

For BIS Use Only

BUREAU OF INDIAN STANDARDS

DRAFT Minutes

Name of the Committee	No. of Meeting	Date and Time	Day	Meeting
Automotive Tyres, Tubes and Rims Sectional Committee, TED 7	Forty-Third (43 rd)	23 September 2024	Monday	HYBRID Mode (Physical + Virtual) Manak Bhawan New Delhi

VICE CHAIRMAN: Sh. V.K. Misra

CHAIRMAN: Sh. D.P. Saste

HEAD TED: Sh. A P D Dwivedi

MEMBER SECRETARY: August Dubey

ITEM 0 WELCOME AND INTRODUCTORY REMARKS

0.1 Welcome Remarks by Head (TED)

HTED welcomed the Chairperson and participants to the meeting. He emphasized the need for active involvement of committee members in formulation and review of Indian Standards, and urged all stakeholders to actively contribute to national standardization efforts.

0.2 Opening Remarks by the Chairman

The chairperson warmly welcomed all participants. He praised the excellent work done by the TED 7 committee and its various panels. He highlighted the important points in agenda which needs detailed deliberation and requested members to actively contribute in standardization.

List of participants attached at **Annexure 4**.

ITEM 1 CONFIRMATION OF THE MINUTES OF PREVIOUS MEETING

The minutes of the 42nd Meeting of Automotive Tyres, Tubes and Rims Sectional Committee, TED 7 held virtually on 14th May 2024 was circulated vide BIS Portal dated 5 June 2024 (and addenda to the minutes was issued on 10 June 2024). There being no comments on the minutes, committee confirmed the minutes of 42nd meeting of TED 7

ITEM 2 COMPOSITION OF SECTIONAL COMMITTEE / SUB-COMMITTEE / PANEL

2.1 Committee noted the information given in the agenda

- 2.2 Committee noted the information given in the agenda
 2.3 Committee noted the information given in the agenda
 2.4 Committee noted the information given in the agenda
 2.5 Committee noted the information given in the agenda.
 2.6 Committee noted the information given in the agenda

2.7 Co-option in TED 7

2.7.1 Committee noted the information and mentioned that participation of CFMTTI is vital in the standardization of tyres for agricultural tractor. It requested BIS to do follow up with CFMTTI once again. CIRT was requested to provide the contact detail of concerned person for follow up. For MG Motor, committee mentioned that if nomination is not received from MG Motor by 15 October, their nomination will be dropped from the committee.

2.7.2. Committee noted the information. Further Ms Mukti from SIAM mentioned that she will send the updated nomination shortly. Committee requested BIS to do follow up with the organizations from whom the nominations were awaited.

2.7.2 Following Co-option requests have been received for membership in SC TED 07:

Sl No	Name	Organization	Remark
i)	Kaushal Sharma	Yokohama India Private Limited	Shri Kushal Sharma briefed the co-option request. Committee deliberated and rejected the request. It decided to include Mr Kaushal Sharma (Yokohama India Pvt Ltd) in Panel 1.
ii)	Mohit Agarwal	Continental India Private Limited	Shri Mohit Agarwal briefed the co-option request. Committee deliberated and rejected the request. It decided to include Mr Mohit Agarwal (Continental India Pvt Ltd) in Panel 1.

2.7.4 Committee reviewed the composition and decided to co-opt ASRTU in TED 7 Committee.

2.8 Committee deliberated and modified the panels as follows:

Panel No	Subject/Area	Convenor	Composition
Panel 1	Tyres, Tubes and Flaps	ITTAC	<ul style="list-style-type: none"> Expert from (IRMRA, CIRT, ARAI, ICAT, SIAM, TREA, Michelin) Shri T Chakravarty Mr Kaushal Sharma (Yokohama India) Shri Mohit Agarwal(Continental India Private Limited)
Panel 2	Wheels and Valves (IS 9436, IS 9438, IS 13243)	Convenor: Sunil Bhatambrekar (Kalyani Maxion)	Expert from- SIAM, ARAI, ACMA, ITTAC, Triton valve, Hero Moto corp, ICAT, CIRT, Klassic Wheel, BAL, Minda, Yamaha, Wheels India, TML, SONIL

Panel 3	Wheels [IS 16192 Part 1 to Part 3, IS 10694 Part 1 to 7, Unification of terminologies in wheel standards]	Convenor: Shri V S Khairatkar (ARAI)	Expert from- ARAI, ICAT, CIRT ACMA, SIAM, YAMAHA, HERO, BAL, MAXION, ITTAC
---------	---	--	---

Committee decided to dissolve Panel 4 and Panel 5 and added that based on need, new panel shall be constituted later. It further added that panel convenor may invite other experts depending on the subjects under discussion.

ITEM 3 ACTION ARISING OUT OF THE PREVIOUS MEETING

The summary of actions taken along with the present status on the decisions taken during the last meeting is given below:

Sl. No.	Subject	Decision of the Committee in the last meeting	Present Status	Decision
1)	<p>Amendment 2 in IS 15633: 2022</p> <p>Automotive vehicles - pneumatic tyres for passenger car vehicles - diagonal and radial ply</p>	<p>Status in 42nd Meeting:</p> <p>Panel 1 meeting was held on 29.4.2024.</p> <p>Minutes of the panel meeting has been circulated with panel members. Minutes attached at Annexure 6. (Minutes along with other documents have been circulated through mail dt 9.5.24)</p> <p>However multiple comments/input have been received on Panel minutes.</p> <p>Committee may deliberate.</p> <p>Decision in 42nd Meeting:</p> <p>Panel 1 convenor briefed the panel recommendation and mentioned that in IS 15633, for EMT and HLC- panel has made final recommendation and for other points, further discussion is required.</p> <p>Committee deliberated and accepted panel recommendation for HLC and EMT.</p> <p>It requested ITTAC to provide suitable draft in line with panel discussion for EMT and HLC.</p> <p>Further it decided to issue the draft document into WC of 30 days, after incorporating the agreed comments, once the draft is received from ITTAC.</p> <p>For other points, committee requested Panel to deliberate in detail and provide its final recommendations before the next committee meeting for deliberation.</p>	<p>Draft document was received from ITTAC vide mail dt 9.8.2024. (Attached at Annexure 2) .</p> <p>Based on input received, the draft document was updated to incorporate the decision of the committee taken during 40th meeting.</p> <p>Draft document has been put up into WC for 30 days.</p> <p>Doc No: TED 07 (24494)</p> <p>WC Date: 05.09.2024</p> <p>Other points were discussed in Panel 1 meeting. Minutes of the Panel 1 meeting is attached at Annexure 3.</p> <p>Committee may deliberate</p>	<p>Committee deliberated on comments received as on then date and decided as given in Annexure 1.</p> <p>Further, it requested Panel 1 to update the draft based on accepted comments and submit to BIS.</p> <p>Committee further stated that any comments on draft TED 7 (24494) received during the WC period would be discussed in the Panel 1 meeting. Panel 1 will deliberate on these comments and incorporate the necessary changes into the draft amendment document and submit the updated draft to BIS.</p> <p>Additionally, it also mentioned that the updated draft document from Panel 1 would be re-issued for WC for 30 days, with the approval of Chair.</p> <p>Lastly, it added that if no comments are received during the second WC period, the draft document will be processed for publication with the approval of Chair.</p> <p>For decision of committee on panel recommendation on other comments, please refer Annexure 2.</p>

Sl. No.	Subject	Decision of the Committee in the last meeting	Present Status	Decision
2)	<p>Revision of IS/ISO 14960-2: 2014</p> <p>“Method of Test for Clamp-in Tubeless Tyre Valves</p>	<p>Status in 41st Meeting:</p> <p>Document TED 7 (20722) has been published as IS/ISO 14960-2 : 2014. Committee may please note.</p> <p>Decision in 41st Meeting</p> <p>Committee noted the information. Further it decided to revise IS/ISO 14960- 2 :2014 as ISO 14960-2 has been revised in 2024. It requested BIS to share the National Foreword into wide circulation of 30 days.</p>	<p>National foreword for revision of IS/ISO 14960-2 has been issued into WC.</p> <p>Doc. No: TED 7(25826)</p> <p>WC Date: 23/07/2024</p> <p>No comment is received on draft document.</p> <p>Committee may please deliberate.</p>	<p>Committee deliberated and finalized the document for Publication and authorised BIS to carry out editorial correction, if any.</p>
3)	<p>Comment IS 10694 (Part 1): 2009 AUTOMOTIVE VEHICLES — RIMS — GENERAL REQUIREMENTS</p> <p>Doc: TED 07 (21198)W</p>	<p>Status in 41st Meeting:</p> <p>2nd meeting of Panel 3 was held on 02.01.2024. Minutes of Panel 3 meeting is attached at Annexure 7.</p> <p>Panel urged Maxion to thoroughly examine IS 10694 Part 1 and furnish recommendations, along with updated draft, within a three week timeframe. Updated draft is awaited from Maxion.</p> <p>Committee may please note and deliberate.</p> <p>Decision in 41st Meeting</p> <p>Shri Sunil from Maxion mentioned that he has been working on draft and it will take 2 months’ time.</p> <p>Committee deliberated and requested Shri Sunil to expedite the review and submit it to Panel 3 for further deliberation. Committee deliberated and observed that definition of spoke given in IS 10694 Part 1 is not as per the international references and Industry practice.</p> <p>As IS 10694 Part 1 is referred in various parts of IS 16192 for definition purpose, and its revision may take longer time, committee decided to address the definitions of wired spoke and spoke through amendment 5 in IS 10694-1:</p>	<p>Input received from ARAI was discussed in Panel 3 meeting.</p> <p>Draft document is awaited from MAXION.</p> <p>Subject was allocated to intern Ms Kashis Shareen also., input from Ms Kashis was discussed in Panel 3 meeting.</p> <p>Minutes of Panel 3 meeting is attached at Annexure 4</p> <p>Committee may please deliberate.</p>	<p>Committee deliberated and accepted the Panel 3 recommendation on Ms Kashish input.</p> <p>On bead seat, it checked the T&RA, ITTAC and corresponding ISO standard and agreed with ARAI observation (difference in definitions). It requested ARAI, ITTAC and Maxion to deliberate and include the definitions in the draft considering the Indian Scenario.</p> <p>Committee also accepted the Panel 3 recommendation on Marking clause of IS 10694 Part 1, IS 9436, IS 9438, IS 16192 (Part 1 to 3) and decided to amend these standards and include date of manufacturing as recommended by Panel.</p> <p>Committee requested MAXION to update the draft document for revision of IS 10694 Part 1 and include above decision also and submit to BIS for P Draft circulation of 30 days.</p>

