education, Advanced Training and Further Education

- Development and implementation of rehabilitation programs for traffic offenders
- traffic psychological research



# AFN

Headquarters: Cologne

Offices: Dresden and Bremen

80 psychologists

Seminars, courses and individual treatments provided in more than 60 cities

founded in 1978

more than 100.000 successful participants



**German drivers having lost their driving licence  
because of alcohol, drugs, traffic offences**

**(voluntary) traffic psychological rehabilitation**

**before readmission they need to pass a MPA  
(medical psychological assessment)**

**negative outcome**

**positive outcome**

**the offenders are **(not)** fit to operate vehicles again**

**readmission of the driver licence**

# AFN Dresden / Praxis for Traffic Psychology Dr. Seidl

Our evaluation in Dresden  
Between 2013 and 2015: 182 clients

The participants completed the traffic psychological therapy  
Distribution among the problematic groups:  
73 % alcohol, 12 % drugs, 15 % traffic offenses

MPA (medical psychological assessment)

8 % negative outcome

92 % positive outcome

## 2. Investigation of acceptance

### Bachelor thesis

**Petra Feustel-Seidl (2013)**

Chemnitz University of Technology



Increase of acceptance in Germany for special preventive introduction of alcohol interlock devices

Survey on the acceptance of the German Interlock project by 607 participants

DVR advancement award in 2015



# Results

Potential participation in the alcohol interlock project without cost analysis (in %)

I would ...	1	definitely take part	51
	2	certainly take part	27
	3	- I don't know	18
	4	not take part	3
	5	definitely not take part	1

# Results

Potential participation in the alcohol interlock project with cost analysis (in %)

				low-income earners
I would ...	1	definitely take part	28	30
	2	certainly take part	22	17
	3	- I don't know	29	30
	4	not take part	14	15
	5	definitely not take part	7	8

# Results

Monetary benefit because of earlier readmission new licence

	Percentage	average benefit per month
higher income	23 %	797 EUR
decreasing travel costs	41 %	185 EUR
additional income	30 %	327 EUR



### 3. Alcohol interlock pilot project of AFN Dresden

Since 2013 we are driving with interlock in our car to make our own experiences with the practicality of the system.



## Pilot project

Start: April 1, 2016

The preparations of the pilot project where very complex.

Many discussions with stakeholders were necessary, e. g.:

- politicians,
- lawyers,
- the Driving Licence Agency.

Missing legal basis for Alcohol Interlock in Germany

→ currently no possibility of a model project with large sample

But:

special permit

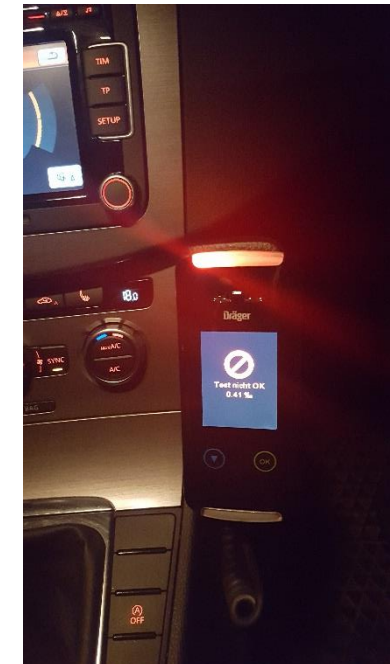
2 Options:

- Administrative law (driving licence agency)
- Criminal law (court)

# Dräger Interlock® 7000



Training to read and interpret the data



Client signs a contract with AFN

**a) Via administrative law:**

Driving licence agency decides to extend the deadline for our clients:

(Still) license-holder with alcohol offense ( $> 1.6 \text{ ‰}$ ) by bike

(Still) license-holder with alcohol offense as relapse offense (0.50 to 1.09 ‰)

## **b) Via criminal law:**

court decides

after alcohol offense ( $> 1.1 \text{ ‰}$ )

