

**Challenges according to the implementation and usage of the  
UNIQUE IDENTIFIER**

# UNIQUE IDENTIFIER

## Current markings required on the device

### The **approval marking** specify:

1. The contracting party (country) who is responsible for the type approval
2. The Regulation Number the device was type approved to
3. The status of the Regulation at the time of type approval
4. The number of the type approval
5. The different functions that are included in the device
6. Any possible restrictions in mounting height
7. Any possible restrictions in mounting position
8. Any possible restriction to the number of devices necessary (D or Y)

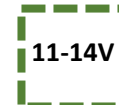
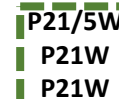
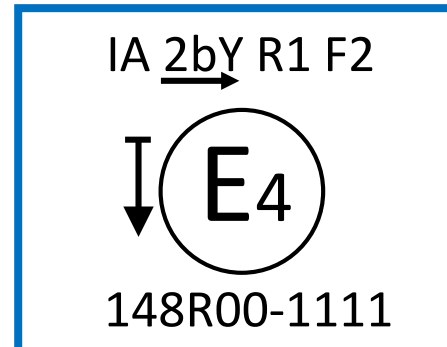
### **IMPORTANT:**

ALL these markings must be visible after the installation of the device on the vehicle

### The **additional marking** specify:

1. The trade name or mark of the manufacturer
2. The category(ies) of the light source(s) used, if available
3. The light source module identifier, if available
4. The rated voltage or range of voltage
5. ....

These markings must not be visible when the device is installed on the vehicle



# Current approval marking problem and UNIQUE IDENTIFIER solution

The idea behind the Unique Identifier

## Once: we had a dream!

**Approval marking** of a device used as a beam contributor for different AFS systems

*(On any fixed part visible after installation i.e. lens)*



60+ mm

35+ mm

F3	K PL	Valeo	00 XEWR	11111	22222	33333	44444
00 00		HELLA	00 XCV	55555	66666	77777	
(E6)		Koito	00 XCWT	88888	99999		
112233		varvec	00 XCVR	121210	112211		
		AL	00 XCWR	14441	14442		
		ZKW	00 XCWR	552200	552201		

**Unique Identifier marking** of a device used as a beam contributor for different AFS systems

*(On any fixed part visible after installation i.e. lens)*



Marking  
20 mm

9 mm

(UI) 1234567

+

Database

Electronic database (DETA)

- Information
- Information
- Information

*The presence of the marking in front of the optics could even have a huge influence on the quality of the real optical system*

# UNIQUE IDENTIFIER

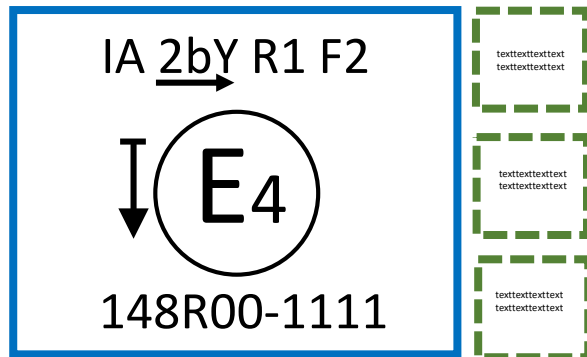
Current status

## *Now: we face reality!*

Paragraph 3.3.3. (148) „The approval marking may be replaced by the Unique Identifier (UI), if available.“

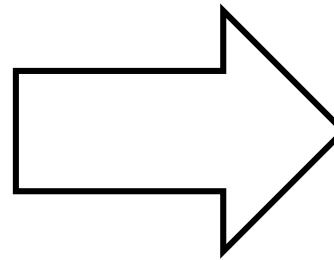
The **approval marking** tells you:

1. The contracting party (country) who is responsible for the type approval (E4)
2. The Regulation Number the device was type approved to (148)
3. The status of the Regulation at the time of type approval (00)
4. The number of the type approval (1111)
5. The different functions that are included in the device (IA, 2b, R1, F2)
6. Any possible restrictions in mounting height on the vehicle ↓
7. Any possible restrictions in mounting position on the vehicle →
8. Any necessary other devices that should be present (D or Y lamps) Y