Sl. No.	Subject	Decision of the Committee in the last meeting	Present Status	Decision
		<p>2009. It requested Shri V S Khairatkar (ARAI) to provide the draft document for definition of spoke and wired spoke. Further committee decided to issue the received draft document from Shri V S Khairatkar into WC of 30 days with approval of Chairperson.</p>		
4)	<p>Revision of IS 9081:2017</p> <p>Automotive vehicles – Valves and valve Accessories for pneumatic tyres – Specification (fourth revision) Doc: TED 07 (19611)</p>	<p>Status in 41st Meeting:</p> <p>Updated Draft document TED 7 (19611) was issued into wide circulation for 30 days.</p> <p>WC Date: 04.01.2024</p> <p>Comments received on draft TED 7 (19611) are attached at Annexure 3.</p> <p>Committee may deliberate.</p> <p>Decision in 41st Meeting</p> <p>Shri Bharath from Triton Valve briefed the comments submitted. Committee accepted the comments considering them editorial in nature. It further decided to process the draft document for publication, after incorporating the agreed comments. Committee authorised BIS to carry out editorial correction, if any</p>	<p>Draft document has been processed into Publication.</p> <p>Committee may please note</p>	<p>Committee noted the information.</p>
5)	<p>IS 11031:2023</p> <p>Recommendations for storage and handling of inner tubes, tube valves and flaps for use with Pneumatic tyres for automotive vehicles</p>	<p>Status in 41st Meeting:</p> <p>Panel 1 meeting was held on 20.02.2024.</p> <p>Minutes of Panel 1 meeting is attached at Annexure 4.</p> <p>Committee may please deliberate.</p> <p>Decision in 41st Meeting</p> <p>Panel convenor briefed the panel recommendation. Committee deliberated and requested Shri T Chakravarty to provide the reference for suggested changes.</p>	<p>Sh. T Chakravarty provided the reference document vide mail dt. 04.04.2024, attached at Annexure 5</p> <p>Subject was discussed in panel 1 meeting.</p> <p>Agenda & Minutes of Panel 1 meeting are attached at Annexure 3.</p> <p>Amendment to replace tarpaulin by opaque tarpaulin, may be taken after finalization of Mr T Chakravarty comment(as decided in 40th meeting)</p> <p>Committee may please deliberate.</p>	<p>Shri Niteesh Shukla briefed the panel recommendation.</p> <p>Committee deliberated and decided to process the amendment 1 to replace tarpaulin by opaque tarpaulin, into WC for 30 days.</p> <p>For finalizing the temperature and humidity condition, committee further requested TYRE Industries to share their practice for storage (specially temperature and Humidity condition) with Panel 1.</p>

Sl. No.	Subject	Decision of the Committee in the last meeting	Present Status	Decision
		Further, it requested Panel 1 to deliberate and finalize its recommendation, once the input is received from Shri T Chakravarty.		Committee mentioned and requested Panel to deliberate again in detail referring ISO standard, Industries practices and Tropical condition, and provide its recommendation on Mr T Chakravarty comments before next meeting.
6)	IS 11178:2023 Recommendations for storage and handling of pneumatic tyres for automotive vehicles Doc: TED 07(19696)			
7)	Amendment in IS 13098:2024 Automotive vehicles - Tubes for pneumatic tyres - Specification	<p>In 40th Meeting Committee deliberated and decided that as per clause 6.1 (d) provision is given for marking of either one or both.</p> <p>Committee also requested BIS to expedite the publication of draft (TED/07/19699). For better clarity, it decided to issue draft amendment 1 to IS 13098 (revision document- currently under publication) in WC for 30 days.</p> <p>In 42nd Meeting</p> <p>(i) Input sought from CMD-III on IS 13098: 2012</p> <p>Committee deliberated and mentioned that critical parameters have been addressed suitably in document shared by CMD.</p> <p>(ii) Comment received from CIRT on IS 13098</p> <p>Shri Dahiya from CIRT briefed the comments. Committee deliberated and decided that the agreed comments would be taken as amendment to revised standard (once revision document is published). It authorized BIS to issue the draft document into WC after incorporating the agreed comments (please refer 41st meeting minutes for agreed comment on IS 13098).</p>	<p>IS 13098: 2024 has been published. Committee may please note.</p> <p>Draft amendment 1 as decided during 42nd meeting, has been issued into WC for 30 days.</p> <p>Doc No. TED/07/26243</p> <p>WC Date: 30.7.2024</p> <p>Further comment from BAL was deliberated in Panel 1 meeting.</p> <p>Minutes of Panel 1 meeting is attached at Annexure- 3</p> <p>Committee may please deliberate.</p>	<p>Panel convenor briefed the panel recommendation.</p> <p>Committee deliberated and accepted the panel recommendation.</p> <p>It requested BIS to incorporate the agreed comments and issue the updated draft document into WC for 30 days.</p>

Sl. No.	Subject	Decision of the Committee in the last meeting	Present Status	Decision
		<p>Shri Arvind from BAL mentioned that in the scope of IS 13098, quadricycle is not included, it should also be included. Committee deliberated and requested Panel 1 to deliberate in detail and provide its recommendation for further deliberation.</p>		
8)	<p>Revision of IS 13154:2015</p> <p>Automotive vehicles - Tyres for agricultural tractors, implements and power tillers – Specification (First Revision) Doc: TED 07 (25810)</p>	<p>Status in 41st Meeting:</p> <p>Modified draft document received from ITTAC vide mail dated 08.02.2024, has been circulated with committee members vide mail dated 23.02.2024.</p> <p>Committee may please deliberate.</p> <p>Decision in 41st Meeting</p> <p>Shri Vinay from ITTAC briefed the document and mentioned that draft has been updated as per ITTAC Manual. He further mentioned that G-1 and G-2 are requirement of OEM, its values are updated in ITTAC Manual based on request received from OEM.</p> <p>Committee decided to update G-1 and G-2 values for remaining row once it is updated in ITTAC Manual or request/input received from concerned stakeholders.</p> <p>Further Committee observed that figure given in clause 3.24 of draft, is incorrect. It decided to update the figure as per IS 13154:2015.</p> <p>Committee decided to drop the document TED 07 (19702) from Portal and issue the updated draft document received from ITTAC, after correcting figure (clause 3.24) into wide circulation of 30 days.</p>	<p>Draft document was issued into WC for 30 days.</p> <p>WC Date: 05/06/2024</p> <p>Doc No: TED 7 (25810)</p> <p>Comments received from members are attached at Annexure 6.</p> <p>Committee may please deliberate.</p>	<p>Shri Niteesh Shukla from ITTAC briefed the comments, committee deliberated and accepted the ITTAC Comment on draft document.</p> <p>It requested ITTAC to check the draft once again and send the comment if any within 15 days. It further added that if any additional modification (technical modification) is required, the same can be taken up in Panel 1 and based on Panel 1 recommendation, chairperson approval can be taken for inclusion of comment in the draft.</p> <p>It decided to process the updated draft document as above into WC for 30 days.</p>

Sl. No.	Subject	Decision of the Committee in the last meeting	Present Status	Decision
9)	<p>Amendment to IS 15724: 2006 Automotive tyres – Re-treading procedure – Hot Process</p> <p>Doc: TED 07 (21201)</p>	<p>Status in 41st Meeting: F-Draft is under preparation. Committee may please note it.</p> <p>Decision in 41st Meeting</p> <p>Committee noted the information.</p>	Draft document has been processed into Publication. Committee may please note.	Committee noted the information
10)	<p>IS/ISO 20562: 2014 — Tyre valves – ISO core chambers No. 1, No. 2 and No. 3</p>	<p>Status in 41st Meeting:</p> <p>Input received from Triton Valve vide mail dated 01.12.2023, is as follows: We should be able to close item with ISO after they accept and publish same. Committee may please deliberate.</p> <p>Decision in 41st Meeting</p> <p>Committee decided to re-affirm IS/ISO 20562: 2014.</p>	IS/ISO 20562 has been reaffirmed. Committee may please note	Committee noted the information
11)	<p>Revision of IS/ISO 28580: 2009</p> <p>Passenger Car, Truck and Bus Tyres- Methods of Measuring Rolling Resistance – Single Point Test and Correlation of Measurement Results</p> <p>Doc: TED 07 (19704)</p>	<p>Status in 41st Meeting:</p> <p>Please refer item 1 for comments received on recording of the proceedings of 40th meeting. Further, panel 4 meeting was held on 20.02.2024. Minutes of the panel meeting is attached at Annexure 4.</p> <p>Committee may please deliberate.</p> <p>Decision in 41st Meeting</p> <p>Panel convenor briefed on panel recommendation.</p> <p>Committee deliberated and accepted the panel recommendation to revise IS/ISO 28580:2009 by adopting ISO 28580: 2018 identically.</p> <p>On the necessity of IS/ISO 28580, ITTAC mentioned that both standards</p>	<p>Updated National Foreword is attached at Annexure 7</p> <p>Committee may please decide the further course of action.</p>	<p>Committee deliberated and decided to substitute <i>'This standard (IS/ISO 28580) is a guideline standard and should not be used for regulatory compliance until notified by the authorised agency.</i></p> <p>by</p> <p><i>'This standard (IS/ISO 28580) is to be used for lab testing, alignment exercise and other purpose. It should not be used for regulatory compliance until notified by the authorised agency.</i></p> <p>Further it decided to process the updated National foreword into WC for 30 days.</p>

Sl. No.	Subject	Decision of the Committee in the last meeting	Present Status	Decision
		<p>are very much required, as IS 18258 is in-line with AIS 142 (notified standard under CMVR) and ISO 28580 are used for lab testing, alignment exercise and other purpose. Further, Panel convenor and ITTAC mentioned that in Europe also ISO 28580 and ECE R 117 both co-exist.</p> <p>Committee deliberated and decided to add following clause in National foreword of IS/ISO 28580.</p> <p>This standard (IS/ISO 28580) is a guideline standard and should not be used for regulatory compliance until notified by the authorised agency.</p>		
12)	<p>Amendment in IS 15627</p> <p>Automotive Vehicles - Pneumatic Tyres for Two and Three - Wheeled Motor Vehicles - Specification</p>	<p>42nd Meeting Status</p> <p>Draft document has been processed into Publication. For editorial comment, F-Draft was circulated with committee members. Input received are attached at Annexure 4</p> <p>Input received are attached at Annexure 4</p> <p>Comments from ICAT has been included in F-Draft and it has been processed further. Committee may deliberate</p> <p>Regarding incorporation of Size 120/80R12, as decided by committee in 41st meeting, it will be taken up after publication of Amendment 1. Committee may please note.</p> <p>42nd Meeting Decision</p> <p>Committee accepted the ICAT comment and mentioned that ARAI comments are already addressed in the F-document.</p>	<p>Amendment No. 1 to IS 15627 has been published.</p> <p>Committee may please note.</p> <p>As decided in 42nd Meeting draft amendment 2 to IS 15627 is attached at Annexure 6.</p> <p>Committee may please deliberate.</p>	<p>Committee noted the information about Publication of Amendment 1 to IS 15627.</p> <p>Member secretary added that inadvertently draft is missed in the annexure.</p> <p>Committee requested BIS to share the draft document with committee members for 10 days, for obtaining input.</p> <p>Input received will be incorporated in the draft document and updated draft will be issued into WC for 30 days, with the approval of Chair.</p>

