

**BUREAU OF INDIAN STANDARDS**

**AGENDA**

Name of the Committee	No. of Meeting	Date and Time	Day	Meeting
Automotive Tyres, Tubes and Rims Sectional Committee, TED 7	Forty-First (41 <sup>st</sup> )	4 <sup>th</sup> March 2024 (10:30 AM onward)	Monday	<a href="#">CLICK HERE TO JOIN</a>

**CHAIRMAN:** Sh. D.P. Saste

**MEMBER SECRETARY:** August Dubey

**VICE CHAIRMAN:** Sh. V.K. Mishra.

**HEAD TED :** Sh. R. R. Singh

**ITEM 0 WELCOME AND INTRODUCTORY REMARKS**

**ITEM 1 CONFIRMATION OF THE MINUTES OF PREVIOUS MEETING**

The minutes of the 40<sup>th</sup> meeting of Automotive Tyres, Tubes and Rims Sectional Committee, TED 7 held in Hybrid mode (BIS HQ+Virtual) on 01.12.2023 was circulated vide BIS Portal dated 29.12.2023. Members were requested to send their comments on recording of the proceeding at earliest. Comments received on minutes of the meeting are as follows:

ITEM	Comment	Comment submitted by
SI 14 of item 3	<p>Committee deliberated the subject and requested ITTAC to review the received comments from <b>Mr Khairatkar, ARAI</b> (through mail dt 06.09.2023) and advised the constituted <b>panel 4</b> (having expert from <b>ITTAC, ICAT, ACMA, SIAM, CIRT</b>) under convenorship of Mr Khairatkar, ARAI to discuss the subject and provide its recommendation to the TED 7 committee for its discussion in next meeting.</p> <p><b>There was no discussion on adoption of IS 18258 for the rolling resistance test and withdrawal/revision of IS/ISO 28580.</b></p> <p>Please note that IS/ISO 28580 standard is globally ( including India) used for the rolling resistance test, and its already adopted by IS, so, it is advisable not to withdraw this standard., Nevertheless, In Panel 4 will discuss this subject and come up with their recommendation/proposal.</p> <p><b>Remarks by Shri Khairatkar (ARAI):</b> I agree with ITTAC for ISO 28580 scope of agenda point.</p> <p>As elaborated by Mr. Shukla, Scope of panel and discussion to my understanding is to modify and adopt iso 28580 new version only.</p> <p>Adopting iso 28580 as it is will not be aligned to existing Indian requirements. Hence modification and adoption of ISO is proposed.</p>	Shri Niteesh K Shukla- Director ITTAC

Committee may please deliberate on comments received and finalize the minutes of 40<sup>th</sup> meeting of TED 7.

## **ITEM 2 COMPOSITION OF THE SECTIONAL COMMITTEE**

**2.1** The following directions have been received from the Competent Authority of the Bureau for reviewing the composition of the Sectional Committee:

- i) Major Government purchasing organizations like DGS&D, RDSO, CPWD, Defence etc are to be given representation in the committees wherever applicable.
- ii) Examine the justification and need for continuation of a member in an individual capacity who is continuing for more than six years in a sectional committee.
- iii) New members are to be co-opted who are expected to contribute in emerging new technology.
- iv) In case representative of the concerned organization is not attending the meeting regularly or not continuing even by correspondences, the organization may be informed for substituting their member.
- v) Members who are represented in individual capacity, the continuation of their membership is to be considered on the basis of their past attendance and contribution.
- vi) Efforts should be made to include representative of different product segments as per the scope of the committee.
- vii) Increased involvement of premier institutions like IIT, CSIR labs, IISc and other R & D organizations to be worked out.

The committee may please note.

**2.2** As a matter of policy, composition of Sectional Committees is to be reviewed to replace the persons who are continuing for longer periods, to co-opt the members/organizations which are capable of contributing in emerging new technologies and new areas of work and strength of the manufacturers should be restricted to 1/3 of the total strength of the Technical Committees.

The committee may please note.

**2.3** The present composition of Automotive Tyres, Tubes and Rims Sectional Committee, TED 7 is given in **Annexure 1**.

The list shows the attendance of the members in the last three consecutive meetings and also their status as manufacturer, consumer, R&D etc. The representation of members who have not attended the last 3 meetings of the sectional committee is to be reviewed as per guidelines.

It may be noted that as a matter of policy of standard formulation, in the composition of all committees, efforts shall be made to keep the strength of committee optimum. New members may be co-opted where necessary and minimum 2/3<sup>rd</sup> strength should be taken from non-industrial organizations. NGOs where ever possible should also be co-opted. Based on these guidelines, and also considering the interest shown by member organizations in the committee the committee may review its composition. The committee can decide co-option of any more organizations whose inclusion will be helpful in the committee's work and also propose whose representation should be withdrawn.

