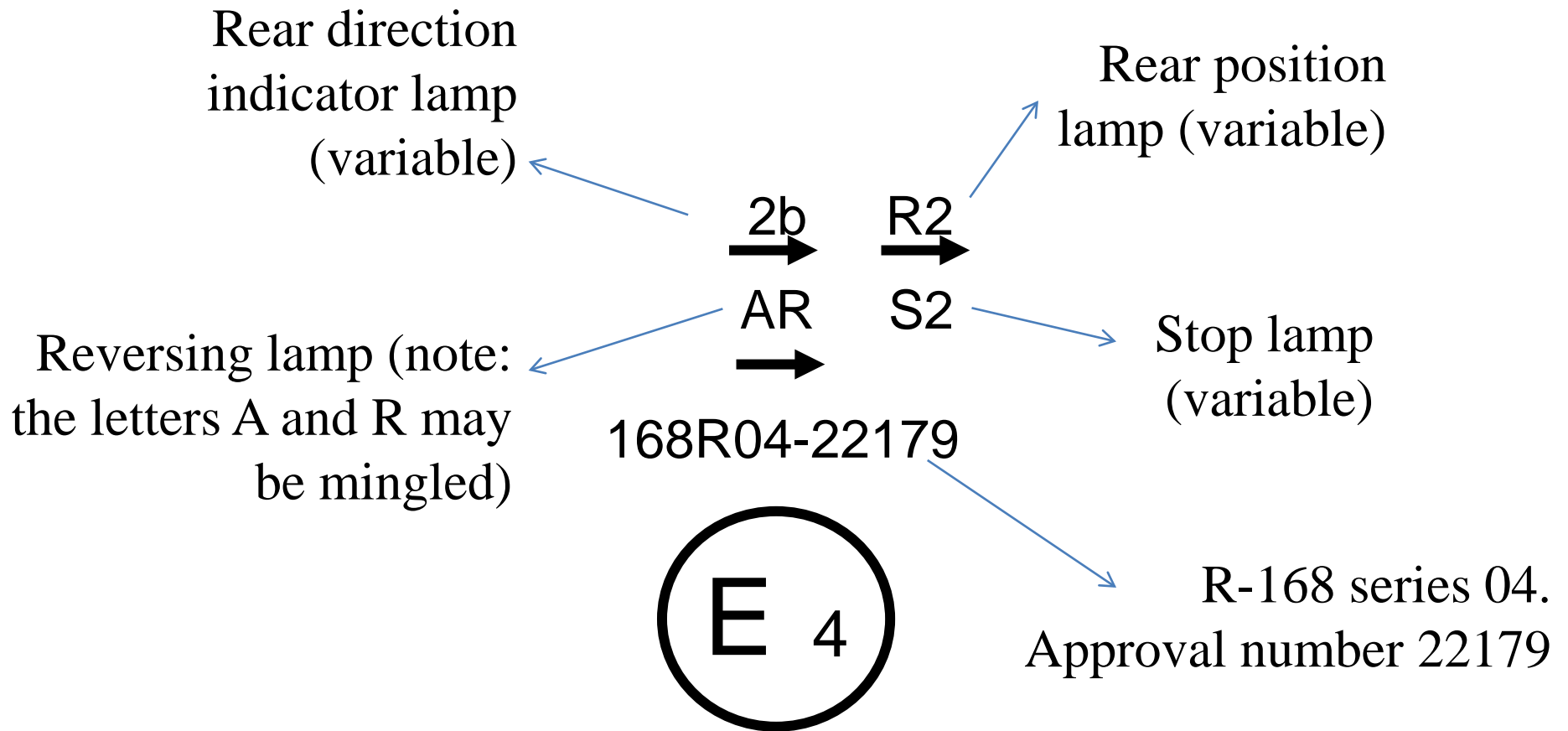


Underlying Principles of Approval Marking for the LSD Regulation

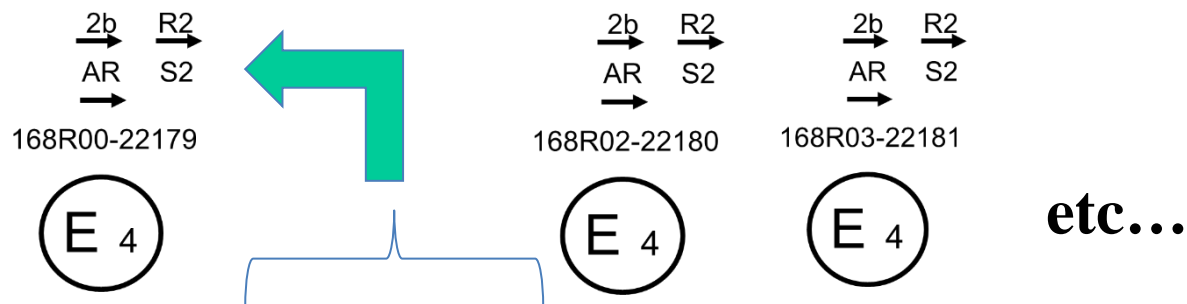
A device type approved according to a lower level of series of amendments to this regulation may be installed on a new type of vehicle, provided that the change index related to each individual lamp, being part of this device, does not differ from that indicated in Table 2.

A new series of amendments shall have no impact on existing devices, type approved according to previous series of amendments to this regulation, provided that the change index related to each individual lamp, being part of this device, does not differ from that indicated in Table 2. In this case no impact means no modification or update of the type approval documents and markings on the device is required.

LSD Marking examples



Underlying Principles of Approval Marking for the LSD Regulation - Annex 8 -