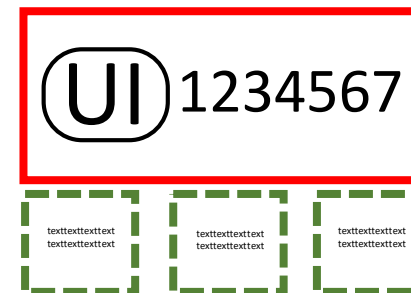
On the device

(approval markings + additional markings)



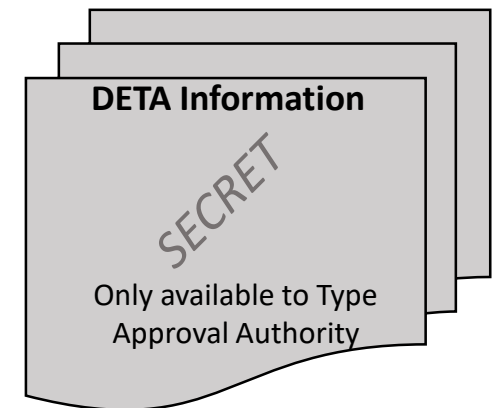
The **Unique Identifier** tells you:

1. The UI number under which the device information is available in the electronic database.



On the device

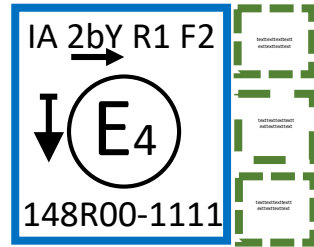
(UI number + additional markings)



In the database (internet)

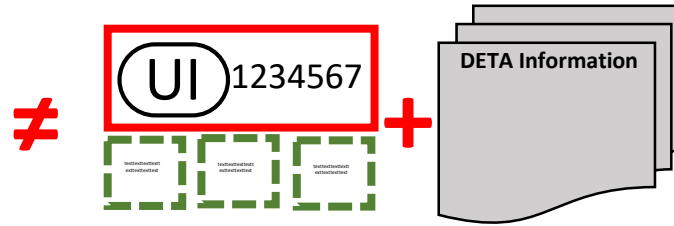
# UNIQUE IDENTIFIER

## Information required



On the device

(approval markings + additional markings)



On the device

(UI number + additional markings)

### -> Different interest groups need different parts of the available information

- Manufacturer -> all information for own type approvals, some information for all type approvals
- Type Approval Authority -> all information for own type approvals, some information for all type approvals
- Periodical technical inspection -> some information for all type approvals
- Maintain law and order -> some information for all type approvals
- Repair shop(s) -> some information for all type approvals
- Vehicle owner -> some information for all type approvals

**Conclusion: Benefit of the Unique Identifier is indivisibly connected to the access rights of the database!**

# UNIQUE IDENTIFIER

## Current status of the Database

### WP.29 – 177<sup>th</sup> session – March 2019

98. WP.29 decided on the detailed access rights as noted in annex V of this report. WP.29 would revisit the matter at its June 2019 session, if necessary.

<i>Explanation:</i> <i>R = read</i> <i>W = read + write + delete</i>	CERT (communication on type approval)	TR (test report)	IF (information document)	OTHER (other documents)
Approval granting TAA (for granted approval)	W	W	W	W
CP applying the UN Reg. for which the approval was granted	R	R	R	R
CP applying UN Reg. 0 (access to the approvals of R0 and the annexed UN Regulations)	R	R	R	R
CPs not applying that UN Reg.	R	-	-	-
Manufacturer *) (only for own approvals)	R	R	R	R

\*) Manufacturers get access upon request to the DETA Administrator.

Note: IWG on DETA will look at expanding access rights for further phases.

**➡ NO ACCESS LEVEL BEYOND CONTRACTING PARTY / MANUFACTURER, BUT MAYBE LATER**

### WP.29 – 178<sup>th</sup> session – June 2019

#### E. Development of an electronic database for the exchange of type approval documentation (DETA) (agenda item 4.5)

*Documentation:* Informal documents: WP.29-178-22, WP.29-178-23, WP.29-178-24, WP.29-178-25 and WP.29-178-26-Rev.1

59. ... He recommended that WP.29 invite GRs, in the context of UI, to consider whether current additional marking provisions were still to be considered part of the approval marking and could be replaced by the UI marking, or these additional markings have an information character and could be provided by alternative means (e.g. insertion in the Communication Form). WP.29 agreed with this suggestion.

