



## Economic and Social Council

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### Economic Commission for Europe

#### Inland Transport Committee

#### World Forum for Harmonization of Vehicle Regulations

#### Working Party on Brakes and Running Gear (GRRF)

#### Seventy-fourth session

Geneva, 19–22 February 2013

Item 9(b) of the provisional agenda

Steering equipment – Lane keeping assist system (LKAS) and parking assist system (PAS)

### **Proposal for establishing an informal group on Lane Keeping Assist System and Parking Assist Systems**

#### **Submitted by the experts from Sweden and Japan\***

The text reproduced below was prepared by the experts from Sweden and Japan to establish of informal group on Lane Keeping Assist System and Parking Assist System.

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\* In accordance with the programme of work of the Inland Transport Committee for 2010–2014 (ECE/TRANS/208, para. 106 and ECE/TRANS/2010/8, program activity 02.4), the World Forum will develop, harmonize and update Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate.

## I. Terms of Reference

1. The informal group shall prepare draft regulatory proposals for new Regulations on Lane Keeping Assist System (LKAS) and Parking Assist System (PAS) to be annexed to the 1958 Agreement.
2. The Chairs are Mr. Gunneriusson (Sweden) and Mr. Hirose (Japan). The Secretary is [XXX].
3. The group will focus on systems for the categories [M and N] vehicles.  
Comment: The vehicle categories should be discussed in an informal meeting.
  - (a) First step, discussion of the LKAS until 2015.
  - (b) After finalizing LKAS, discussion of the PAS until 2017.
4. The group should take full account of existing data and research, which includes human factor such as the conclusions of the Intelligent Transport Systems (ITS) informal group, in developing its regulatory proposals. It should consider pre-existing standards (e.g. ISO, SAE, Japanese guidelines) and national legislations for LKAS and PAS in developing its proposal.
5. Draft regulatory texts on LKAS should be submitted to the seventy sixth session of GRRF in February 2014.
6. The target completion date for the work of the informal group on LKAS shall be the seventy seventh session of GRRF in September 2014.
7. Draft regulatory texts on PAS should be submitted to the eightieth session of GRRF in February 2016.
8. The target completion date for the work of the informal group regarding PAS shall be the eighty first session of GRRF in September 2016.
9. Final decisions on regulatory proposals remain with GRRF, WP.29 and the Contracting Parties.

Table 1  
**Schedule of the LKAS**

<i>Year</i>	<i>Month</i>	<i>Details</i>
2013	February	Agreement for the TOR at the 74th GRRF
	March	Agreement for the TOR at the 74th GRRF
	June	Agreement for the TOR at the 74th GRRF
	September	1st Meeting : Technical discussion and review of draft
	September	Intermediate report to 75th GRRF
	[November]	2nd Meeting: Continue
2014	[January]	3rd Meeting : Continue
	February	Submission of the draft to 76th GRRF as informal document
	September	Agreement of the draft in 77th GRRF as formal document
2015	March	Agreement of the draft in WP.29

Table 2  
**Schedule of the PAS**

<i>Year</i>	<i>Month</i>	<i>Details</i>
2013	February	Agreement for the TOR at the 74th GRRF
	March	Pre-informal meeting
	June	Decision of establishing an IG in WP.29
2015	February	4th Meeting : Technical discussion and review of draft
	June	5th Meeting : Continue
	September	Intermediate report to 79th GRRF
	[November]	6th Meeting : Continue
2016	[January]	7th Meeting : Continue
	February	Submission of the draft to 80th GRRF as informal document
	September	Agreement of the draft in 81st GRRF as formal document
2017	March	Agreement of the draft in WP.29

## II. Rules of Procedure

10. The informal group is a subgroup of GRRF, and is open to all participants of GRRF.
11. A Chair, a Vice-Chair and a Secretary will manage the informal group.
12. The official language of the informal group will be English.
13. All documents and/or proposals must be submitted to the Secretary of the group in a suitable electronic format in advance of the meeting. The group may refuse to discuss any item or proposal which has not been circulated 10 working days in advance.
14. An agenda and related documents will be circulated to all members of the informal group in advance of all scheduled meetings.
15. Decisions will be reached by consensus. When consensus cannot be reached, the Chair of the group shall present the different points of view to GRRF. The Chair may seek guidance from GRRF as appropriate.
16. The progress of the informal group will be routinely reported to GRRF – wherever possible as an informal document and presented by the Chairman or his/her representative.
17. All working documents should be distributed in digital format. Meeting documents should be made available to the UNECE secretariat for publication on the website of WP.29.