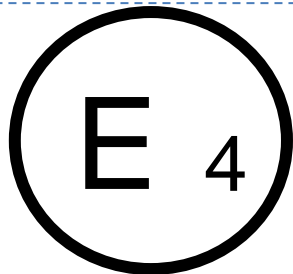
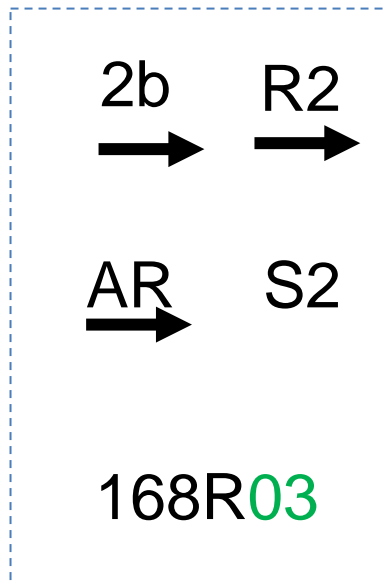


Series of amendments to the Regulation	00	01	02	03	04	05
Function (Lamp)	Change Index for the specific function (lamp)					
Rear direction indicator lamp	0	0	0	0	0	1
Rear direction indicator lamp (Vehicle category L)	0	1	1	1	1	2
Rear end-outline marker lamp	0	0	0	0	0	1
Rear fog lamp	0	0	0	0	1	2
Rear position lamp	0	0	0	0	0	1
Rear position lamp (Vehicle category L)	0	0	0	0	0	1
Rear-registration plate illuminating lamp	0	0	0	0	0	1
Rear-registration plate illuminating lamp (Vehicle category L)	0	0	0	0	0	1
Reversing lamp	0	0	1	2	3	4
Side direction indicator lamp	0	0	0	0	0	1
Side marker lamp	0	0	0	0	0	1
Stop lamp	0	0	0	1	1	2
Stop lamp (Vehicle category L)	0	0	0	0	0	1
Stop lamp (central high mounted)	0	0	0	0	0	1

The 05 Series of amendments is introduced by a general change that affects all the functions (lamps)