Sl. No.	Subject	Decision of the Committee in the last meeting	Present Status	Decision
		<p>Committee decided to process the document to publication after incorporating the ICAT comment</p> <p>Additionally, while briefing panel 1 meeting minutes, Panel convenor mentioned that for Application category (road or off road or snow), panel has finalized its recommendation</p> <p>Committee deliberated and accepted panel recommendation and decided to address it through Amendment 2 to IS 15627. Draft for amendment 2 may be shared into WC for 30 days (after publication of amendment 1).</p>		
13)	<p>Amendment 1 to IS 15636</p> <p>Automotive vehicles - Pneumatic tyres for commercial vehicles - Diagonal and radial ply</p> <p>TED 7 (21145)</p>	<p>Status in 42nd Meeting:</p> <p>While incorporating the agreed comments in draft, it was observed that</p> <p>One of the agreed comment was – <u>'Underlining is missing for the recommended rim in Table 12...'</u>.</p> <p>It was not clear that what sizes are recommended sizes, so clarity was sought from ITTAC.</p> <p>Input for above, is awaited from ITTAC. However, ITTAC has submitted additional comments that underline is missing for Table 15 and Table 16 also (please refer Annexure 5)</p> <p>Committee may deliberate.</p> <p>Decision in 42nd Meeting</p> <p>Committee deliberated and requested ITTAC to provide the draft for modification required in Table 12, 15, 16 and other table (if any), wherever ITTAC finds it necessary.</p> <p>It decided that once the draft is received from ITTAC, draft document</p>	<p>Draft document was received from ITTAC (attached at Annexure 8) vide mail dated 5.6.2024</p> <p>Further draft document TED 7 (21145) was updated as decided in 42nd Meeting.</p> <p>Updated draft document was issued into WC for 30 days.</p> <p>Doc no: TED/07/21145</p> <p>WC date: 14.6.2024</p> <p>Comments received on WC draft are attached at Annexure 9</p> <p>Committee may please deliberate.</p>	<p>Shri Vinay from ITTAC briefed the comments.</p> <p>Committee deliberated and accepted the ITTAC comments, except the comment (draft document) on MPT.</p> <p>On inclusion of MPT, committee mentioned that for inclusion of MPT category, changes in other clause are also required. ITTAC to review in detail and provide the draft to BIS.</p> <p>Shri Mohit from Continental briefed their comments, committee deliberated and accepted it.</p> <p>Committee requested BIS, to incorporate the accepted comments in the draft and issue it into WC for 30 days.</p>

Sl. No.	Subject	Decision of the Committee in the last meeting	Present Status	Decision
		incorporating the agreed comments to be shared into WC of 30 days.		
14)	<p>Revision of IS 10694(Part 7):1983 General requirements for rims for automotive vehicles Part 7 Industrial truck rims</p>	<p>Status in 40th meeting</p> <p>Panel 2 meetings were held on 28.8.2023 and 19.10.2023.</p> <p>Minutes of the panel 2 meeting is attached at Annexure-5.</p> <p>Committee may please deliberate on panel recommendation.</p> <p>Decision in 40th Meeting</p> <p>Committee deliberated on Panel 2 recommendation and decided that further updation is required in draft document Committee requested panel 3 to deliberate and update the draft document at earliest. Committee decided that once the updated document is received, BIS to process it into WC of 30 days.</p> <p>Status in 41st Meeting:</p> <p>2nd meeting of Panel 3 was held on 02.01.2024. Minutes attached at Annexure 7.</p> <p>Panel urged Wheels India to thoroughly examine IS 10694 Part 7 and furnish recommendations, along with updated draft, within a three week timeframe:</p> <p>Input received from Wheels India, vide mail dated 17.2.2024, is attached at Annexure 6.</p> <p>Committee may please deliberate.</p> <p>Decision in 41st Meeting</p> <p>Shri Felix Prasad from Wheels India briefed the submitted comments. Committee deliberated and requested</p>	<p>Updated draft is not received from Wheels India.</p> <p>However the subject was allocated to intern (Ms Kashish Shareen) also. Input received from intern was discussed in Panel 3 meeting. Minutes of Panel 3 meeting is attached at Annexure 4.</p> <p>Committee may please deliberate.</p>	<p>Committee noted the discussion done by Panel 3.</p> <p>It requested Wheels India to review the standard and submit the report that whether any updation in the standard is required or not, within 30 days. If any updation is required, Wheels India to provide the updated draft for further deliberation in Panel 3 meeting.</p> <p>It added that if any assistance /guidance is required to Wheels India, they can discuss the subject with BIS and Chairperson, for updating the draft</p>

Sl. No.	Subject	Decision of the Committee in the last meeting	Present Status	Decision
		<p>Wheels India to provide the updated draft after detailed review for further deliberation in panel 3.</p> <p>Committee requested Panel 3 to deliberate on draft document, once received from Wheels India and provide its recommendation to the committee.</p>		
15)	IS 15725:2006 Automotive tyres - Tyre curing envelop – Cold process	<p>Status in 41st Meeting:</p> <p>Draft amendment document is under preparation. Committee may please note.</p> <p>Further review report of IS 15523, IS 15524 and IS 15709 has been circulated vide BIS portal. Committee may please deliberate.</p> <p>Additionally, in panel 1 meeting, held on 20.02.2024, standards (IS 15523, IS 15524, IS 15704, IS 15709, IS 15731, IS 15753 & IS 15725) were discussed for updating the referred standards. Minutes of panel 1 meeting attached at Annexure 4.</p> <p>Decision in 41st Meeting</p> <p>Panel 1 convenor briefed the panel recommendation.</p> <p>Committee accepted the recommendation.</p> <p>For ISO 6502 committee requested ITTAC to review and provide the correct reference to update in draft amendment document.</p>	<p>Draft documents for amendment in IS 15523, IS 15704, IS 15709, IS 15731 and IS 15753 have been issued into WC for 30 dates.</p> <p>WC Date: 27/6/2024</p> <p>Doc No: TED/07/26014 (for amendment in IS 15523)</p> <p>Doc No: TED/07/26015 (for amendment in IS 15704)</p> <p>Doc No: TED/07/26017 (for amendment in IS 15709)</p> <p>Doc No: TED/07/26019 (for amendment in IS 15731)</p> <p>Doc No: TED/07/26018 (for amendment in IS 15753)</p> <p>While preparing the draft amendment document, as per agreed comments, for IS 15524, IS 15525, and IS 15780, some observations were made by BIS, which were shared with Panel 1.</p>	<p>Panel convenor deliberated on panel recommendation. Committee deliberated and accepted the recommendation.</p> <p>It requested ITTAC to submit the draft as recommended by Panel, and BIS to update the draft and issue them into WC for 30 days. Draft document for IS 15704 and IS 15725 will not be issued into WC and will be discussed in next meeting, based on recommendation of the panel.</p> <p>It requested Panel 1 to deliberate on Mr T Chakravarty comment on IS 15725 and Michelin comment on TED 7(26015) (attached at Annexure 19 of agenda) and provide its recommendation before next meeting.</p> <p>Committee deliberated and accepted ITTAC Comment (attached at Annexure 19 of agenda)</p>
16)	IS 15523: 2018 Automotive tyres - Precured patches for repairing cross ply/ radial tyres and inner tubes - Specification (First Revision)	<p>Decision in 41st Meeting</p> <p>Panel 1 convenor briefed the panel recommendation.</p> <p>Committee accepted the recommendation.</p> <p>For ISO 6502 committee requested ITTAC to review and provide the correct reference to update in draft amendment document.</p>	<p>Observation on draft document TED/07/26019 was also shared with Panel 1</p> <p>Observations made by Member Secretary were discussed in panel 1 meeting.</p>	<p>It requested Panel 1 to deliberate on Mr T Chakravarty comment on IS 15725 and Michelin comment on TED 7(26015) (attached at Annexure 19 of agenda) and provide its recommendation before next meeting.</p> <p>Committee deliberated and accepted ITTAC Comment (attached at Annexure 19 of agenda)</p>
17)	IS 15524: 2018 Automotive vehicles - Retreading of tyres by the pre - Cured process - Specification (First Revision)	<p>For IS 15704, committee requested Panel 1 to deliberate on Mr T Chakravarty comment and provide its</p>	<p>Observation on draft document TED/07/26019 was also shared with Panel 1</p> <p>Observations made by Member Secretary were discussed in panel 1 meeting.</p>	<p>It further agreed with ITTAC suggestion (to</p>

Sl. No.	Subject	Decision of the Committee in the last meeting	Present Status	Decision
18)	IS 15704: 2018 Automotive vehicles - Retreaded pneumatic tyres for commercial vehicles - Specification (First Revision)	recommendation for further deliberation. For agreed comments/recommendations, Committee decided to issue the updated draft document into Wide circulation of 30 Days.	Comments from Mr T Chakravarty on IS 15725, was discussed in Panel 1 meeting. Agenda and minutes of the Panel 1 meeting are attached at Annexure-3 . Input from ITTAC for reference of ISO 6502, vide mail dt 16.8.2024: <i>following two documents of ISO to be given as reference in IS 15524:2018.</i> <i>ISO 6502 part-1 : Introduction</i> <i>ISO 6502 Part-3 : Rotorless Cure meter</i>	change the reference of ISO 6502). It decided to process the draft document, TED/07/26014, TED/07/26017, and TED/07/26018 into publication. It authorized BIS to carry out editorial correction, if any.
19)	IS 15709: 2018 Automotive vehicles - Retreaded pneumatic tyres for passenger car - Specification (First Revision)			
20)	IS 15731: 2018 Automotive tyres- Selection and Inspection of retreadable tyre casing (First Revision)		Comments received on WC drafts, are attached at Annexure 19 . Committee may please deliberate.	
21)	IS 15753: 2007 Automotive tyres - Tyre curing bladder - Cold process			
22)	IS 15780: 2007 Automotive tyres - Repair of tyres and tubes used on motor vehicles			
23)	IS 15794: 2007 Road hazard impact test for wheel and tyre assemblies (Passenger Cars, Light Trucks And Multipurpose Vehicles)	Status in 41st Meeting: Review report is awaited from Mahindra and Mahindra. Committee may please deliberate. Decision in 41st Meeting Shri Ram Singh from Mahindra briefed the comments and mentioned that the submitted comments are as per Industry practice and editorial in nature.	Draft document has been issued into WC for 30 days. Doc No: TED/07/26231 Date: 25.7.2024 Comments received on draft document are attached at Annexure 18 . Committee may please deliberate.	Panel deliberated and constituted a Working Group (WG1) as follows: Convenor: From Mahindra Experts from: UNO Minda Wheels India ICAT It requested WG1 to deliberate in detail and submit the recommendation within 30 days.

Sl. No.	Subject	Decision of the Committee in the last meeting	Present Status	Decision
		Committee deliberated and decided as given in Annexure-1.		
24)	IS 13444: 1992 Animal drawn vehicles - Pneumatic tyres - Specification	<p>Status in 41st Meeting:</p> <p>Draft document TED (21265) is under publication.</p> <p>Committee may please note.</p> <p>Decision in 41st Meeting</p> <p>Committee noted the information given in the agenda.</p>	<p>TED (21265) has been published as IS 13444: 2024.</p> <p>Committee may please note</p>	Committee noted the information.
25)	IS 10694 (Part 4): 1983 General requirements for rims for automotive vehicles: Part 4 scooter and scooter derivative rims	<p>Status in 41st Meeting:</p> <p>2nd meeting of Panel 3 was held on 02.01.2024. Minutes attached at Annexure 7.</p> <p>Panel urged UNO Minda & Rockman for IS 10694 Part 4, and UNO Minda & Klassic Wheel for IS 10694 Part 5, to thoroughly examine and furnish recommendations, along with updated drafts, within a three week timeframe:</p> <p>Inputs are awaited.</p> <p>Committee may please deliberate.</p> <p>Decision in 41st Meeting</p> <p>Committee deliberated and requested UNO Munda, Rockman and Klassic Wheel to provide the updated drafts after detailed review for further deliberation in panel 3.</p> <p>Committee requested panel 3 to deliberate on draft document, once received from Wheels India and provide its recommendation to the committee.</p>	<p>Draft document is still awaited from Rockman, UNO Minda and Klassic Wheels.</p> <p>The subject was allocated to intern (Ms Kashish Shareen) also. The input received from Intern was discussed in Panel 3 meeting.</p> <p>Minutes of Panel 3 meeting are attached at Annexure 4.</p> <p>Committee may please deliberate</p>	<p>Committee noted the discussion done by Panel 3.</p> <p>It requested ARAI to review the standard and submit the report that whether any updation in the standard is required or not, within 30 days. If any updation is required, ARAI to provide the updated draft for further deliberation in Panel 3 meeting.</p> <p>It added that if any assistance /guidance is required to ARAI, they can discuss the subject with BIS and Chairperson, for updating the draft</p>
26)	IS 9436: 2018 Performance requirements and methods of test for wheels for passenger cars, quadricycles and	<p>Status in 42nd Meeting:</p> <p>F-Drafts were circulated with committee members for editorial comment vide mail dated 1.5.2024</p> <p>Inputs received from Committee members are attached at Annexure 1</p>	<p>Amendment no. 2 to IS 9436 has been published.</p> <p>Committee may please note</p>	Committee noted the information.

