

STATUS REPORT OF THE INFORMAL WORKING GROUP ON SAFER TRANSPORT OF CHILDREN IN BUSES AND COACHES (IWG-STCBC)

CHAIR: MARTA ANGLÈS , SPAIN

SECRETARY: COSTANDINOS VISVIKIS, CLEPA

SLIDE 8 ADDED BY THE EXPERT FROM GERMANY, RUDOLF GERLACH, TÜV RHEINLAND

INFORMAL WORKING GROUP

Lasts meeting

22nd IWG-STCBC meeting

Date: 21st August 2024

Location: Online

Next meeting

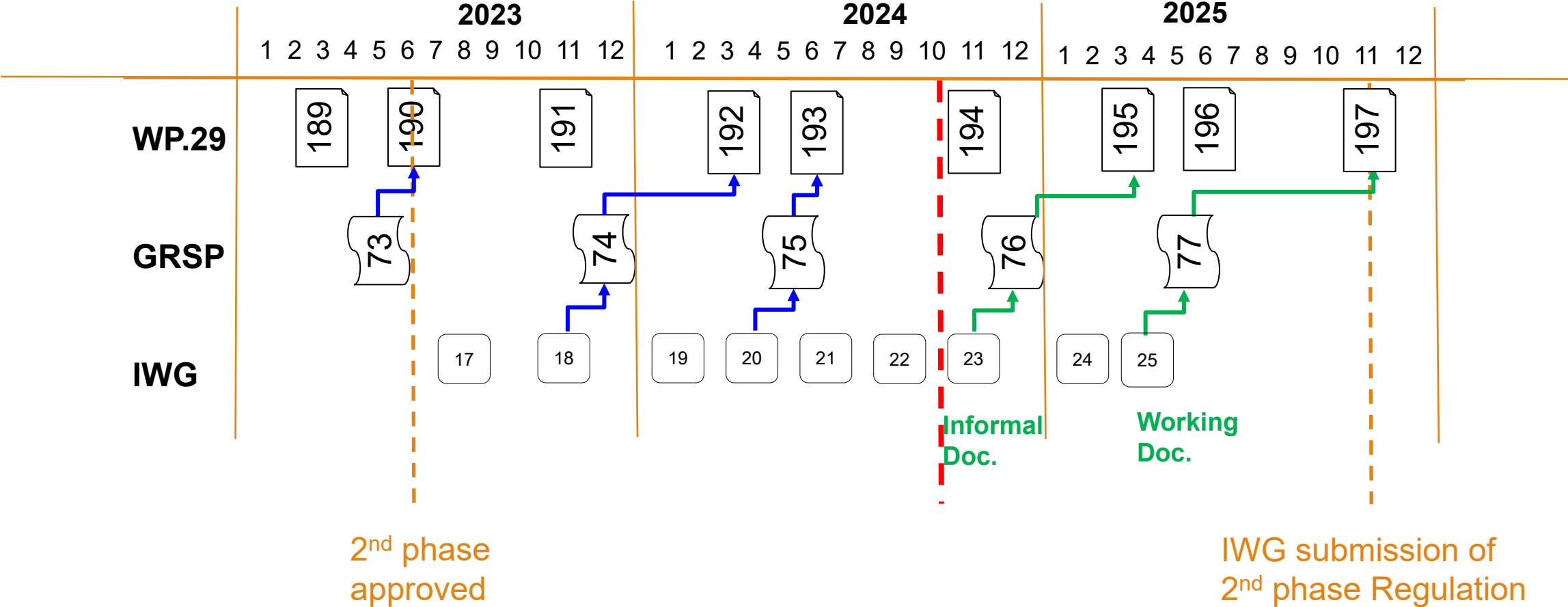
23rd IWG-STCBC meeting

Date: 8th November 2024

Location: Online

TIMELINE

Plan and Schedule



SUMMARY OF THE NEW UN REGULATION

Time line	GRSP- May 2025 WP.29 – November 2025
Objective	No ejection of the children. Good retention in the seat
Phase 1	a: CRS approved according to R-129 with 3-point belt and or ISOFIX b: Built in systems
Phase 2	CRS in combination with 2-point belts