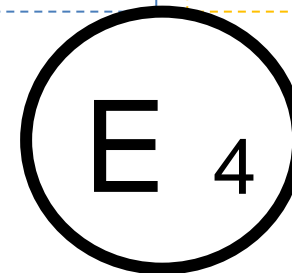
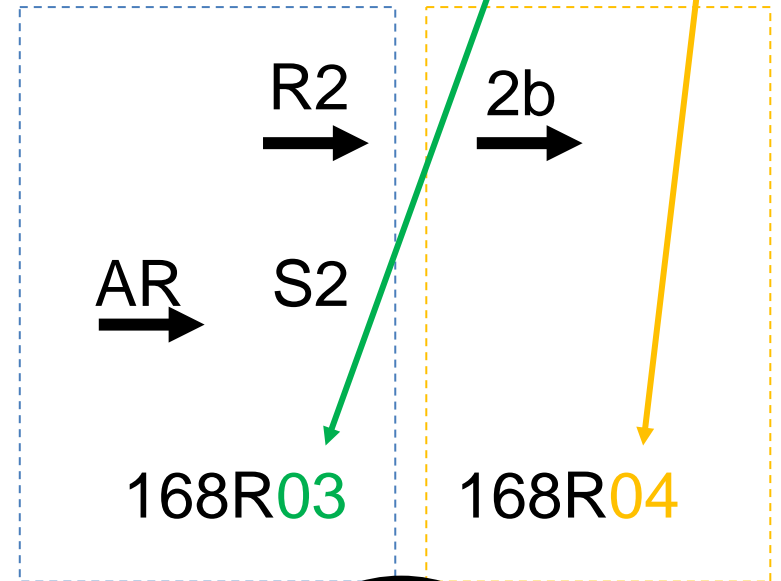
LSD Marking examples – Extension of Approval

- Basic type approval, series 03



22179

- Extension of direction indicator lamp according to series of amendment 04
- No extension (basic, series 03) for other function (lamps)



22179

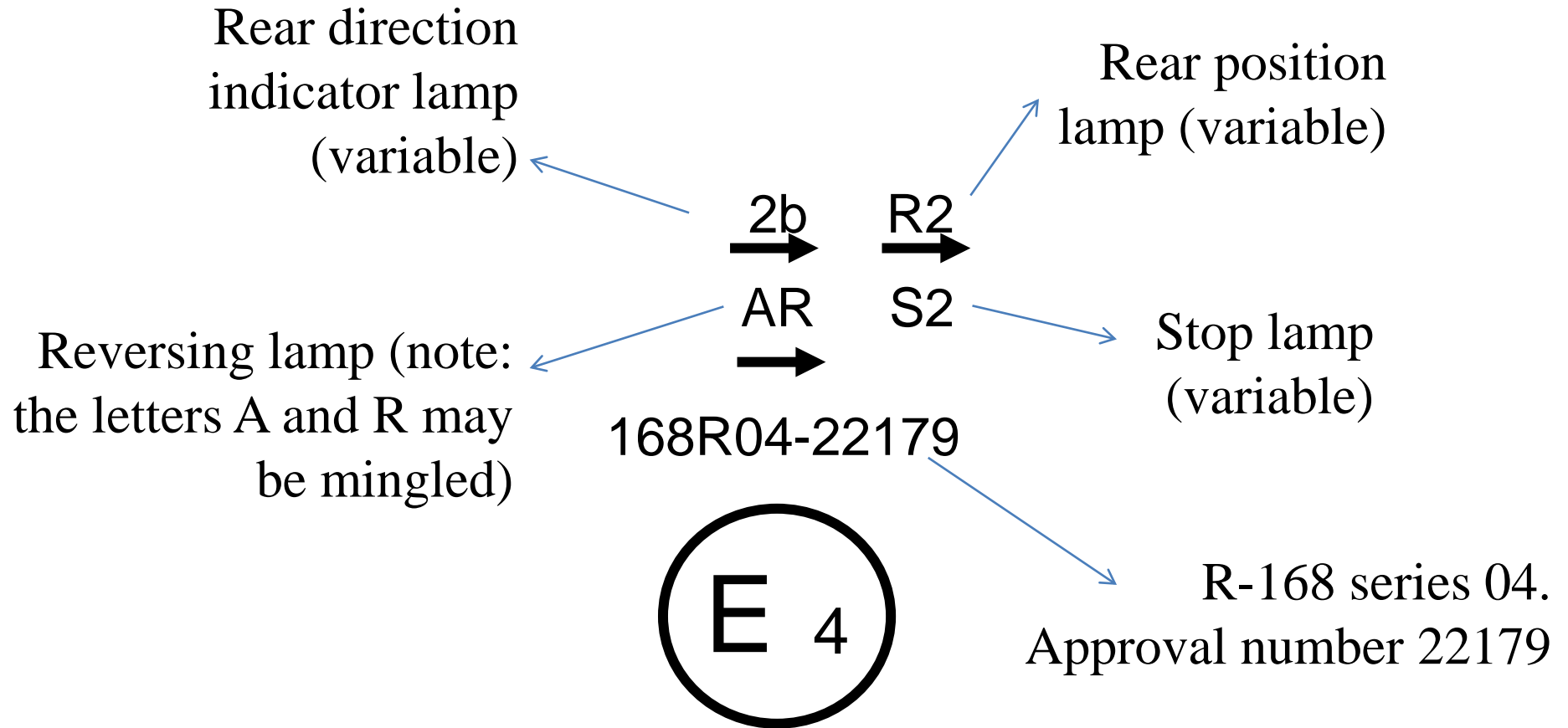
Underlying Principles of Approval Marking for the LSD Regulation

