

# **OPENING UP THE BLACK-BOX OF BODYCAMs**

**SANDER FLIGHT**

**NETHERLANDS**

**INFO@SANDERFLIGHT.NL**



# THE RISE OF THE BODYCAM

**U.S.**



**U.K.**



**GERMANY**



**NETHERLANDS**



# MANUFACTURERS



**2012**

# MANUFACTURERS



2012



2016

# EVERYBODY HAPPY

- **POLITICIANS**
- **POLICE**
- **PRIVACY ADVOCATES**

# RESEARCH

**“YES, THEY WORK”**



# RESEARCH

“YES, THEY WORK”

“NO, THEY DON'T”



# RESEARCH

“YES, THEY WORK”

“NO, THEY DON'T”

“IT DEPENDS”





# META-EVALUATION

<b>RESEARCH DESIGN</b>	<b>Anecdotal</b>	<b>6</b>
	<b>Pre-Post</b>	<b>3</b>
	<b>Treatment-Control</b>	<b>5</b>
	<b>RCT</b>	<b>4</b>

# EFFECTS

## COMPLAINTS

<b>decrease</b>	<b>5</b>
<b>no effect</b>	<b>2</b>
<b>increase</b>	<b>-</b>
<b>(unknown</b>	<b>2)</b>

# EFFECTS

## COMPLAINTS

decrease	5
no effect	2
increase	-
(unknown	2)

## USE OF FORCE

decrease	3
no effect	1
increase	-
(unknown	5)

# EFFECTS

<b>COMPLAINTS</b>	<b>decrease</b>	<b>5</b>
	<b>no effect</b>	<b>2</b>
	<b>increase</b>	<b>-</b>
	<b>(unknown</b>	<b>2)</b>
<b>USE OF FORCE</b>	<b>decrease</b>	<b>3</b>
	<b>no effect</b>	<b>1</b>
	<b>increase</b>	<b>-</b>
	<b>(unknown</b>	<b>5)</b>
<b>EVIDENCE</b>	<b>positive</b>	<b>2</b>
	<b>no effect</b>	<b>2</b>
	<b>negative</b>	<b>-</b>
	<b>(unknown</b>	<b>5)</b>

# ***HOW DO THEY WORK?***

**OPEN UP THE BLACK BOX**

# **MECHANISMS**

**BEFORE: PREVENTION**

**DURING: REAL-TIME MONITORING**

**AFTER: EVIDENCE**

# **CONTEXT**

**SETTING**

**TECHNOLOGY**

**POLICIES**

# **TWO ISSUES TODAY:**

**1. DESIGN**

**2. POLICIES**



# DESIGN

**IF YOU AIM FOR PREVENTION THROUGH  
DETERRENCE, PEOPLE NEED TO SEE THE  
BODYCAM.**

**IF YOU AIM FOR GATHERING EVIDENCE, IT  
MIGHT BE BETTER IF THE CAMERA IS  
INVISIBLE.**

**THERE IS NO 'RIGHT' OR 'WRONG' DESIGN,  
BUT YOU SHOULD THINK ABOUT IT.**

# **DIFFERENT BLACK BOXES**

## **1. THE DEVICE**









# **DIFFERENT BLACK BOXES**

**1. THE DEVICE**

**2. COLOR OF THE UNIFORM**









VIDEO

AUDIO

AXON

POLIZEI



AXON

POLITI

# **DIFFERENT BLACK BOXES**

- 1. THE DEVICE**
- 2. COLOR OF THE UNIFORM**
- 3. TEXT AND SIGNS**



RECORDING

44



AXON

PR6 HD WDR  
CAMERA  
BMW

02  
VIDEO

PINNACLE  
RESPONSE LTD

POLIZEI





**POLIZEI**  
Videoüberwachung



A close-up, rear view of a police officer's uniform. The officer is wearing a dark blue jacket with a high collar and a black mesh vest. On the back of the vest, there is a black rectangular label with the word 'POLIZEI' in white capital letters. Below it is a larger yellow rectangular label with the words 'VIDEO' and 'DOKUMENTATION' in black capital letters. A small, black, cylindrical device is attached to the left shoulder of the vest. The background is plain white.