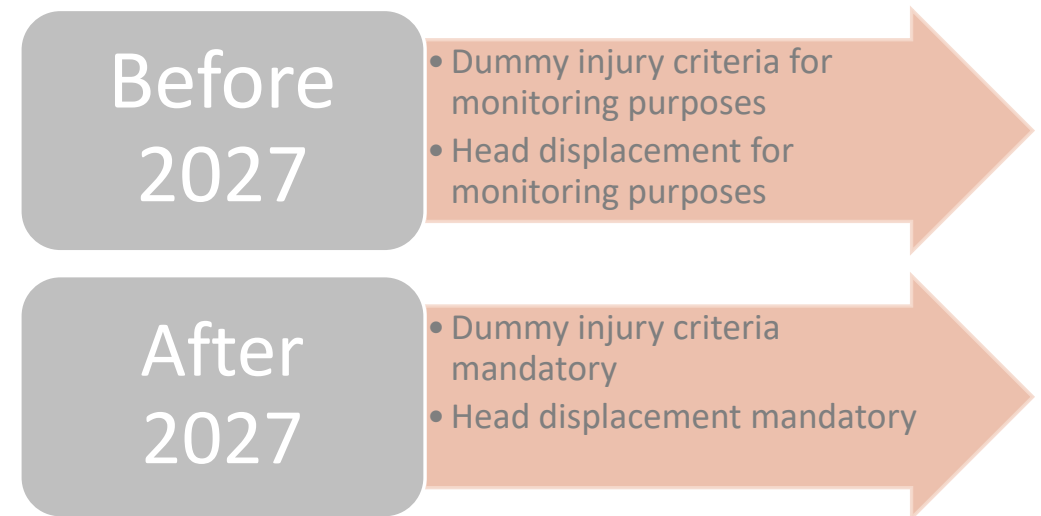
KEY ELEMENTS

- Test configurations: Frontal impact and rollover
- Retention system: 2-point belt
- Consideration of the CRS: R-129 approved CRS + additional new UN Regulation approval



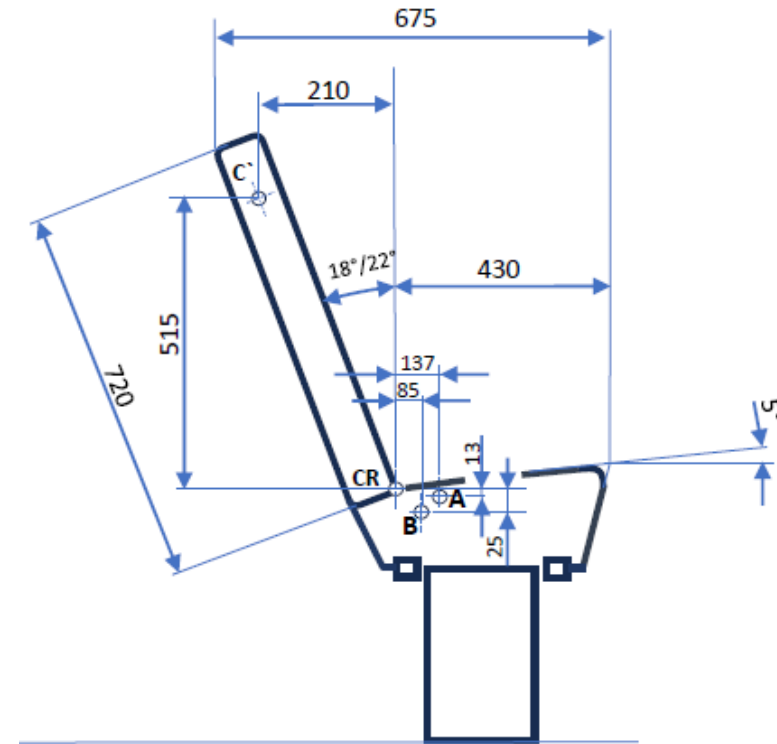
DECISIONS DONE

- Construction of the bus will not be modified.
- Separate components on the CRS for installation will not be allowed.
- Tests results:
 - 1st step: Dummy injury criteria for monitoring purposes only
 - 2nd step: Dummy injury criteria mandatory from 2027



ONGOING

- Test procedure:
 - Real bus seat
 - Definition of the test bench.
 - Anchorage points
 - Cushion and seat back angle
 - Foam



- Installation method for CRS in combination with 2-point belts.



ONGOING

- How to enable final customer (owner) to use UN-R 44 and UN-R 129 approved 3-point belt CRS, also approved according to UN-R 170 for use in buses in combination with a 2-point belt?
- Guidance from GRSG and WP.29 is necessary!
 - How to legally allow to use the above-described CRS in a bus?
 - Is an “update” of the existing product, already at the customer, possible, similar to updates over the air according to UN-R 156?
 - Is a digital certificate where the final customer can verify, that his current CRS approved under approval no. R129-XXX 123 is without any modification also approved for the use with 2-point belts in buses and coaches under approval no. R170-YYY 456?



If we find a way, thousands of children could benefit immediately by using their current CRS for safer transport in buses and coaches!

THANK YOU FOR YOUR ATTENTION