Grant or leave the licence with restrictions and conditions

## Process

### **Preliminary:**

Diagnostic detection and recommendation

Clarify whether interlock is possible and  
desirable

Information about the conditions





**Rehabilitation measure:  
"Traffic Psychological Therapy"  
(At least 6 months)**

**Individual sessions  
10 to 14 hours**

**Group sessions  
3 x 6 = 18 hours  
4 participants**

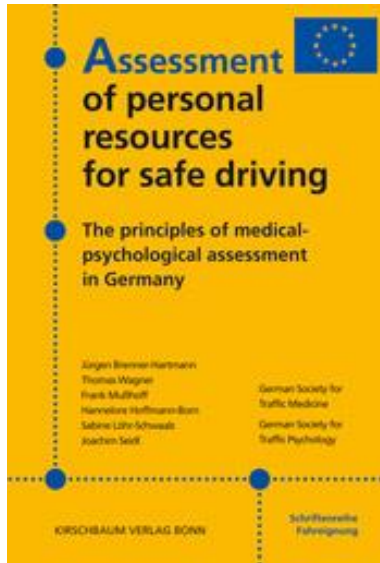






**MPU**

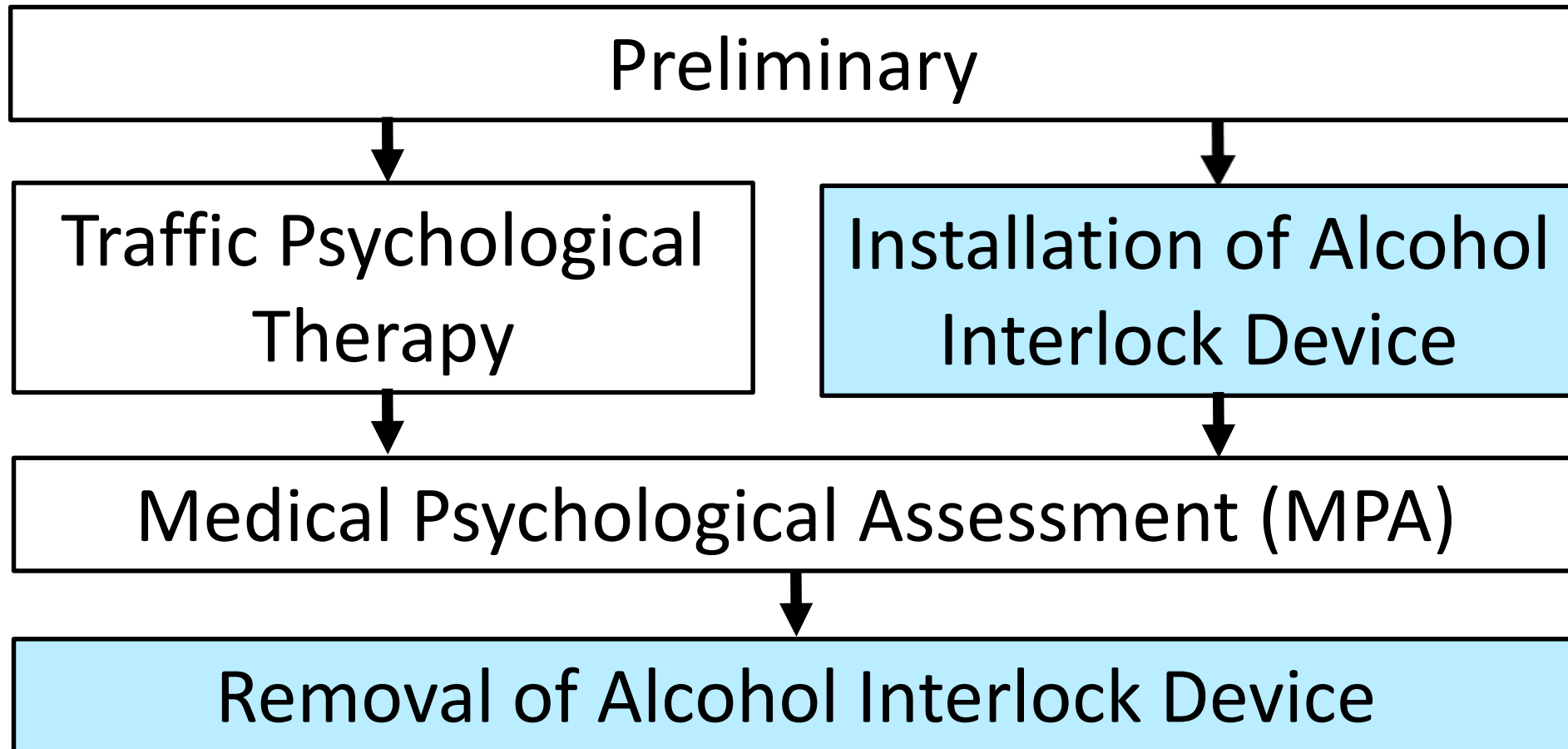
**"Medizinisch-Psychologische Untersuchung"  
Medical Psychological Assessment (MPA)**



Brenner-Hartmann, J., Wagner, T., Mußhoff, F., Hoffmann-Born, H., Löhr-Schwab, S. & Seidl, J. (2014).