**➡ GRE TO DECIDE WHAT MARKING MAY BE REPLACED BY UNIQUE IDENTIFIER**

# UNIQUE IDENTIFIER

## Options for improvement

### Options for the future of the UI

Change the text of the Regulations to adapt current situation of the UI and the electronic database. **A**



**UN-R148: Paragraph 3.3.3.:**

„The approval marking may be replaced by the Unique Identifier (UI), if available.“

**WP.29 (178):**

„WP.29 invite GRs ... to consider whether current additional marking provisions were still to be considered part of the approval marking and could be replaced by the UI marking“

Wait for improvement of the access rights of the database and adapt text as necessary afterwards. **B**



**WP.29 (177):**

„Note: IWG on DETA will look at expanding access rights for further phases.“

Leave everything as it is and see what happens. **C**



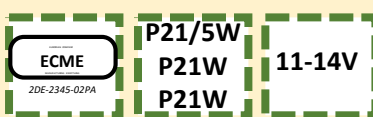
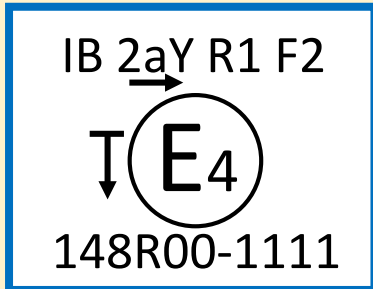
...

# UNIQUE IDENTIFIER



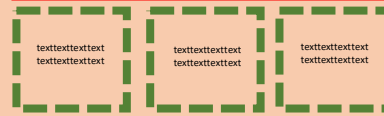
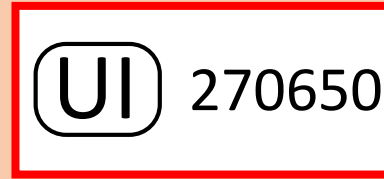
## Possible improvement – Text of the Regulation(s)

Original marking on the device



**Current text of UN-R148**  
(pending on the availability and accessibility of DETA)

Marking(s) on device



Information included:

1. **The UI number**
2. *The trade name or mark of the manufacturer*
3. *The category(ies) of the light source(s) used*
4. *The rated voltage or range of voltage*

Benefit:

- Smaller marking
- **Missing Information?**

### Possible changes to the current text

Add mandatory information (e.g. Symbols)



Remove mandatory information (e.g. additional symbols)






# UNIQUE IDENTIFIER

## Options for improvement – Update DETA




	CERT (communication on type approval)	TR (test report)	IF (information document)	OTHER (other document)	Summary & description
Approval granting TAA (for granted approval)	W	W	W	W	W
CP applying the UN Reg. for which approval was granted	R	R	R	R	R
CP applying UN Reg. 0 (access to the approvals of R0 and the annexed Regulations)	R	R	R	R	R
CPs not applying that Reg.	R	-	-	-	R
Manufacturer (only for own approvals)	R	R	R	R	R
<b>Periodical technical inspection</b>	-	-	-	-	R
<b>Organizations to maintain law and order</b>	-	-	-	-	R
<b>Repair shop(s)/ Vehicle owner</b>	-	-	-	-	R
<b>Public</b>	-	-	-	-	R





**UI 270650**  
Summary & description

F3 K PL  
00 00



**Valeo** 00 XEW<sup>→</sup>R 1111<sup>→</sup>1 2222<sup>→</sup> 3333<sup>→</sup>3 4444<sup>→</sup>4

**HELLA** 00 XCV 5555<sup>→</sup>5 6666<sup>→</sup>6 7777<sup>→</sup>7

**Koito** 00 XCW<sup>→</sup>T 8888<sup>→</sup>8 9999<sup>→</sup>9

**vertrac** 00 XCV<sup>→</sup>R 121210 1122<sup>→</sup>11

**AL** 00 XCW<sup>→</sup>R 14441 1444<sup>→</sup>2

**ZKW** 00 XCW<sup>→</sup>R 552200 5522<sup>→</sup>01

**Additional information**

....

....

...



Access rights as accepted by WP.29 177

Explanation:

R = read only

W = read + write + delete

## UNIQUE IDENTIFIER

Options for improvement – Do nothing and see what happens