Sl. No.	Subject	Decision of the Committee in the last meeting	Present Status	Decision
	mini goods carriers (First Revision)	<p>Committee may please deliberate.</p> <p>Decision in 42nd Meeting</p> <p>Committee deliberated and decided to process the amendment document to publication.</p>		
27)	<p>IS 9438: 2018</p> <p>Performance requirements and methods of tests for wheels/ rims for trucks and buses (First Revision)</p>	<p>Status in 41st Meeting:</p> <p>Draft documents TED 7 (24571) and TED 7 (24612) were issued into Wide circulation for 30 days, for amendment in IS 9436 and IS 9438 respectively.</p> <p>TED 7 (24571) WC Date :05.01.2024</p> <p>Comments on TED 7 (24571):</p> <ul style="list-style-type: none"> • MKA has no comment on draft document TED/7/24571 • MSIL: No comment <p>TED 7 (24612) WC Date : 09.01.2024</p> <p>Comments on TED 7 (24612):</p> <ul style="list-style-type: none"> •MSIL: No comment <p>Regarding possibility of inclusion of note (based on manufacturer declaration) for additional size, recommendation from Panel 2 is awaited.</p> <p>Draft amendment documents and letter (attached at Annexure 19) were sent to DHI. No input/reply is received from DHI.</p> <p>Committee may please note and deliberate.</p> <p>Decision in 41st Meeting</p> <p>Committee deliberated and finalized the draft document for publication. It authorized BIS to carry our editorial correction, if any. Further, it requested panel 2 to deliberate regarding possibility of inclusion of note (based</p>	<p>Amendment no. 2 to IS 9438 has been published.</p> <p>No input is received from SIAM, MSIL and ACMA regarding 17’’ rim size.</p> <p>15’’ will be included through amendment 3 as decided in 42nd meeting.</p> <p>No confirmation is received from ITTAC for 16.5’’ size.</p> <p>No input is received from ITTAC, ACMA and SIAM for ‘HC’ against 17.5’’.</p> <p>Regarding possibility of inclusion of note (based on manufacturer declaration) for additional size, recommendation was discussed in Panel 2 meeting. Minutes of The panel 2 meeting is attached at Annexure 10.</p> <p>Committee may please deliberate.</p>	<p>Committee noted the information.</p> <p>Panel 2 convenor briefed the panel recommendation regarding inclusion of note (based on delcaratio..).</p> <p>Committee deliberated and accepted it.</p>

Sl. No.	Subject	Decision of the Committee in the last meeting	Present Status	Decision
		<p>on manufacturer declaration) for additional size.</p> <p>Status in 42nd Meeting: F-Drafts were circulated with committee members for editorial comment vide mail dated 1.5.2024 Inputs received from Committee members are attached at Annexure 1 Committee may please deliberate</p> <p>Decision in 42nd Meeting Committee deliberated and decided as given in Annexure A. It decided to process the document to publication after incorporating the agreed comments.</p>		
28)	<p>IS 16192 Part 1, IS 16192 Part 2 and IS 16192 Part 3</p>	<p>Status in 41st Meeting:</p> <ul style="list-style-type: none"> IS 16192 Part 1: Draft amendment document, as per agreed comment is under preparation and it will be shared shortly. Committee may please note. Please refer item 5.1. <p>Decision in 41st Meeting</p> <p>It decided to issue the draft amendment documents, for agreed comments, to IS 16192 Part 1 and Part 2, into WC of 30 days.</p> <p>Please refer 5.1 also</p> <p>Status in 42nd Meeting:</p> <p>Please refer 3.1 of 42nd Minutes</p> <p>Decision in 42nd Meeting:</p>	<p>IS 16192 Part 1:</p> <p>Draft amendment document incorporating the agreed comments, for amendment 3 in IS 16192 Part 1 has been issued into WC for 30 days.</p> <p>Doc No.: TED/07/24492</p> <p>WC Date: 30/7/2024</p> <p>Committee may please deliberate.</p> <p>IS 16192 Part 2:</p> <p>Amendment 2 to IS 16192 Part 2 has been published.</p> <p>ICAT comment on clause 3.2.1 was incorporated in the F-draft. Other comments were discussed in Panel 3 meeting. Minutes of the Panel 3 meeting is attached at Annexure 4.</p> <p>Committee may please deliberate.</p> <p>IS 16192 Part 3:</p>	<p>Panel 3 convenor briefed the panel recommendation. Committee deliberated and decided as follows:</p> <p>IS 16192 Part 1</p> <p>Committee requested ICAT to provide the updated draft as suggested by Panel 3, within 30 days.</p> <p>It requested BIS to incorporate other comments also, which are agreed by committee for IS 16192 Part 1, in the draft document (once the draft is received from ICAT) and issue the draft into WC for 30 days.</p> <p>IS 16192 Part 2</p>

Sl. No.	Subject	Decision of the Committee in the last meeting	Present Status	Decision
		Committee deliberated and decided as given in Annexure B of Minutes of 42 nd meeting.	<p>Amendment 2 to IS 16192 Part 3 is under publication.</p> <p>Following Query is received from Publication dept:</p> <p style="text-align: center;"><i>AS per IS 12 (Clause no. 11.2.4) renumbering not allowed.</i></p> <p>Committee may please deliberate.</p>	<p>It accepted the panel recommendation on ICAT Comments.</p> <p>It requested BIS to prepare the draft amendment document, based on all accepted comments (for IS 16192 Part 2) and issue it into WC for 30 days.</p> <p>.</p> <p>IS 16192 Part 3 Committee deliberated and decided to update the draft document for better clarity as well as to maintain the integrity of cross references. It decided to renumber the clause 5 of amendment document as clause 4.3 (and adjust subsequent clauses suitably) and restore the earlier clauses.</p> <p>It further decided to process the draft amendment document to publication after the above corrections.</p>
29)	IS 16192 Part 3	Decision in 41st Meeting Committee deliberated and decided to reaffirm and continue the amendment parallelly	IS 16192 Part 3 has been reaffirmed. Committee may please note it.	Committee noted the information.
30)	IS 12750:1989 ISO 8644 & 8645: 1988 Method of test for light alloy wheels for motorcycles and mopeds	Status in 40th meeting As recommended by TED 7 committee for withdrawal- it will be taken up in TEDC meeting for further deliberation.	The Subject was discussed in 30 th meeting of TEDC. Council Approved the withdrawal of IS 12750: 1989, IS 10694 (Part 8) and IS 13196.	Committee noted the information.
31)	IS 10694 Part 8 AUTOMOTIVE VEHICLES — RIMS — GENERAL REQUIREMENTS PART 8: EARTHMOVING MACHINE RIMS	Decision in 40th meeting: Committee noted the information. Status in 41st Meeting: As recommended by TED 7 committee for withdrawal- it will be taken up in TEDC meeting for further deliberation.	. Committee may please note	

Sl. No.	Subject	Decision of the Committee in the last meeting	Present Status	Decision
		<p>Decision in 41st Meeting</p> <p>Committee noted the information.</p>		
32)	<p>IS 13196: 1991</p> <p>Automotive vehicles — Light alloys wheels for motorcycles — Specification</p>	<p>Status in 41st Meeting:</p> <p>As recommended by TED 7 committee for withdrawal- it will be taken up in TEDC meeting for further deliberation</p> <p>Decision in 41st Meeting</p> <p>Committee noted the information.</p>		
33)	<p>IS 9643: 1980</p> <p>Non-skid type chain assembly for tyres – Single type</p>	<p>Status in 40th meeting:</p> <p>Review was allocated to SIAM. No input was received from SIAM.</p> <p>During the 37th meeting of TED 7, committee reviewed IS 9643: 1980 and decided to reaffirm.</p> <p>Decision in 40th meeting:</p> <p>It decided to reaffirm the standard and archive it.</p> <p>Status in 41st Meeting:</p> <p>Review report was circulated through BIS Portal dated 07.02.2024</p> <p>Committee may deliberate.</p> <p>Decision in 41st Meeting</p> <p>It decided to reaffirm the standard and archive it.</p>	<p>IS 9643 has been reaffirmed and achieved.</p> <p>Committee may please note.</p>	<p>Committee noted the information.</p>
34)	<p>Amendment in IS 18258: 2023</p> <p>Evaluation of Tyres with regard to Rolling Sound Emission and or to adhesion on wet surface and or to Rolling Resistance</p>	<p>Status in 41st Meeting:</p> <p>Draft document[TED 7 (24717)] was issued into Wide circulation for 30 days.</p> <p>WC Date: 25.01.2024</p> <p>Comment received from MSIL(vide BIS Portal), and Mahindra Research Valley (vide mail dated 26.2.24) are attached at Annexure 13.</p>	<p>Panel 4 meeting was held on 28.8.2024.</p> <p>Minutes of Panel 4 is attached at Annexure 11.</p> <p>Committee may please deliberate.</p>	<p>Panel convenor briefed the panel recommendation.</p> <p>Committee deliberated and accepted the panel recommendation.</p> <p>It also deliberated on ARAI Comment on clause B-5.2 (attached at Annexure 3) and accepted it.</p>

Sl. No.	Subject	Decision of the Committee in the last meeting	Present Status	Decision
		<p>Committee may please deliberate.</p> <p>Decision in 41st Meeting</p> <p>Committee deliberated and accepted the comments submitted by MSIL.</p> <p>Ms. Pushpanjali briefed the comments submitted by Mahindra Research valley. Shri V S Khairatkar from ARAI mentioned that formula given in clause B-5.2 in the standard, is incorrect.</p> <p>Committee deliberated on comments. It requested panel 4 to deliberate and provide the draft along with its recommendation for further discussion into committee.</p>		<p>Committee requested BIS to incorporate the accepted change in draft amendment document. Further, it decided to issue the updated draft amendment document into WC for 30 days.</p>
35)	<p>IS 9168: 2018 Automotive vehicle - All rubber flaps for pneumatic tyres - Specification (Second Revision)</p>	<p>42nd Meeting Status: Comments received on IS 9168 are attached at Annexure 12.</p> <p>Committee may deliberate.</p> <p>Decision in 42nd Meeting: Committee deliberated and requested Panel 1 to deliberate in detail and provide its recommendation.</p>	<p>Subject was discussed in Panel 1 meeting dt 18.9.2024.</p> <p>Agenda and Minutes of the Panel meetings are attached at Annexure 3.</p> <p>Committee may please deliberate</p>	<p>Member Secretary informed that minutes of Panel 1 meeting (which was held on 18.9.2024) was circulated with committee members vide mail dt 20.9.2024</p> <p>Panel 1 convenor briefed the panel recommendation.</p> <p>Committee deliberated and accepted the panel recommendation. It decided to issue the draft amendment document into WC for 30 days.</p>
36)	<p>IS 13243 : 2014 Automotive vehicles - Commercial vehicles - Attachments on hubs for wheels - Dimensions (First Revision)</p>	<p>41st Meeting Decision: Committee deliberated and decided to reaffirm and revise the standard, as it is based on ISO 4107: 2010 and ISO 4107 has been revised and published as ISO 4107: 2023. It requested Panel 3 to deliberate and provide the draft for revision for further deliberation in committee meeting.</p>	<p>Subject was deliberated in Panel 3 meeting.</p> <p>Minutes of Panel 3 meeting attached at Annexure 4.</p> <p>Committee may please deliberate.</p>	<p>Committee deliberated and requested Panel 2 to deliberate on review report of ICAT and provide its recommendation before next committee meeting.</p>
37)	<p>CQAV Request for formulation of new standards for storage life of tyre and Service life of tyre</p>	<p>41st meeting Decision: Brigadier Rajiv Chawla from (DGQA- CQAV) requested to specify the requirement of storage life of tyre and Service life of tyre, in existing standard or formulate a new Indian Standard for</p>	<p>Subject was discussed in Panel 1 meeting.</p> <p>Minutes of the Panel 1 meeting is attached at Annexure 3.</p>	<p>Panel 1 convenor briefed the recommendation. Committee deliberated and accepted it.</p>