**POLIZEI**

**VIDEO  
DOKUMENTATION**

# **DIFFERENT BLACK BOXES**

- 1. THE DEVICE**
- 2. COLOR OF THE UNIFORM**
- 3. TEXT AND SIGNS**
- 4. MOUNT**



Z. THOMPSON

POLICE  
PATROLMAN

MOTOROLA





# **DIFFERENT BLACK BOXES**

- 1. THE DEVICE**
- 2. COLOR OF THE UNIFORM**
- 3. TEXT AND SIGNS**
- 4. MOUNT**
- 5. HIDE IT**





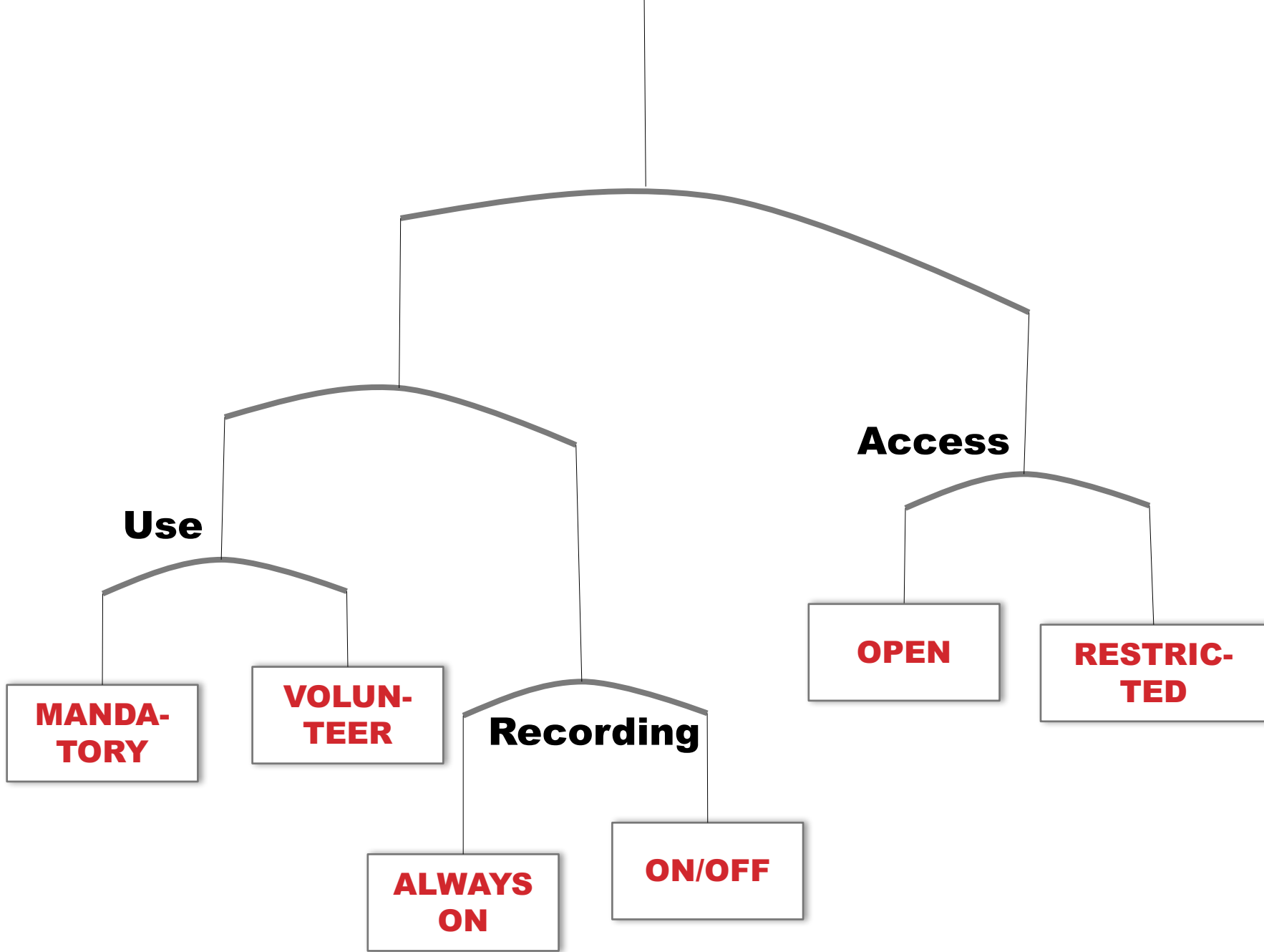


# **POLICIES**

**WHO USES THEM?**

**WHAT IS RECORDED?**

**WHO HAS ACCESS?**



# CHALLENGES

## - POLICE

- MAKE A PLAN
- KNOW THE PLAN
- ENFORCE COMPLIANCE

## - RESEARCHERS

- LESS EVIDENCE, MORE THEORY
- COMPARE COUNTRIES
- INVOLVE POLICE IN RESEARCH
- RIDE ALONG



**E-MAIL ME  
YOUR RESEARCH  
PLEASE!  
(ESPECIALLY  
NON-ENGLISH)**

**[INFO@SANDERFLIGHT.NL](mailto:INFO@SANDERFLIGHT.NL)**

