

**Minutes of the
12th Ad-Hoc Working Group Meeting for a gtr on Tyres
16 and 17 February 2012 (9:30 – 17:30)
Geneva**

1. Welcome and organisational matters:
Mr. I. Yarnold, Chairman, welcomed the participants.
2. Approval of the Agenda :
The agenda was approved as per document TYREGTR 12-04.
It was also agreed to consider the remaining points raised in former documents issued by China and India.
3. Approval of the minutes of last meeting (TYREGTR 12-02)
The report of the last meeting was adopted without observations.
4. Progress report to WP29:

Background - Developing a GTR on tyres was approved by AC3 in November 2006 on the basis of document AC3/15. This agreement was amended during 2009 by AC3 through recognition of the need to create a 2-phase approach, caused by the complexity and considerable additional workload of harmonising test requirements for `LT' (light truck) and `C' (Commercial) rated tyres. Revised timescales were set at:

- Phase I - June 2012
- Phase II - end 2014

Since then a combination of factors have slowed progress and delayed completion of the draft GTR.

Mr Yarnold informed the group that he had submitted a report to AC3 requesting to extend the timeline for delivering the Phase-I draft GTR by 12 months to June 2013 (from June 2012). As a target, the Chair indicated the following intermediate steps:

- Agreement on the draft text during this meeting
- Informal document, including the rationale, to be sent to GRRF February 2012 (week after this meeting)
- Turn it into a working document for the GRRF session of September 2012 (deadline for submission is June 22, 2012). A half day session should be dedicated to the gtr on tyres in next GRRF.
- Adoption by GRRF either in September 2012 or, at the latest, February 2013.
- On the agenda WP29 session of March 2013.
- Adoption by WP29 in June 2013.

5. Approval of the amendments of the text of the gtr according to decisions made during the 11th meeting (TYREGTR 12-01).

The document was approved with the following comments:

- Scope was amended to read “LT or C Tyres with tread-depth of greater than **or equal** to 14.3 mm (18/32 in).”
- Clause 3.3.6: Note 2 should be deleted because gtr applies to new tyres and not existing ones.
- Clause 3.8.7: This paragraph should become a footnote and the note should say that the test report is mandatory for TA.
- Clause 3.12.2.1.2: Add text “with the provision of” and amend 3.12.2.1.1 to read 3.12.2.1.
- Clause 3.12.4 same as 3.8.7. Amend reference to “appendix 8” to read “appendix 9”.
- Clause 3.16.1.3: Need to confirm “3.5%” or “± 3.5%”
- Appendix 5: Check reference 2.28.2 in note 2.
- Appendix 7: The reference to European and United States tyres needs to be changed.
- Appendix 3: There is no reference to Appendix 3 in the text.

Attendees agreed to accept all the changes made during the previous meetings and to continue discussions based on a clean version of the draft text.

6. Revision of the clean version of the draft text and consideration of the remaining open points.

The following points were discussed:

- Page 1: The need to harmonize the title with other gtrs.
- Rationale and justification: An agreement to keep this paragraph together with the gtr (in keeping with gtr n°8 for instance)
- Rationale paragraph 12: A majority of attendees confirmed their preference to consider adding rolling resistance test in the second phase of the gtr.
- Rationale and justification: Discussion on how to describe the journey of the informal group from the beginning of the work until agreement on phase 1. Consideration was given to a proposal from Russian Federation (TYREgtr-12-06); the Chair proposed a revised version of paragraphs 16 to 20 which was accepted by all attendees.
- Scope: Agreement to extend the scope down to diameter code 8 instead of 10.
- Scope: Questions were raised on the exclusion of Special tyres (ST) for trailers in highway service, and which tests shall apply to LT or C Tyres with tread-depth of greater than or equal to 14.3 mm (18/32 in). The exclusion should be when FMVSS139 applies only and not Reg. 54. This point will require further discussion at the next meeting. It was noted that if the scope remains unchanged, a definition of special tyres for trailers needs to be added after clause 2.32.
- Clauses 2.19, 2.32, 2.65 and 3.5.8: There was agreement to move the list of organisations to a new Appendix 10.

- Clause 2.50 and 2.51: There was agreement to wait for the decision from GRRF regarding snow tyre definitions.
- Clause 3.1.2 - Plant code: It was noted that the informal group need NHTSA's help to resolve this issue. A proposal to use a dedicated 3 digit code by those tyre manufacturers not registered in the USA was discussed. This option was not considered acceptable by the tyre industry, as plant traceability would not be possible under this system. A proposal to ask the UN secretariat to issue a code was not considered feasible by the group.
- Clause 3.2.1: There was discussion on the TIN. It was noted this mark was for identification purposes and was not intended as a certification mark. There was general agreement that a global mark to replace E, DOT, CCC etc could not be defined nor harmonized by the group. Industry is insisting on keeping the TIN and for its structure to be harmonized. The group confirmed their agreement on the structure of date and manufacturer's code as proposed.
- Clause 3.2.1.5: The text was revised to address instances when a tyre has no "intended outboard sidewall" defined.
- To add a new Clause 3.2.1.9 defining the font to be used for Tyre Identification Number (TYREGTR 12-03). This proposal should first receive the agreement of NHTSA and should be amended to consider the comments from the tyre industry (TYREGTR-12-07).
- Clause 3.3.2: The group discussed a proposal from China (TYREGTR-11-06) to replace the mark ZR with the rated speed limit of the tyre. The proposal was considered as reasonable but not feasible in practice if this concept has to be applied for all tyres.
- Clause 3.3.1.2.3: A request from China to amend this clause (TYREGTR-11-06) was not needed as already covered in clause 3.3.1.2.
- Clause 3.3.6: Agreement to remove note 2 for future tyres.
- Clause 3.3.10: It was suggested to make reference to the run flat test.
- Clause 3.3.13.1 and 2: Agreement on a request from India to delete both paragraphs.
- Clause 3.5.2: Agreement that reference should be to paragraph 2.
- Clause 3.5.2.3: Agreement to delete this paragraph.
- Clauses 3.5.2 and 3: Agreement that the footnote should refer to appendix 3.
- Clause 3.5.6.1.1: A request from China (TYREGTR-11-6) to replace "4%" by "+/- 4 %" was not adopted because this would need further assessment by other standards organisations and ISO.
- Clause 3.6.2.1: A request from China (TYREGTR-11-6) was adopted.
- Clause 3.6.2.5: The statement that the test is completed when the plunger touches the rim needs to be confirmed by NHTSA next meeting.
- Clause 3.6.2.6: Agreement to replace squared brackets by round ones.
- Clause 3.7 needs to be confirmed against the FMVSS text. Does the table in 3.7.2.2 remain correct? In 3.7.3.5, the rim codes stop at 10 when the scope of the gtr starts at 8; is this a problem? A proposal