Sl. No.	Subject	Decision of the Committee in the last meeting	Present Status	Decision
		reference/guide. Committee deliberated and mentioned that rubber has self-deteriorating tendency, and life of tyre depends not only on operating conditions, so generating the limit value or guideline could be difficult. However it requested Panel 1 to deliberate in detail review international reference and practices and provide its input for further discussion.	Committee may please deliberate.	
38)	IS 9453: 2014 Valve caps for tyre tube valves for automotive vehicles - Specification Second Revision	Decision in 41st Meeting: Committee deliberated and decided to reaffirm the given standards.	IS 9453 and IS 12098 have been reaffirmed. Committee may please note.	Committee noted the information.
39)	IS 12098:1987 Rim wheels for pneumatic tyres for animal drawn vehicles – Specification			
40)	IS 10694 Part 2 Automotive vehicles - Rims - General requirements: Part 2 passenger car (Second Revision)	- - - -	IS 10694 Part 2,3,5 and 6 was allocated to intern (Ms Kashish Shareen). Draft documents received from intern is attached at Annexure 12	Committee deliberated and accepted the draft document submitted by Ms Kashish and decided to issue the received draft documents into P Draft circulation for 30 days. It further decided that comments, received if any will be discussed into Panel 3 meeting.
41)	IS 10694 Part 3 Automotive vehicles - Rims - General requirements: Part 3 commercial vehicle rims (Second Revision)			
42)	IS 10694 Part 5 General requirements for rims for automotive vehicles: Part 5 moped, motorcycle and motorcycle derivative rims (First Revision)			
43)	IS 10694 Part 6 Automotive vehicles - Rims – General requirements: Part 6 rims for agricultural			

Sl. No.	Subject	Decision of the Committee in the last meeting	Present Status	Decision
	tractors, tillers and implements (Second Revision)			

ITEM 4 RESEARCH PROJECTS TO BE TAKEN UP

4.1 R&D FOR FORMULATION OF INDIAN STANDARD FOR CONSTRUCTION, MINING OR INDUSTRIAL HANDLING VEHICLES AND MACHINES

Panel convenor mentioned that subject is still under discussion in Panel 1. Committee deliberated and requested panel 1 to deliberate and provide its recommendation.

ITEM 5 COMMENTS/CLARIFICATION REQUEST ON PUBLISHED STANDARDS

5.1 COMMENTS/CLARIFICATIONS ON IS 16192 (PART 1, PART 2, PART 3), IS 9436, & IS 9438

5.1.1 Comment received from CMD on IS 16192 Part 1, Part 2 and Part 3 (regarding change in thickness):
(reference: Please refer ITEM 5.1.1 of 41st meeting minutes)

Committee deliberated and accepted the panel 3 recommendation for IS 16192 (Part 1, Part 2, Part 3), IS 9436 and IS 9438.

5.1.2 Hybrid Wheel Rim (IS 16192 Part 1, IS 16192 Part 2 and IS 16192 Part 3)

(ref: item 5.1.2 of 41st meeting minutes)

Committee deliberated and accepted the panel recommendation for IS 16192 Part 1, Part 2 and Part 3. It requested ICAT to prepare the updated draft document for IS 16192 Part 1 and Part 3 as suggested by Panel and share it with BIS within 30 days. It further requested BIS to update the draft document based on all accepted comments for IS 16192 (Part 1, Part 2 Part 3) in 43rd meeting and issue the draft documents into WC of 30 days.

ACMA requested committee to clarify that who would be responsible for BIS certification. Committee deliberated and requested ACMA to approach CMD for any such clarification.

5.1.3 Wire spoke wheel rim

(reference: Please refer 5.1.5 of 41st meeting minutes)

Committee noted the panel recommendation and mentioned that wheel is a safety item and inclusion of dynamic test in wheel standard will improve the safety. It mentioned that R&D Project may not be required as some test results are already available with testing agencies. It requested ICAT to prepare a separate draft amendment document for inclusion of dynamic test in IS 16192 Part 3, based on Part 1 and Part 2 of IS 16192. It further added that in next meeting, committee will deliberate and decide on need of R&D project for the subject and on draft amendment document, prepared by ICAT.

It requested ICAT to prepare and submit the draft amendment document and ToR within 30 days.

5.1.4 Unification of terminologies used in IS 16192, 9436 and 9438 for wheel rims

(**reference:** Please refer 5.1.6 of 41st meeting minutes)

Shri Sunil from Maxion mentioned that sub-panel has not yet been able to complete the task. Committee deliberated and requested MAXION to submit the recommendation of Sub-panel 2 within 30 days.

It decided that input received from Sub-panel 1 and sub-panel 2 to be discussed in Panel 3 meeting and requested Panel 3 to provide its recommendation at earliest.

5.1.5 Input from CMD wrt WCC in test standards – WCC in IS 9436 includes only CFT test for plant change. CMD requested to remove this requirement from standard.

(**reference:** Please refer 5.1.7 of 41st meeting minutes, 1.2.2 of 42nd meeting minutes)

Shri Rakesh Kumar from CMD mentioned that in BIS certification process, license is based on manufacturing plant location. Representatives from Testing agencies added that certain no of wheels are exempted from QCO and there, presence of this provision is required for type approval. Committee deliberated and mentioned that change in manufacturing plant location, as criteria of extension is need in the standard so it would not be removed. However it requested panel 2 to deliberate and suggest whether to amend the current provision and include both test as criteria or only CFT is sufficient. CMD may continue their existing practice.

5.1.6 Clarification Request Received from Arihant Udyog

(**reference:** Please refer SI No 8 of Item 3 of 41st meeting minutes)

Committee deliberated and agreed with Panel 3 suggestions and recommendations

5.1.7 Comment/Clarification/input received on IS 9436 and review report:

(**reference:** Please refer 4.4 of 42nd meeting minutes)

Panel 2 convenor briefed the panel recommendation. Committee deliberated and accepted the recommendation.

Committee requested BIS to prepare the draft amendment document **based on all accepted comments** for IS 9436. It further decided to issue the draft amendment document into WC for 30 days.

5.1.8 Comment/Clarification/input received on IS 9438 and review report:

(**reference:** Please refer 4.5 of 42nd meeting minutes)

Panel 2 convenor briefed the panel recommendation. Committee deliberated and accepted the recommendation.

Committee requested BIS to prepare the draft amendment **document based on all accepted** comments for IS 9438. It further decided to issue the draft amendment document into WC for 30 days.

5.1.9 Comments received on IS 16192 Part 3 from ICAT

(**reference:** Please refer 4.7 of 42nd meeting minutes)

Panel 3 convenor briefed the panel recommendation. Committee deliberated and accepted the recommendation.

5.2 CLARIFICATION REQUEST RECEIVED FROM MINDA KOSEI ON IS 10694 PART 1

(**reference:** Please refer 5.2 of 41st meeting minutes)

Shri Dushyant from Minda Kosei presented the query and informed the committee that it had originated from MSIL. Shri Sunil from Maxion added that different types of stickers have varying adhesive properties. The committee discussed the matter and requested MSIL to elaborate on the issues they encountered with the current provision given in the standard, at the next meeting

5.3 COMMENT/CLARIFICATION RECEIVED ON IS 15627, IS 15633, & IS 15636

5.3.1 Comment received from TKM on IS 15633

(reference: Please refer 1.1 of 42nd meeting minutes)

Panel 1 convenor briefed the panel recommendation. Chairperson suggested following wording:

Approval of M1 Category tyre can be extended to N1 category of vehicle having same load speed characteristic (of tyre) and it will be responsibility of vehicle manufacturer to ensure suitability of tyre for the loading condition in the field

Committee deliberated and mentioned that both the proposals (panel recommendation and Chairperson proposal) can resolve the issue being faced by stakeholders. It further added that Chairperson proposal can be considered subject to confirmation is received from OEM for acceptance. It added that if the chairperson proposal is not acceptable to OEMs, panel recommendation will be used for amendment in the scope and inclusion of N1 category in IS 15633.

It requested Panel to deliberate and prepare the draft document for required changes in the standard.

5.3.2 Clarification received from FMCD (BIS)-reg HL, and recommended/alternate rim

(reference: Please refer 5.5.3 of 41st meeting minutes)

Committee deliberated and decided as given in SI No 1 of item 3 and Annexure 2.

5.3.3 Comment from Michelin

(reference: Please refer 5.5.5 of 41st meeting minutes)

Committee deliberated and decided as given in Annexure 2

5.3.4 Clarification received from FMCD (BIS) on IS 15636-reg MPT:

(reference: Please refer 4.3 of 42nd meeting minutes)

Panel convenor briefed the panel recommendation and draft document submitted by ITTAC for inclusion of MPT in IS 15636. Committee deliberated and decided to include MPT in IS 15636, however it mentioned that draft prepared by ITTAC for MPT is incomplete. It requested Panel 1 to update draft amendment document for MPT and submit it to BIS before next meeting. Committee deliberated and decided as given in Annexure 2.

5.3.5 Comments from IRMRA on IS 15627, IS 15633, IS 15636

5.3.5.1 Mandatory markings in IS : 15633/15636 standards in comparison with AIS 142

Panel 1 convenor mentioned that IRMRA Comment on Mandatory marking was discussed in Panel 1 meeting and panel will be able to conclude the comment and submit its final recommendation, before the next meeting of TED 7. Committee deliberated and decided as given in Annexure 2

5.3.5.2 Regarding testing of temporary use spare tyre under clause no. 3.33 of amendment 1 of IS 15633:2022.

Panel 1 convenor mentioned that the subject was discussed in Panel 1 meeting and briefed the panel recommendation. Committee deliberated and decided as given in Annexure 2

5.3.5.3 Applicability of clause no. 4.2.5 & 4.2.6 during flat tyre running mode test-IS 15633(test procedure :C3/C4)

Panel 1 convenor mentioned that the subject was discussed in Panel 1 meeting and briefed the panel recommendation. Committee deliberated and decided as given in Annexure 2

5.3.5.4 IRMRA COMMENT ON IS 15627 (vide Mail dt 30.8.2024)

Shri Sachin from IRMRA briefed the comment. Committee deliberated and requested Panel 1 to deliberate in detail and provide its recommendation before next committee meeting.

5.3.6 CLARIFICATION REQUEST FROM MR SATISH KAKKAD AND FMCS

Shri Shivam from FMCS briefed the query. Committee deliberated and requested Panel 1 to deliberate in detail and provide its recommendation before next committee meeting.

5.3.7 CLARIFICATION REQUEST FROM TIWA

Committee deliberated and requested Panel 1 to deliberate in detail and provide its recommendation before next committee meeting.

