

Status Report of the Task Force of Deployable Pedestrian Protection Systems (TF-DPPS)

**61st GRSP Session
8 – 12 May 2017**

Chair: Jin Seop Park, Republic of Korea
Secretary: Thomas Kinsky, OICA

Background & Objective

- **Background**

- Republic of Korea suggested the clarification of the test procedure for deployable pedestrian protection systems (56th session of GRSP, 2014.12)
- WP.29 AC.3 endorsed the request for authorization to develop an amendment to GTR No.9 (170th session of WP.29, 2016.11)

- **Objective**

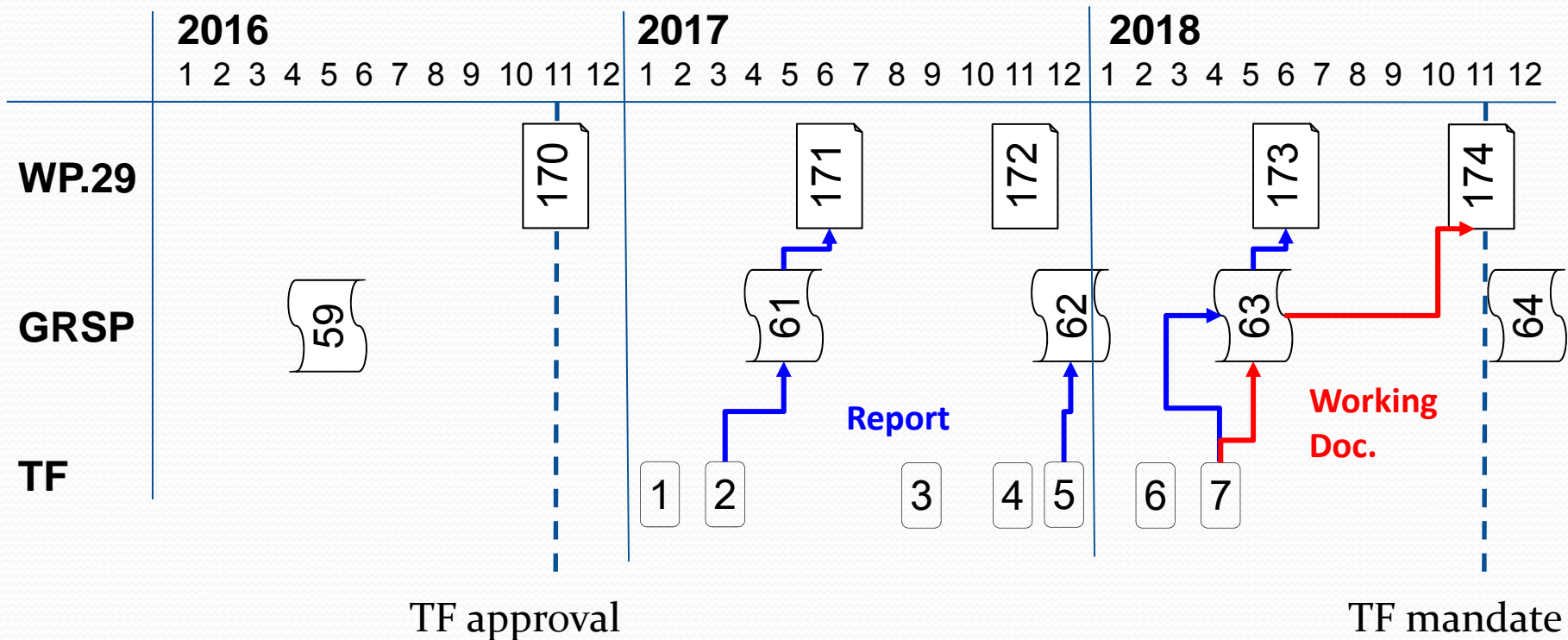
- To develop an amendment to GTR No.9 to adapt the regulation to technical progress by providing a test procedure for deployable systems, ensuring an adequate protection performance for pedestrians and other VRUs

Subject of Amendment

- To develop the amendment to GTR No.9 (and the corresponding UN R127) on a test procedure for deployable systems for pedestrian safety
- Subjects
 - Part A
 - Part B
 - Amendment of paragraphs
 - Addition of procedure-specific paragraphs
 - New Annex: Test procedure for deployable systems
 - Other refinements or corrections, if needed

TF Timeline

- **Current Plan (based on the approved proposal)**



- Aim by 4th meeting: Close more than half of the issues
- Aim by 6th meeting: Prepare a draft amendment
- If open issues cannot be closed before the 63rd session of GRSP, the extension of TF mandate will be requested

TF Meetings Status

- **1st Meeting**
 - Paris, France, 7th ~ 8th February 2017
 - Introduction of TF and discussion on the direction of work
 - Sharing existing DPPS test procedures
- **2nd Meeting**
 - Paris, France, 28th ~ 29th March 2017
 - Summary of the discussion items for the amendment
 - Discussion on specific items of prerequisites/test methods

TF web page under GRSP's Informal Working Groups' section:
<https://www2.unece.org/wiki/pages/viewpage.action?pageId=45383713>

Next TF Meetings

- **3rd Meeting**
 - Web meeting, September 2017
(final schedule and information will be shared ASAP)
- **4th Meeting**
 - Berlin, Germany, 21st ~ 23rd November 2017
 - Planned: Close non-arguable issues on the test procedure
 - Planned: Discuss specific items of prerequisites/test procedures
- **5th Meeting (TBD)**
 - Geneva, Switzerland, 1 day meeting prior to 62nd GRSP

Request for GRSP Guidance

There are some issues where guidance of GRSP would be appreciated:

- **Issue 1**

Does TF scope include a test procedure *and requirements* for deployable pedestrian protection systems for the amendment to GTR9 and UN R127?

- The AC.3 approved document mentioned “by providing a test procedure...” in the “Objective” section
- Based on consumer testing, additional requirements are discussed (“hardest to detect”, protection below lower thresholds, protection at higher speeds, defining clearance, other prerequisites including shall/must-sentences)
- “test procedure” in the approved document include that *requirements for the test* should be clarified?

Request for GRSP Guidance

- **Issue 2**

Is it appropriate that the regulation will include numerical simulation?

- So far, there is no GTR including numerical simulation (GTR No.1 includes mathematical calculation)
- Some factors (e.g. Head Impact Time HIT) for the test are usually obtained by simulation (numerical and/or dummies)
- How to include numerical simulation?

- **Issue 3**

Should the amendment be dealt with in an IWG?

- The amendment includes a test procedure and requirements newly added to Global Technical Regulations
- The content may be too comprehensive for TF discussion.

TF Attendance

**※ For UNECE Contracting Parties, currently only Germany, the Republic of Korea and the UK have attended physically, Japan and the US had dialed in.
The chair of the TF encourages specifically the Contracting Parties to participate more actively!**

Thank You!