*Assessment of personal resources for safe driving.  
The principals of medical psychological assessment in Germany.*

Bonn: Kirschbaum.



## Our clients

To this date 2 clients:  
repeat offenders with alcohol

first consultation:  
situation is discussed  
diagnostic detection and recommendation



## Mr. M. M. (born 1972)

16.07.2003 0,52 ‰

19.09.2004 1,96 ‰

04.10.2006 MPA

18.04.2007 Reobtaining driver licence

04.09.2015 0,84 ‰

**15.02.2016 Demand by driving licence agency  
MPA until 15.04.2016**

31.03.2016 Preliminary

## Mr. M. M.

- 31.03.2016 Preliminary
- 28.04.2016 Start of traffic psychological therapy (group sessions)
- 09.05.2016 Installation Dräger Interlock<sup>®</sup> 7000
- 23.05.2016 Hair analysis: EtG < 7 pg/mg
- 22.08.2016 Hair analysis: EtG < 7 pg/mg
- 31.08.2016 End of traffic psychological therapy  
(15 hours as group sessions, 4 individual sessions)
- Sep. 2016** **upcoming MPA**

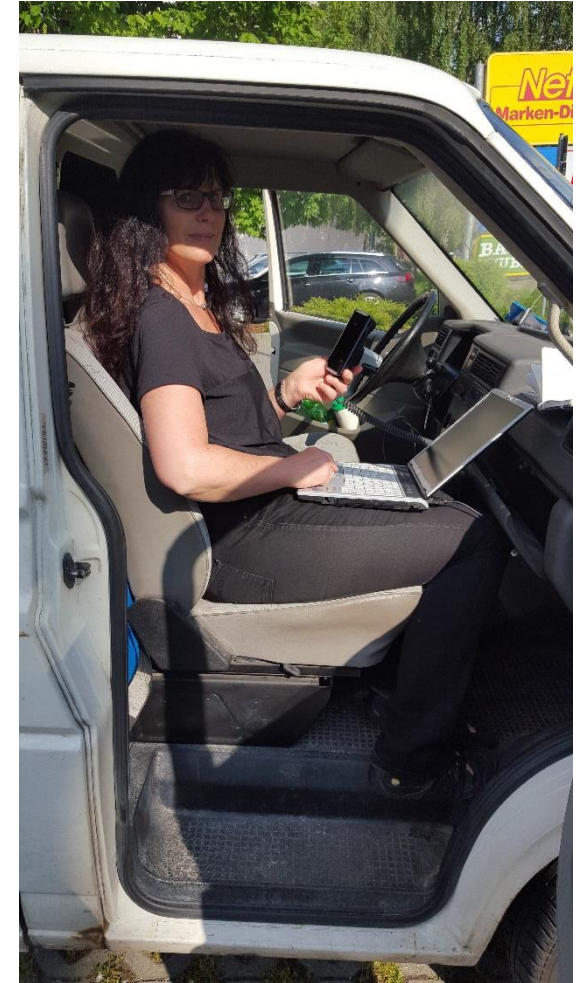
**Mr. M. M.**

Main parameters:

BrAC-limit: 0,2 ‰

Volume of the breath sample: 1000 ml

Free start time: 900 s



**Mr. M. M.**

Data reading:

Date	Initial test	Initial test failed	Initial test passed (BrAC > 0)	Initial test lockout
26.05.2016	98	0	0	0
10.06.2016	57	0	0	0
23.06.2016	55	0	0	0
21.07.2016	78	0	0	0
18.08.2016	41	0	0	0
25.08.2016	29	0	0	0

## Our experiences

Good cooperation with Dräger Safety.

Problems in the implementation can be solved.

Constant contact to licence agency and courts is necessary.

The cooperation with the authorities is very complicated.

Each client is a special case.

The clients benefit from participating in the program.



# Petra Feustel-Seidl & Joachim Seidl

**AFN Gesellschaft für Ausbildung, Fortbildung und Nachschulung e. V.**

**01099 Dresden, Melanchthonstr. 7, Tel. +49 351 8488725**

**email: [seidl@afn.de](mailto:seidl@afn.de) , web: [www.afn.de](http://www.afn.de)**

**Verkehrspsychologische Praxis Dr. Joachim Seidl**

**01099 Dresden, Melanchthonstr. 7, Tel. +49 351 8949 0138**

**email: [info@vpp-seidl.de](mailto:info@vpp-seidl.de), web: [www.vpp-seidl.de](http://www.vpp-seidl.de)**

**DIU Dresden International University**

**01067 Dresden, Freiburger Str. 37**

**web: [www.di-uni.de](http://www.di-uni.de)**



**We thank you for your attention.**