5.4 COMMENTS RECEIVED FROM MR HIMESH SHAH ON IS 9081

Mr Himesh shah from Sonil briefed the comment. Committee deliberated and mentioned that as IS/ISO 4570 and IS/ISO 20562 are identical adoption of ISO 4570 and ISO 20562, and these standards are already referred in IS 9081. Reproducing the content from IS 9081, will make the standard bulky and its amendment and review could be difficult, thus it did not accept the comment submitted by Mr Himesh Shah.

5.5 Input from 72nd meeting of AISC-Reg IS 15633 and IS 15636

Committee deliberated and mentioned that TKM proposal is under discussion.

ITEM 6 REVIEW OF STANDARDS

6.1 Committee noted the information.

6.2 Committee deliberated and reviewed the standards and decided to reaffirm the standards given in agenda. It further decided to continue the amendment/revision parallelly.

ITEM 7 NEW WORK ITEM PROPOSAL

7.1 PROPOSAL RECEIVED FROM MINISTRY OF COAL (APS-SPPD)

Committee deliberated and mentioned that subject is already under discussion, please refer 4.1.

7.2 REGARDING CODE OF PRACTICE STANDARD ON SUSTAINABLE PRACTICES

Committee deliberated and constituted a Working Group (WG2) as below to deliberate and prepare the draft document for CODE OF PRACTICE STANDARD ON SUSTAINABLE PRACTICES for TYRES.

Convenor: To be nominated by ITTAC

Experts from :

1. ITTAC
2. ARAI
3. TREA
4. Michelin

ITEM 8 ROAD MAP OF STANDARDIZATION WORK OF TED 7

Committee deliberated and decided to take up the subjects later.

ITEM 9 INTERNATIONAL ACTIVITIES

9.1 Committee noted the information given in agenda

9.2 Committee noted the information given in agenda

9.3 Committee noted the information given in agenda

9.4 Committee noted the information given in agenda. It further identified following experts for ISO

ISO Subcommittee	Title	Status	
ISO/TC 22	Road vehicles	P	
ISO/TC 22/SC 19	Wheels	O	
ISO/TC 22/ SC 33	Vehicle dynamics and chassis component	O	
ISO/TC 31	Tyres, Rims and Valves	P	To be nominated by ITTAC
ISO/TC 31/SC 3	Passenger Car Tyres and Rims	P	To be nominated by ITTAC
ISO/TC 31/SC 4	Truck and Bus Tyres and Rims	P	To be nominated by ITTAC
ISO/TC 31/SC 5	Agricultural Tyres and Rims	P	To be nominated by ITTAC
ISO/TC 31/SC 6	Off-the road Tyres and Rims	P	To be nominated by ITTAC
ISO/TC 31/SC 7	Industrial Tyres and Rims	P	To be nominated by ITTAC
ISO/TC 31/SC 8	Aircraft Tyres and Rims	O	-
ISO/TC 31/SC 9	Valves for Tube and Tubeless Tyres	P	Shri Bharat (Triton) and Shri Himesh Shah (Sonil)
ISO/TC 31/SC 10	Cycles, Moped, Motorcycle Tyres and Rims	P	To be nominated by ITTAC

9.5 Committee deliberated and requested Members nominated in WGs to present the status of development happening in ISO, in next committee meeting.

9.6 Committee deliberated and decided to discuss the subject in next committee meeting.

9.7 Committee deliberated and requested member secretary to brief the subject in next committee meeting.

ITEM 10 PROGRAM OF WORK OF TED 07

Committee noted the information given in agenda

ITEM 11 DATE AND PLACE FOR THE NEXT MEETING

Some members requested that in TED 7, critical subjects are under discussion and standards related with Tyres, tubes and rims are under QCO and CMVR, thus TED 7 meeting should be hold for 2 days. It decided that next meeting of TED 7 would be held for 2 days, **preferably in physical mode**. It further added that **mode and venue of next meeting can be decided by BIS in consultation with Chairperson**.

ITEM 12 ANY OTHER BUSINESS

12.1 It was pointed out by some members that some two wheeler EV manufacturers are using non-standard size and profiles rims, which can cause safety concern. Committee took the reference from its 37th meeting and deliberated and mentioned that currently in IS 16192 Part 1 and 2, size and profiles have not been referred. It added that these are critical aspect and should be addressed in the standard suitably. It requested Panel 3 to deliberate and provide a draft document to include these aspects in the standards (IS 16192 Part 1 and Part 2).

12.2 There being no other business, meeting ended with vote of thanks to the Chair

ANNEXURE 1

Comments on TED 07 (24494): Draft Amendment 2 to IS 15633

1. Comments from TKM

Regulation comparison of IS 15633: 2022 Draft Amendment 2 with UNR 30 and IS 15633:2022 till Amendment 1						
Ref. No.	Standard			TKM Proposal		Justification
	UNR 30	Ref. No. IS 15633:2022 and AMENDMENT 1	Ref. No. IS 15633:2022 Draft AMENDMENT 2	Ref. No. IS 15633:2022 Draft AMENDMENT 2	Ref. No. IS 15633:2022 Draft AMENDMENT 2	
	Annex 1	ANNEX J (Clause 6.2.2)	ANNEX J (Clause 6.2.2)	ANNEX J (Clause 6.2.2)	ANNEX J (Clause 6.2.2)	-----
	Communication	INFORMATION TO BE SUBMITTED FOR TYPE APPROVAL OF TYRES	INFORMATION TO BE SUBMITTED FOR TYPE APPROVAL OF TYRES	INFORMATION TO BE SUBMITTED FOR TYPE APPROVAL OF TYRES	INFORMATION TO BE SUBMITTED FOR TYPE APPROVAL OF TYRES	-----
4.2.	Category of use: normal/snow/special use/temporary use	8 Category of use (normal/special/snow/temporary)	8 Category of use (normal/special/snow/ temporary)	8 Category of use (normal/special/snow/ temporary)	8 Category of use (normal/special/snow/ temporary)	Highlighted text" temporary" has been omitted in draft amendment 2 when compared to published IS 15633:2022 standard till amendment 1 and UNR 30. To include Temporary word under Category of use which is inline with UNR-30

Shri Rahul from TKM briefed the comment. Committee deliberated and accepted the comment.

2. Comments from CMD

Comment	Decision
<p>Page 5, Cl. 5.1 (m)- It is now being specified that the letters "HL" in front of the nominal section width in the case of Extra Load tyres is to be marked (Optionally). "Extra Load Tyres" have not been defined in the Standard.</p>	<p>Shri Rakesh from CMD III briefed the comments, he requested committee to clarify whether HL and EXTRA Load tyres are same tyres or different tyres.</p>
<p>Page 9, clause 6.2.5.2 f)- EMT is now being removed from structural classification of Tyres. Specific test procedures and requirements have been specified at Cl. 4.2 and Annex- C. If EMT is another classification of Tyre, the same should be specified in the definition of family of Tyre at Cl. 6.2.5.2. If no separate testing is required for EMT, the same should be specified in the Standard.</p>	<p>Committee deliberated and mentioned that load index of HL tyres are higher than load index of Extra load tyres. This clarity should be provided in the draft amendment document.</p> <p>Committee accepted CMD comment on 6.2.5.2 and decided to modify 6.2.5.2 f) as follows:</p> <p>f) Structure (diagonal or radial or bias belted or run flat); i) whether EMT</p>

ANNEXURE-2

Summary presented by Panel 1 Convenor and Decision Taken by Committee

Meeting Title	Panel 1 Meeting for the review of different IS Standards pertaining to Tyre, Tube & Flap.
Composition of the Panel	As decided in TED 7 meeting (updated during TED 7 meeting)
Details of the held meetings from the last TED-7 meeting	<ul style="list-style-type: none"> ▪ 18.06.2024 ▪ 21.08.2024 ▪ 18.09.2024
Mode	MS Teams/Virtual

S No	Agenda point	Discussion	Recommendation by Panel 1	Committee Decision
Points/subjects concluded in last 03 meetings of Panel 1				
1	1. Bifurcation of definitions of Temporary use spare tyre and T Type Temporary Use Spare tyres.	<p>Background: The existing standard IS 15633:2022 covers only the requirements (including marking) of T Type temporary use spare tyres. ITTAC came up with the proposal to include requirements of temporary use spare tyres in IS 15633:2022 to get it aligned with ECE R 30.</p> <p>Existing clause 5.1 n) to be replaced with following: n) For Temporary use spare tyre and T-type Temporary use spare tyre additional marking of TEMPORARY USE ONLY (The height of upper-case characters shall</p>	<p>Panel agreed with the proposal of ITTAC on following grounds:</p> <ul style="list-style-type: none"> ○ To include the marking requirements for the Temporary-use spare tyre. ○ To inform end users regarding restricted driving condition for additional marked speed on tyres. 	<p>Committee deliberated and accepted the panel recommendations on <i>bifurcation of Temporary use spare tyre and T Type Temporary Use Spare tyres</i>.</p> <p>On marking of additional speed in Km/h, committee added that provision of additional marking as a choice, can create confusion among users. It advised panel to deliberate again and</p>

	<p>2. Marking requirements of Temporary use spare tyre in IS 15633:2022</p> <p>3. Additional speed marking on the side walls of tyres</p> <p>4. Applicability of Endurance test</p>	<p>be at least 12.7 mm high) and manufacturers may mark additional speed in Km/h lower than max speed rating marked on the tyre as recommended by vehicle manufacturer.</p>	<p>Panel noted and agreed to the finalized proposal (on additional speed marking for temporary use spare tyres as under: Manufacturers may mark additional speed in Km/h lower than max speed rating marked on the tyre as recommended by vehicle manufacturer.</p>	<p>to suggest that if this provision can be made as mandatory requirement for all manufacturer.</p> <p>For marking of TEMPORARY USE ONLY it requested Panel to deliberate and provide the draft.</p>
2		<p>Panel 1 discussed & deliberated the below comments of IRMRA.</p> <ol style="list-style-type: none"> 1. For AIS 110, endurance test is not applicable for all types of temporary spare tires. 2. If it is be mandated for subject new category of temporary spare tires in IS: 15633 considering more safety aspect then it should be mandated for all types of temporary spare tires including T type also due to similar intended for use. 	<p>Panel noted and agreed to exclude endurance test of temporary use spare tyres to get IS 15633:2022 aligned with AIS 110.</p>	<p>Committee deliberated and accepted the panel recommendation.</p> <p>It further decided that since marking for temporary tyre to be discussed in next meeting based on panel recommendation, this point will be taken up again for deliberation along with the panel recommendation.</p>
3	<p>MSIL comments on marking requirements of temporary use spare tyres</p>	<p>Panel reviewed the below footnote to take care of OEMs requirements/application In case, tyre is approved as normal tyre and used as temporary use by Vehicle Manufacturers, ‘temporary use only’ marking on tyre is not mandatory. However, the basis application by OEM requirements of AIS 110 shall comply. ITTAC, Test agencies and Mr August Dubey, member secretary, TED-7 were of the opinion that proposed footnote will create confusion and it is not required.</p>	<p>Panel noted and agreed not to include the proposed footnote under the proposed marking requirements of clause 5.1 n for temporary use and T Type Temporary use spare tyres. Panel agreed to the below submissions by Mr Khairatkar, ARAI to take care of OEMs requirements.</p> <ul style="list-style-type: none"> • For the temporary use spare tyres, 	<p>Committee decided that it will deliberate again in next meeting for making of ‘TEMPORARY USE ONLY’ clause as mandatory requirement for category of tyres cited by MSIL, for better understanding of end users.</p> <p>Further it also advised that all other clauses should be studied to make it mandatory.</p>