made to amend 3.7.1 to add “with rim code diameter equal or greater than 10”. This item will be finalized at next meeting.

- Clause 3.8.2.2 and 3: A request from India (GRRF-72-16) to verify the latest version of Ref. Test numbers IEC 60651 1979/A1:1993 and IEC 60942:1988 was not agreed as this needs the assessment of GRB experts with regard to possible consequences and their subsequent approval.
- Clause 3.8.7: Agreement to rephrase this paragraph.
- Clauses 3.9.3.5 and 3.10.3.6: At the request from India, we need to clarify the reasons for measuring the pressure at the end of the test.
- Clause 3.11.1.3: An agreement to change from 6 to 2 hours as this represents the worst case.
- Clauses 3.11.2 to 7: A request from India (GRRF-72-16) was agreed and all paragraphs were amended with reference to appendix 1.
- Clause 3.12 in general: By next meeting, group to check if the text is suitably generic.
- Clause 3.12.1: This clause will be amended according to the GRRF decision regarding snow tyre definitions.
- Clauses 3.12.3 and 3.12.3.2.1: An agreement that the reference to document TRANS/WP29/1045 should be moved to a footnote.
- Clause 3.12.4: Agreement to rephrase this paragraph.
- Clause 3.13: Agreement to adopt a proposal from India (GRRF-72-16) with rephrased text.
- Clause 3.14.1: An editorial mistake in the table was identified and corrected.
- Clause 3.14.2: India requested that the text should be rechecked versus FMVSS119 by next meeting.
- Clause 3.14.3.3: Agreement to replace squared brackets by round ones.
- Clause 3.15: An agreement to add the text “with rim code of 10 or greater”.
- Clauses 3.16, 3.17, 3.19, 3.20 and 3.21: Agreement that references to Reg. 54 and FMVSS 139 should be moved to a footnote.
- Clause 3.17.2.2: An agreement to amend the temperature format (from “32 to 38” to “35 +/- 3” everywhere it appears).
- Clause 3.19.2.3: Following a request from India (GRRF-72-16), it was agreed to check this paragraph according to High Speed performance test procedure in FMVSS139, which says “If loss of air exceeds 14 kPa (2 psi) during the conditioning period, determine cause, correct if possible, and recycle tire through the conditioning period” Ref : TIRE CONDITIONING (S6.2.1.1.2 and S6.2.1.1.3)”.
- Clause 3.21.1.2.1: An agreement that the footnote should refer to appendix 3.
- Appendix 3: An agreement to reorder the rim codes.
- Appendix 5: That note 2 must refer to appendix 1.
- Appendix 6: An agreement to keep the reference to the former ISO.
- Appendix 7: The tables were reviewed and reorganized and all CV sizes were removed.

- Appendix 9 refers to SRTT: It was noted that a definition of SRTT needs to be added by next meeting.

The above amendments are included within informal document GRRF-72-23.

7. Harmonisation of LT / C tyres follow-up –
Tyre industry representatives confirmed that work was ongoing and that some progress has been made.
8. Next steps.
 - Send informal document GRRF-72-23 to GRRF for the February session.
 - Plan to adopt the text in GRRF 73 (September 2012) but could be February session at the latest.
 - Agenda of WP29 in March 2013.
 - Approval of WP29 in June 2013.
9. Any other business: none.

10. Date of the next meeting

The next meeting will take place on June 29 2012 (the Friday of June's WP29 week).


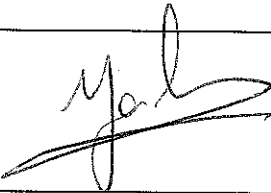
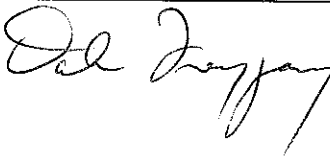


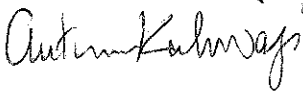




11. Close of the meeting

The Chairman, Ian Yarnold, closed the meeting and thanked all the participants for their contribution to the discussion.

Attachment: Attendance list.

INFORMAL GTR WORKING GROUP
Geneva, 16 + 17 February 2012

ATTENDANCE LIST

Name	Country / Company	Signature
JOHAN BERGLUND	OICA	
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