- Annex 8 -

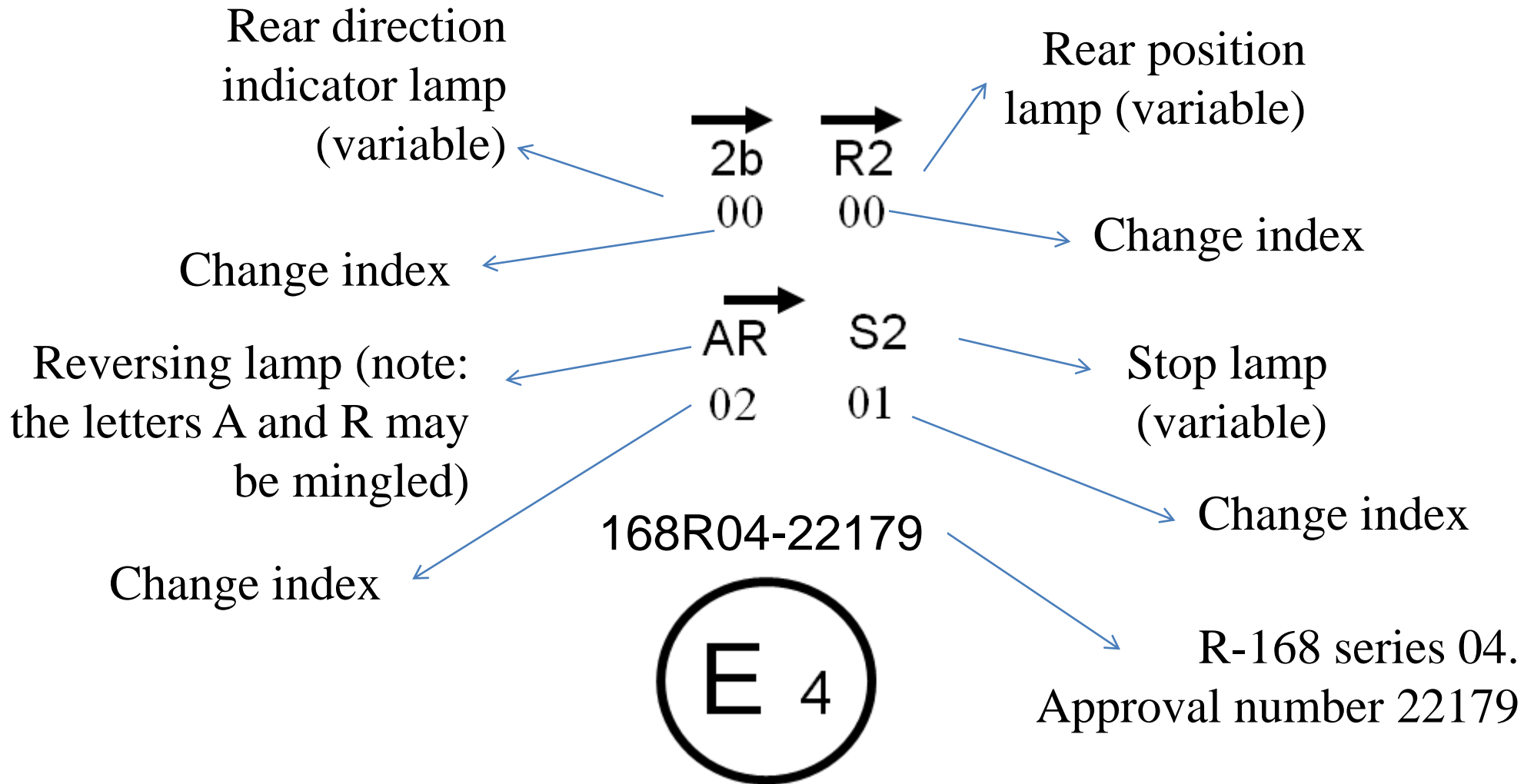
Extension of Approval

Series of amendments to the Regulation	00	01	02	03	04	05
Function (Lamp)	Change Index for the specific function (lamp)					
Rear direction indicator lamp	0	0	0	0	1	1
Rear direction indicator lamp (Vehicle category L)	0	1	1	1	1	2
Rear end-outline marker lamp	0	0	0	0	0	1
Rear fog lamp	0	0	0	0	1	2
Rear position lamp	0	0	0	0	0	1
Rear position lamp (Vehicle category L)	0	0	0	0	0	1
Rear-registration plate illuminating lamp	0	0	0	0	0	1
Rear-registration plate illuminating lamp (Vehicle category L)	0	0	0	0	0	1
Reversing lamp	0	0	1	2	3	4
Side direction indicator lamp	0	0	0	0	0	1
Side marker lamp	0	0	0	0	0	1
Stop lamp	0	0	0	1	1	2
Stop lamp (Vehicle category L)	0	0	0	0	0	1
Stop lamp (central high mounted)	0	0	0	0	0	1

LSD Marking example - Without Change Index



LSD Marking example - With Change Index



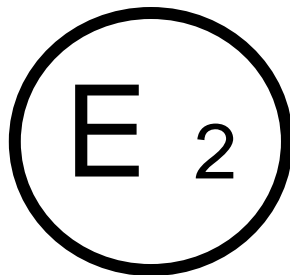
Further work for the SLR Group

- Introduce a definition of “change index”