			<p>mandatory marking requirements of IS 15633:2022 shall comply/will be applicable</p> <ul style="list-style-type: none"> For the normal tyre to be provided as firth tyre (spare tyre), marking requirements of AIS 110 shall comply/will be applicable 	
4	<p>TKM proposal on review of scope of IS 15633:2022. (To include N1 category of vehicles in scope for its alignment with ECE R30</p>	<p>Background: -In the replacement market, to prevent misuse of passenger category tyres in LCV, TED 7 removed the applicability of IS 15633 to N1 category of vehicles from the scope.</p> <p>TKM took this up, since the passenger tyre size fitted world over in both Fortuner and HiLux is no longer permitted for the HiLux as per IS 15633:2022.</p> <p>TKM came up with multiple proposals to permit this application.</p>	<p>The latest TKM proposal was reviewed and found that inclusion of compliance to provisions of AIS 051 (clause 5 & 6) will be sufficient safe-guard in usage of passenger tyres in N1 vehicles.</p> <p>TKM has prepared the draft amendment no o3 to IS 15633:2022 (in consultation with ARAI and ITTAC) as per discussion in last panel 1 meeting, held on 18.09.2024.</p>	Please refer item 5.3.1
5	<p>Comments from FMCS, BIS on use of recommended & alternate rims for tests covered in IS 15633:2022. (Whether any rim</p>	<p>Panel reviewed the below presented comments (received from Mr Vikas Kumar, FMCS, BIS).</p> <p>1. For Load speed performance test, IS 15633 prescribes the following: <i>Mount the tyre on the measuring rim specified by the manufacturer.</i> The manufacturer declares the rim</p>	<p>Panel advised to include the details of rims for both measuring dimension and others tests in the Annex-J (to be submitted by the manufacturers)</p> <p>17. Rim on which tyre can be mounte</p> <p>18. Measuring rim and test rim</p>	Committee accepted the panel recommendation.

	size other than that specified in Annex-J in the measuring rim/test rim can be used for testing.?)	<p>size as per the format in Annex-J.</p> <p>2. For Endurance test, there is no specific rim size mentioned in IS 15633. Whether the test can be carried out on any of the recommended rim size or alternate rim size.</p> <p>ITTAC proposed to maintain the existing status on use of recommended or alternate rims for testing of tyres as per IS 15627, IS 15633 & IS 15636 on following grounds: ‘Bead-unseating and plunger Test to be performed on recommended rim as both tests are dependent on the curvature of tyre’</p>	18. Measuring rim (Tyre dimension-----) and test rim (Plunger, -----, Load speed ---- -Endurance -----, Bead unseating -----)	
6	IRMRA’s comments on applicability of clause no. 4.2.5 & 4.2.6 of IS 15633:2022 during flat tyre running mode test (test procedure: C3/C4	Panel reviewed IRMRA’s comments on applicability of clause no 4.2.5 & 4.2.6 of amendment no 01 to IS 15633:2022 for the 2 nd load speed test for Run flat and EMT tyres.	Panel noted and agreed with the observation by IRMRA and advised to exclude the Clauses 4.2.5 and 4.2.6 (<i>required for 2nd load speed test for run flat and EMT</i>) from amendment no 01 to IS 15633:2002	<p>Committee deliberated and mentioned that picture submitted by IRMRA shows layer separation on inner side of tyre, it appears ok to consider as pass, however opinion of experts from testing agencies and manufacturers to confirm the same.</p> <p>Director ITTAC agreed to provide further inputs to panel in this regard.</p> <p>Based on above, panel 1 to deliberate and submit the final recommendation to the committee.</p>
7	ITTAC comments on amendment no	Tread wear indicators marking covered under 5.1(k) should be also excluded from the items to be	Panel noted and agreed to observation made by ITTAC.	Committee accepted the panel recommendation.

	01 IS 15636:2022 for tread wear indicator markings.	marked in the lower area of the tyre to get aligned as per IS 15633:2022.	Panel advised ITTAC to share the draft document with Mr August Dubey for the needful at his end.	
8	ITTAC comments on amendment no 01 IS 15633:2022 for the editorial correction on load for tyre size 235/55 R17	For the tyre size 235/55 R17, covered under Table 14, Page no 14, row (x), existing Std. load (95) and Reinf. Load (99) to be replaced with 99 and 103 respectively.	Panel noted and agreed to observation made by ITTAC. Panel advised Mr August Dubey; member secretary do the needful at his end.	Committee accepted the panel recommendation.
9	Review of Table 07 and Table 08 of IS 15633:2022 for EMT and Run flat tyres.	ITTAC presented below: 5 th tyre shall be required, if the speed is more than 300 km/h or for run flat or EMT tyres with speed less than or equal to 300 Km/h. 6 th tyre shall be required, if the tyre is Run flat or EMT with speed greater than 300 km/h.	Panel noted and agreed to the proposal of ITTAC for Table 07 and Table no 08 of amendment no 01 to IS 15633:2022. Panel advised ITTAC to share the draft document with TED-7 for the needful.	Committee accepted the panel recommendation.
10	CIRT & HASETRI comments on IS 9168.	Panel reviewed the below comments from CIRT & HASETRI on IS 9168. Clause 5.2 of IS 9168 stipulates testing of hardness (Shore A) of the flap. Clause 5.2 of IS 9168 refers IS 3400 Part 2, which is applicable for the determination of hardness (Hardness between 10 IRHD and 100 IRHD) not for the Shore A Hardness. The correct test method is IS 3400 Part 2/Section 4, which is dual numbered with ISO 48, Part 4	Panel noted and agreed to the comments of CIRT and HASTERI on IS 9168. The existing referred standard IS 3400 part 2 for shore A hardness test to be replaced with IS 3400 Part 2/Section 4 Panel advised member secretary, TED-7 to take a note of it and do the needful at his end.	Please refer SI No 35 of Item 3
11	ITTAC comments on the published WC document -draft amendment no 01 to IS 13098:2024	Panel reviewed the below comments of ITTAC on the on the published WC document -draft amendment no 01 to IS 13098:2024. <i>Multiplication with 100 is missing for calculating percentage change</i>	Panel noted and agreed to the comments of ITTAC. Panel advised member secretary, TED-7 to	Please refer SI No 7 of Item 3

		<p><i>in Set under tension after heat aging.</i></p> <p>Set after ageing [%] =</p> $\frac{Lf[mm]-Li[mm]}{Li[mm]} \times 100$ <p><i>Lf: Final length. Li: Initial length</i></p>	take a note of it and do the needful at his end.	
12	Michelin comments on max inflation pressure marking for T type temporary use spare tyres in IS 15633:2022	<p>Michelin presented to panel regarding the max inflation pressure marking on tyres for T Type temporary use spare tyres, submitted to IRMRA for testing against its export requirements.</p> <p>Panel reviewed the referred FMVSS standard by Michelin on marking requirements of max inflation pressure on tyres and found that standard states that Inflate to 420 Kpa to be marked on the sidewall of tyres under mandatory marking requirements.</p> <p>Marking of max inflation pressure as 420 Kpa contradicts the requirements of max inflation pressure as 350 kpa as specified under foot note of 5.1 g of IS 15633:2022</p> <p>Vehicle. However it shall not exceed the max inflation pressure specified which 350 kPa</p>	Panel noted and advised to maintain the existing status of marking requirements of pressure for T Type temporary use spare tyres, addressed in IS 15633:2022 (with latest amendment)	<p>Committee accepted the panel recommendation of not making any change.</p> <p>However chairperson was of the opinion that this point should be relooked and there should not be any interpretational ambiguity in the standard.</p>
13	Comments from Michelin on IS 15636:2022	Panel reviewed the presented ECE R 54 document (Series 00, Supplement 26) by Mr Aashish from Michelin on category of use	<p>Panel noted and agreed to consider the proposed changes: "For the tyres belonging to the category of use "special use tyre" may bear the inscription M+S or M.S or M&S) to <u>align IS 15636 with ECE R 54.</u></p> <p>Panel advised ITTAC/Michelin to share the draft document with Mr August Dubey for the needful at his end.</p>	Committee accepted the panel recommendation.

14	Use of recommended or alternate rims for testing of tyres as per IS 15627:2022, IS 15633:2022 & IS 15636:2022.	ITTAC proposed to maintain the existing status on use of recommended or alternate rims for testing of tyres as per IS 15627, IS 15633 & IS 15636 on following grounds: “Bead-unseating and plunger Test to be performed on recommended rim as both tests are dependent on the curvature of tyre”	Panel noted and agreed to ITTAC proposal for maintaining the existing status on use of recommended or alternate rims for testing of tyres as per IS 15627, IS 15633 & IS 15636. Panel advised Mr August Dubey, member secretary, TED-7 to forward the minutes of 18 th June 24 meeting to FMCD enabling them to clear the pending tyre approvals on this subject.	Please refer SI no 5 of Annexure 2
15	BIS comments/observation on reviewed Re-treading Standards, IS 15731, IS 15524, IS 15780 & IS 15725.	Director, ITTAC presented the remarks of Mr August Dubey, TED-7 on reviewed re-treading IS Standards (IS 15731, IS 15524, IS 15780 & IS 1725) and ITTAC comments on the remarks made by Mr August.	Panel noted and agreed with the ITTAC comments on remarks of Mr August Dubey on the reviewed re-treading IS Standards (IS 15731, IS 15524, IS 15780 & IS 1725) On request of Mr August Dubey, Panel advised ITTAC to provide the draft document against each reviewed Standards to TED-7 for the needful.	Committee accepted the panel recommendation.
16	Clarification received from FMCD (BIS) on IS 15636: MPT category of tyres.	Panel discussed the received clarification from FMCD and TED - 7 committee advised for inclusion of MPT tyres in IS 15636:2022. ITTAC proposed, in line with ECE R54, MPT category of tyres can be included in IS 15636:2022.	Panel agreed to ITTAC proposal for inclusion of MPT category of tyres in IS 15636 to align with ECE R54. Panel advised ITTAC to share the draft document with Mr August Dubey for the needful at his end.	Please refer item 5.3.4

17	Introduction of HLC (High Load Capacity) tyres in IS 15633:2022	Panel reviewed and agreed to include HLC (High Load Capacity) tyres in IS 15633:2022. ITTAC to provide the details.	Introduction of HLC (High Load Capacity) tyres in IS 15633:2022	Please refer SI 1 of item 3.
18	Comments from Michelin on IS 15633:2022			Committee accepted the panel recommendation. Ok/Agreed Panel 1 provide wording address the clause.
Clause 5.1/ Page 8	Marking requirements of Run flat and EMT	According to IS 15633:2022 Amendment 1, (Page 8, clause 5.1) — Insert the following after 5.1(c)(4): 5) On run flat tyres the letter 'F' placed in front of the rim diameter marking.'	Align the marking requirement with R30 (Series 02, Supplement 25), Clause 2.25.3.5. on run flat or self-supporting tyres, the letters "RF" placed in front of the rim diameter marking (for example, "235/45 RF 17").	To Align the marking requirement with ECE R30
<u>Points/subjects under discussion:</u>				
(1)	Formulation of Standard for the Off-road tyres	Mr Niteesh K Shukla, Dir, ITTAC informed panel that, ITTAC is collecting the information/details from its members to prepare a draft document/proposal	Panel noted and advised ITTAC come out with the draft proposal for its discussion in next meeting.	Please refer item 4.
(2)	Aligning marking requirements of IS 15633 & 15636 with AIS 142.	Convener explained that panel needs to review only the key marking required such as <ul style="list-style-type: none"> o The "Alpine" symbol for snow tyre for use in severe snow conditions" MPT" (or alternatively "ML" or "ET"), POR" tyres.	Panel noted and agreed to discuss and finalize the required marking requirements of AIS 142 with IS 15633 & IS 15636 in next meeting. Panel advised ITTAC, IRMRA and ARAI to review the document and share their comments for its discussion in next meeting.	Committee deliberated and requested Panel 1 to deliberate in detail and provide its recommendation.

