

Submitted by expert from France

Informal document GRSP-60-18  
(60th GRSP, 13-16 December 2016,  
agenda item 19)

# GRSP December 2016

ECE R129 Amendments N°1 & 2

## ●●● Official documents to consider

### ⇒ [ECE/TRANS/WP.29/GRSP/2016/19](#)

- ⇒ Proposal for Supplement 1 to the 02 series of amendments to Regulation N°129
- ⇒ To align the provisions on toxicity and flammability of materials in Phase 2

### ⇒ [ECE/TRANS/WP.29/GRSP/2016/20](#)

- ⇒ Proposal for Supplement 8 to the 07 series of Amendments to Regulation N°14 (Safety belt anchorages)
- ⇒ To align the provisions of Regulation N°14 with those of Regulation N°129

### ⇒ [ECE/TRANS/WP.29/GRSP/2016/21](#) ([GRSP-60-11](#) - amends)

- ⇒ Proposal for Supplement 9 to the 06 series of Amendments to Regulation N°16-06 (Safety belts) (mistake in the title)
- ⇒ To align the provisions of Regulation N°16-06 with those of Regulation N°129

### ⇒ [ECE/TRANS/WP.29/GRSP/2016/22](#) ([GRSP-60-09](#) - supersedes)

- ⇒ Proposal for Supplement 2 to the 01 series of amendments to Regulation N°129
- ⇒ To update the latest version of Phase 1 of Regulation N°129

### ⇒ [ECE/TRANS/WP.29/GRSP/2016/23](#) ([GRSP-60-08](#) - supersedes)

- ⇒ Proposal for Supplement 2 to the 02 series of amendments to Regulation N°129
- ⇒ To update the latest version of Phase 2 of Regulation N°129

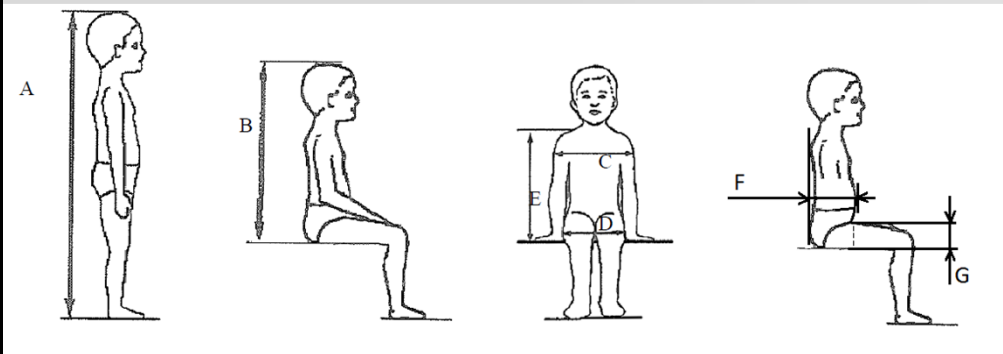
### ⇒ [ECE/TRANS/WP.29/GRSP/2016/24](#) ([GRSP-60-10](#) - amends)

- ⇒ Proposal for Supplement 1 to the 07 series of Amendments to Regulation N°16-07 (Safety belts)
- ⇒ To align the provisions of Regulation N°16-07 with those of Regulation N°129

# Open issues on phases 1 & 2

⇒ Inclusion of Shield Systems as Integral ECRS needs some clarification in the current text of the phase 1  
**(CLEPA proposal still in discussion in IWG CRS)**

	Min	Min	Min	Min	Max	Min	Max	Minimum	Minimum
								m	
Stature	Sitting height cm	Shoulder breadth cm	Hip breadth cm	Shoulder height cm	Shoulder height cm	Abdomen depth cm	Abdomen depth cm	Upper leg thickness cm	Upper leg thickness cm
A	B	C	D	E1	E2	F1	F2	G1	G2
	95%ile	95%ile	95%ile	5%ile	95%ile	5%ile	95%ile	5%ile	95%ile
40	NA	NA	NA	NA	NA	NA	NA	NA	NA
45	39.0	12.1	14.2	27.4	29.0	NA	NA	NA	NA
50	40.5	14.1	14.8	27.6	29.2	NA	NA	NA	NA
55	42.0	16.1	15.4	27.8	29.4	NA	NA	NA	NA
60	43.5	18.1	16.0	28.0	29.6	NA	NA	NA	NA
65	45.0	20.1	17.2	28.2	29.8	NA	NA	NA	NA
120	68.1	33.3	29.1	37.0	43.0	14,3	20,2	6,8	10,5
125	70.2	33.3	29.1	38.5	44.3	14,7	20,7	7,5	10,9
130	72.3	33.3	29.1	40.0	46.1	NA	NA	NA	NA
135	74.4	33.3	29.1	41.5	47.9	NA	NA	NA	NA
140	76.5	34.2	29.6	43.0	49.7	NA	NA	NA	NA
145	78.6	35.3	30.8	44.5	51.5	NA	NA	NA	NA
150	81.1	36.4	32.0	46.3	53.3	NA	NA	NA	NA



- ⇒ Reference to data source: IFTH
- ⇒ New drawing of a revised measurement device is still needed
- ⇒ Paragraph 6.3.2.1 must be amended in order to be able to type-approve in the future integral shield systems.



# Open issues on phases 1 & 2

- ⇒ Limitation of the possibilities of multi-configurations ECRS not really “plug & play” (NL proposal to clarify the text still in discussion in IWG CRS)
- ⇒ How to manage « inserts » for small babies ? (NL proposal to clarify the text still in discussion in IWG CRS)
- ⇒ How to avoid the use of Unique Identifier for CRS ?
- ⇒ How to deal with inflatable elements of CRS ? (NL proposal to clarify the text still in discussion in IWG CRS)
- ⇒ How to validate adjustable booster backrest angle ? (TSG proposal to clarify the text still in discussion in IWG CRS)

# Open issues on phases 1 & 2

- ⇒ Last commission study shows a potential of better discrimination of abdominal loading only on Q3 dummy by increasing the severity of the pulse and a new Installation procedure for dynamic test. **(still in discussion in IWG CRS)**

# Phase 3

- Universal integral CRS with only adult seatbelt use (without support leg, top tether, lower Isofix anchorages ...) but with only one seatbelt route (even in case of convertible CRS), for both forward and rearward facing positions.
- This approach is based on R16 universal position definition (using universal gabarit for vehicle) but keeping the same volume design restriction for CRS as for phase 1 (F2X / R2).
- Stowable top tether, support leg or Isofix connectors can be present (coming from phase 1) but not used for phase 3 universal approval.