 - Amend the draft LSD, RID and RRD Regulations to incorporate this approach in the main body and annexes
 - Add a clear guidance in Annex 7 on how to apply the markings
 - Add a new Annex 8 and renumber the subsequent ones
 - Produce a corresponding draft proposal that would apply to the use of the UI
-
- Introduce this (agreed) approach to the IWG-DETA on 09 Nov 2017 and to the IWVTA SG58 Meeting on 10 Nov 2017
 - Check the Draft Guidelines in Document SG58-22-10Rev1 and SG58-23-04 and prepare SLR input for the 10 Nov 2017 meeting

Alternative Solution

Current Marking

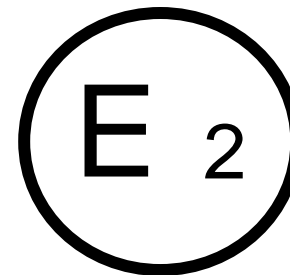
1A	<u>2b</u>	<u>R2</u>	HC
01	00	02	05
F2	AR	S2	K
03	00	00	04



22179

New marking

1A	<u>2b</u>	<u>R2</u>	HC
01	00	02	05
F2	AR	S2	K
03	00	00	04



22179

- No change
- “Old” Series of amendment replaced y “new” change index
- SLR 1 : no fundamental change. Keep the current situation
- To be precised in each 3 new REG in ‘Marking requirements’ paragraph : define clearly the sequence of marking, regarding to the general requirements form 58 agreements