(3)	Review of Mr T Chakravarty comments storage and handling of tyres.	Panel noted the comments of Mr T Chakravarty on handling and storage of tyres and was of opinion that comments should be reviewed against the quoted/referred standard (ISO 2230).	Panel advised Mr August Dubey to provide the said ISO standard for the review of comments of Mr T Chakravarty.	Please refer SI No 5 and 6 of Item 3.
-----	--	--	--	---------------------------------------

Committee requested Panel 1 and members to provide the draft as discussed in Panel 1 meeting, for necessary action by BIS.

Annexure 3

ARAI Comment on IS 18258

Standard: **IS 18258 : 2023**

TED: Automotive Tyres, Tubes and Rims Sectional Committee, **TED 07**

Sr No	Clause description	ARAI comment	Remarks / justification
i)	<p>B-5.2 Regression Analysis of Rolling Sound Measurements</p> <p>The tyre-road rolling sound level L_R in dB(A) is determined by a regression analysis according to:</p> $L_R = \bar{L} - a \cdot \bar{v}$ <p>where</p> <p>\bar{L} is the mean value of the rolling sound levels L_i, measured in dB(A):</p> $\bar{L} = \frac{1}{n} \sum_{i=1}^n L_i$ <p>n is the measurement number ($n \geq 10$);</p> <p>\bar{v} is the mean value of logarithms of speeds v_i:</p> $\bar{v} = \frac{1}{n} \sum_{i=1}^n v_i \text{ with } v_i = \lg \frac{v_i}{v_{ref}}$ <p>a is the slope of the regression line in dB(A):</p> $a = \frac{\sum_{i=1}^n (v_i - \bar{v})(L_i - \bar{L})}{\sum_{i=1}^n (v_i - \bar{v})^2}$	<p>Formula for “a” to be corrected as below:</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> $a = \frac{\sum_{i=1}^n (v_i - \bar{v})(L_i - \bar{L})}{\sum_{i=1}^n (v_i - \bar{v})^2}$ </div>	<p>Slope Formula is having Typo error, square is missing in denominator.</p> <p>Formula to be corrected in line with UN ECE R 117 & AIS 142.</p>

Annexure 4
List of Participants

Sl. No.	NAME OF MEMBER	NAME OF ORGANIZATION	ATTENDEE EMAIL
1)	Shri D P Saste (Chairman) [Physically Present]	In Individual Capacity	sastedp@gmail.com
2)	Shri V S Khairatkar	Automotive Research Association of India, Pune	khairatkar.shl@araiindia.com
3)	Shri Sanjay Tank	Automotive Component Manufactures Association of India, New Delhi	sanjay.tank@acma.in
4)	Shri R.R.K. Kishore (invitee)	Association of State Road Transport Undertakings, New Delhi	dt.asrtu@gmail.com
5)	Shri Faustino V	Ashok Leyland Limited, Chennai	faustino.v@ashokleyland.com
6)	Shri Sudershan Singh Gusain [Physically Present]	Automotive Tyres Manufacturers Association, New Delhi	s-gusain@bridgestone.co.in
7)	Shri Eric De Reuben	Automotive Tyres Manufacturers Association, New Delhi	eric.reuben@mrfmail.com
8)	Shri Bijo Varkey	Automotive Tyres Manufacturers Association, New Delhi	bijo.varkey@mrfmail.com
9)	Shri Rajiv Budhraj	Automotive Tyres Manufacturers Association, New Delhi	rajiv@atmaindia.org.in
10)	Shri Parmeshwar Mane	Bajaj Auto Limited, Pune	pjmane@bajajauto.co.in
11)	<u>Shri Rakesh Kumar</u> [Physically Present]	CMD- III, BIS	nitishverma@bis.gov.in
12)	Shri Shivam Aggarwal	FMCD, BIS	shivam.aggarwal@bis.gov.in
13)	<u>Shri Farukh S Makhdoom</u> [Physically Present]	Central Institute of Road Transport, Pune	headed2@cirtindia.com
14)	<u>Shri Prakash Dahiya</u>	Central Institute of Road Transport, Pune	polymerlab@cirtindia.com
15)	Shri Sanjay B Salunkhe	Central Institute of Road Transport, Pune	tyrelab@cirtindia.com
16)	<u>Shri Mohit Agarwal</u> (invitee)	<u>Continental Tyres</u>	<u>mohit.agarwal@conti.in</u>
17)	Dr. Rajkumar	Department for Promotion of Industry and Internal Trade, New Delhi	rk@irmra.org
18)	Shri Piyush Chowdhry	Hero Motocorp Limited, New Delhi	piyush.chowdhry@heromotocorp.com
19)	Shri Eshan Gupta	Hero Motocorp Limited, New Delhi	eshan.gupta@heromotocorp.com
20)	Shri Arpan Shukla	Honda Motorcycle and Scooter India	arpan.shukla@honda2wheelersindia.com
21)	Ms. Neha Sinha	Honda Motorcycle and Scooter India	neha.sinha@honda2wheelerindia.com

Sl. No.	NAME OF MEMBER	NAME OF ORGANIZATION	ATTENDEE EMAIL
22)	Ms. Neha Gaba	Honda Cars India Research and Development Limited, Noida	ngaba@hondacarindia.com
23)	<u>Shri Vishal Khare</u>	Honda Cars India Research and Development Limited, Noida	vkhare@hondacarindia.com
24)	Shri Hemant Parkhi	Minda Kosei Aluminum Wheels Pvt. Ltd, Bawal	hparkhi@unominda.com
25)	Shri Dushyant Chauhan	Minda Kosei Aluminum Wheels Pvt. Ltd, Bawal	dchauhan@unominda.com
26)	Ms. Pushpanjali Pathak	Mahindra and Mahindra Limited, Mumbai	23138754@mahindra.com
27)	Shri Amit Patil	Mahindra Truck and Bus Division	patil.amit20@mahindra.com
28)	Shri Ashish Agrawal [Physically Present]	Michelin India Private Limited, Pune	bis.india@michelin.com
29)	Shri S. P. Singh [Physically Present]	Indian Foundation of Transport Research and Training, New Delhi	sps@iftrt.org
30)	Shri Raj Kumar	International Centre for Automotive Technology, Manesar (ICAT)	rajkumar.singh@icat.in
31)	Shri Manish Chauhan	International Centre for Automotive Technology, Manesar (ICAT)	manish.chauhan@icat.in
32)	Shri Jayant Raj	International Centre for Automotive Technology, Manesar (ICAT)	jayant.raj@icat.in
33)	Shri Jatin Wadhwa	International Centre for Automotive Technology, Manesar (ICAT)	jatin.wadhwa@icat.in
34)	Shri Harish Joshi	International Centre for Automotive Technology, Manesar (ICAT)	harish.joshi@icat.in
35)	Shri Mukund Mishra	International Centre for Automotive Technology, Manesar (ICAT)	mukund.mishra@icat.in
36)	Shri T Chakravarty	<u>Panel 1 member</u>	tchakravarty05@gmail.com
37)	Shri Sachin Barve	Indian Rubber Manufacturers Research Association, Thane	sb@irmra.org
38)	<u>Shri Mohit Kansal</u>	<u>India Yamaha Motor Private Limited, Noida</u>	<u>mkansal@yamaha-motor-india.com</u>
39)	<u>Shri Niteesh Shukla</u> [Physically Present]	<u>Indian Tyre Technical Advisory Committee, New Delhi (ITTAC)</u>	<u>(director-ittac@atmaindia.org.in)</u>
40)	<u>Shri Vinay Vijayvargia</u> [Physically Present]	<u>Indian Tyre Technical Advisory Committee, New Delhi (ITTAC)</u>	<u>Vinay-ittac@atmaindia.org.in</u>
41)	Shri Sidney Jose	<u>Indian Tyre Technical Advisory Committee, New Delhi (ITTAC)</u>	sidney.joes@jkmil.com
42)	Shri Kartik Shah	<u>Indian Tyre Technical Advisory Committee, New Delhi (ITTAC)</u>	kartik@jkmil.com
43)	Shri Sunil Bhatambrekar [Physically Present]	Kalyani Maxion Wheels Chakan, Pune	sunil.bhatambrekar@maxionwheels.com

Sl. No.	NAME OF MEMBER	NAME OF ORGANIZATION	ATTENDEE EMAIL
44)	Shri Mayank Sharma [Physically Present]	Maruti Suzuki India Limited, Gurugram	mayank.sharma5@maruti.co.in
45)	Shri C V Girish Chandh	Renault Nissan Technology and Business Centre India Private Limited, Chennai	chakirala.venkata-girish-chandh@rntbci.com
46)	Shri Vivekraj S	Renault Nissan Technology and Business Centre India Private Limited, Chennai	vivekraj.selvarathinam@rntbci.com
47)	Shri Sabarivasan K N	Renault India Private Limited, Mumbai	sabarivasan.nedunchezhian@rntbci.com
48)	Shri Himesh Shah [Physically Present]	Sonil Ventilfabrik, Jamnagar	himesh@sonil.co.in
49)	Shri Maulik Shah	Sonil Ventilfabrik, Jamnagar	maulik@sonil.co.in
50)	Ms. Mukti Prasad (invitee)	Society of Indian Automobile Manufacturers (SIAM)	mukti@siam.in
51)	Ms. Saily Smarth	Skoda Auto Volkswagen India Private Limited	saily.smarth2@skoda-vw.co.in
52)	Shri Vimal P Anand	Steel Strips Wheel Limited, Chandigarh	vimalpanand@sswllindia.com
53)	Shri Ramkrishna Ahire	Suzuki Motorcycle India Private Limited, Gurugram	ahire.ramakrishna@suzukimotorcycle.in
54)	Shri Avinash Khot	Suzuki Motorcycle India Private Limited, Gurugram	khot.avinash@suzukimotorcycle.in
55)	Shri Pataloba Nagane	Tata Motors Limited, Pune	p.nagane@tatamotors.com
56)	Shri Bharath Chandrashekar	Triton Valves Limited, Bengaluru	bharath.chandrashekar@tritonvalves.com
57)	Shri Pradeep Shinde	Tractor and Mechanization Association, New Delhi	shinde.pradeep@mahindra.com
58)	Shri Rahul A. [Physically Present]	Toyota Kirloskar Motor Private Limited, Bidadi	pr_rahula@toyota-kirloskar.co.in
59)	Shri Rahul Saxena [Physically Present]	Tyre Retreading Education Association (TREA), Mumbai	rahulsaxena@indagrubber.com
60)	Shri Guru Rajan	TVS Motor Company Limited, Hosur	guru.rajan@tvsmotor.com
61)	Shri Winney	TVS Motor Company Limited, Hosur	m.winney@tvsmotor.com
62)	Shri Nithin Roy	Volvo Trucks, VE Commercial Vehicles Limited, Bengaluru	nroy10@volvo.in
63)	Shri Srinath Srinivasan	Wheels India Limited	srinath_s@wheelsindia.com
64)	Shri Senthil Kumar	Wheels India Limited	pdsenthil@wheelsindia.com
65)	Shri Kaushal Sharma (invitee)	Yokohama India Pvt Ltd	kaushal.sharma@yokohama-india.com
66)	Shri Manoj Philip		manoj.phlp@gmail.com