**2.4** Effort should be made to include young professionals and Scientists in the Committee.

**2.5** The Committee may suggest means for identification and involvement of talent available in the country related to the subject dealt by the committee and methodology to involve them in the proceedings of the Committee. The Committee may also suggest means and ways to enhance the participation of the members in Committee work through participation in the meeting or sending comments on the documents.

In view of above, the committee may deliberate and decide on further continuation/ deletion of representation of these organizations.

**2.6** It has been directed by BIS top management that members who are not actively participating in the Sectional Committee work, either through participating in the meetings or through providing technical inputs should be replaced by suitable members.

The Committee may deliberate on the same and recommend accordingly.

**2.7 PNC Guideline:**

Committee may please note the direction given by PNC09/18/2023-PNC-BIS dated 05/09/2023 .The same has been circulated to committee members vide mail dated 20.11.2023.  
The committee may please note.

**2.8Co-option:**

- 2.8.1 Nomination from GARC is received vide mail dated 1.8.2023. Committee may please note.
- 2.8.2 Further, as discussed in 40<sup>th</sup> meeting of TED 7, CFMTI and MG Motor were again requested vide mail dated 14.02.2024, However reply is awaited. Committee may please deliberate.
- 2.8.3 In 40<sup>th</sup> meeting, committee requested ITTAC to suggest one or two more valve manufacturers who can be co-opted in the committee. Input from ITTAC is awaited.

**2.8.4 Request received:** Following Co-option requests have been received.

Sl No.	Organization	Request by	Remarks
1)	TVS Motor	Shri Winney K Mathews Shri S Gururajan	
2)	In personal Capacity	Shri N. D. Deshmukh	
3)	Michelin India Private Limited	Shri Ashish Agrawal	
4)	Honda Motorcycle and Scooter India Private Limited, Gurgaon	Shri Vipin Sharma Shri Arpan Shukla	

Committee may please deliberate.

**2.8.5 Shri Rahul Saxena (from TREA) vide mail dated 18.01.2024 recommended to add following nomination under individual Organizations and under Umbrella of TREA.**

1. Mr. Ravi Bhalla – Deputy General Manager -STU ,INDAG RUBBER LIMITED New Delhi.
2. Mr. Amlesh Roy - Sr. Vice President (QC) Unipatch rubber Limited (Omni Brand repair Patch & Repair accessories Manufacturer).

Committee may please deliberate.

**2.9 Panels constituted by TED 7 committee:**

Panel No	Subject/Area	Convenor	Composition	Remarks
Panel 1	Tyres and Tubes	ITTAC	Expert from-IRMRA, CIRT, ARAI, ICAT, SIAM, TREA, and Shri T Chakravarty	
Panel 2	Rims and valves	Convenor: ARAI Chair: Sh. Sunil Bhatambrekar (Kalyani Maxion)	Expert from-SIAM, ARAI, ACMA, ITTAC, Triton valve, Hero Moto corp, ICAT, CIRT, Klassic Wheel, BAL, Minda, Yamaha, Wheels India,	
Panel 3	IS 16192 Part 1, Part 2, Part 3 and IS 10694 Part 1,4,5,and 7	Convenor: ARAI Chair: Shri D P Saste	Expert from-ARAI, ICAT, CIRT ACMA, SIAM, YAMAHA, HERO, BAL, MAXION, ITTAC	
Panel 4	Rolling Resistance-	Shri V S Khairatkar	Expert from-ITTAC, ICAT, ACMA, SIAM, CIRT	

	IS/ISO 28580			
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NOTE: Committee decided that other committee members may also be present during the panel meeting. For Panel 3, it decided to invite wired spoke wheel manufacturers as special invitee.

Committee may please deliberate on the composition of panel.

### ITEM 3 ISSUES ARISING OUT OF THE PREVIOUS MEETING

The summary of actions taken on the minutes of previous meeting and the decisions of the Committee are given below:

<i>Sl No</i>	<i>Subject</i>	<i>Decision of the Committee in the last meeting</i>	<i>Present Status</i>
<b>1)</b>	<p><b>Amendment 2 in IS 15633: 2022</b></p> <p>Automotive vehicles - pneumatic tyres for passenger car vehicles - diagonal and radial ply</p>	<p><b>Status in 40<sup>th</sup> meeting:</b></p> <p>Draft document TED 7 (21131) has been published as Amendment 1 to IS 15633.</p> <p>Committee may please note.</p> <p><b>Decision in 40<sup>th</sup> meeting:</b></p> <p>Committee noted the information given in the agenda.</p> <p>Member Secretary informed that a comment was received from ITTAC and it has been circulated vide mail dated 30.11.2023, committee deliberated and accepted the ITTAC comment on Amendment 1 to IS 15633.</p> <p>Committee decided to circulate draft amendment 2 into WC for 30 days. Further it decided that if no comment is received within circulation period, BIS to process the draft amendment directly to Publication. Further it authorized BIS to carry out editorial correction, if any.</p>	<p>Draft amendment is attached at <b>Annexure 2</b>. It will be issued into WC shortly.</p> <p>For additional comments/clarification request received on IS 15633, please refer item <b>5.5</b>.</p> <p>Committee may please deliberate</p>
<b>2)</b>	<p>TED 07 (19706) P <b>“Method of Test for Clamp-in Tubeless Tyre Valves</b></p> <p>Adoption of ISO 14960-2 <b>Doc: TED/07/20722</b></p>	<p><b>Status of 40<sup>th</sup> meeting:</b></p> <p>Draft document TED 7 (20722) has been processed for publication.</p> <p>Committee may please note.</p> <p><b>Decision in 40<sup>th</sup> meeting:</b></p> <p>Committee noted the information.</p>	<p>Document TED 7 (20722) has been published as IS/ISO 14960-2 : 2014.</p> <p>Committee may please note.</p>
<b>3)</b>	<p>Comment IS 10694 (Part 1): 2009 Amd 1 AUTOMOTIVE VEHICLES — RIMS — GENERAL REQUIREMENTS</p>	<p><b>Status in 40<sup>th</sup> meeting:</b></p> <p>While preparing the draft document as per agreed comments, it was observed that comments agreed during 37<sup>th</sup> meeting on marking clause (MSIL and Kalyani Maxion) are not completely in-line.</p>	<p>2<sup>nd</sup> meeting of Panel 3 was held on 02.01.2024. Minutes of Panel 3 meeting is attached at <b>Annexure 7</b>.</p> <p>Panel urged Maxion to thoroughly examine IS 10694 Part 1 and furnish</p>

	Doc: TED 07 (21198)W	<p>Comments on Marking clause from MSIL and Kalyani Maxion are attached at Annexure-10. Partially updated draft (except marking clause) is attached at Annexure-11. Committee may please deliberate again</p> <p><b>Decision in 40<sup>th</sup> meeting:</b> Committee deliberated and felt that further updation is required in draft. Committee authorized panel 3 to deliberate and update the draft document. Committee decided that once the updated document is received from Panel 3, BIS to process it into WC of 30 days.</p>	<p>recommendations, along with updated draft, within a three week timeframe.</p> <p>Updated draft is awaited from Maxion.</p> <p>Committee may please note and deliberate.</p>
4)	<p>IS 9081:2017 Automotive vehicles – Valves and valve Accessories for pneumatic tyres – Specification (fourth revision)</p> <p>Doc: TED 07 (19611)</p>	<p><b>Status of 40<sup>th</sup> meeting</b> Draft Document TED 7 (19611) has been issued into WC for 30 days.</p> <p>WC Date: 29.9.2023</p> <p>Comments received from Triton valve vide mail dated 19.10.2023: <a href="#">Quick follow-up on the IS 9081 latest draft that includes core chamber CC3 diagrams for various valves.</a></p> <p><a href="#">We discussed same in ITTAC committee meeting earlier this week as well and in general, request for taking up the review for additional changes at the earliest, in the next available BIS committee meeting.</a></p> <p>Draft received from triton is attached at Annexure 2. Committee may please deliberate.</p> <p><b>Decision in 40<sup>th</sup> Meeting</b> Committee noted the information. Shri Bharat from Triton valve mentioned that updated draft document is in line with ETRTO manual and ISO standard.</p> <p>Committee decided to process the updated draft document, received from Triton Valve, into WC for 30 days.</p> <p>It further decided that if no comment is received within WC period, BIS to directly process it into Publication. Committee authorized Member Secretary to carry out editorial correction, if any.</p>	<p>Updated Draft document TED 7 (19611) was issued into wide circulation for 30 days.</p> <p><b>WC Date:</b> 04.01.2024</p> <p>Comments received on draft TED 7 (19611) are attached at <b>Annexure 3.</b></p> <p>Committee may deliberate.</p>
5)	<p><b>IS 11031:1984</b> Recommendations for storage and handling of inner tubes, tube valves and flaps for</p>	<p><b>Status in 40<sup>th</sup> meeting</b> Minutes of the Panel 1 meeting, held on 21 November 2023, is attached at Annexure-12. Comment from Mr T Chakravarty vide mail dated 28.11.2023</p>	<p>Panel 1 meeting was held on 20.02.2024.</p> <p>Minutes of Panel 1 meeting is attached at <b>Annexure 4.</b></p>

	<p>use with Pneumatic tyres for automotive vehicles</p> <p><b>Doc:</b> TED 07(19697)</p>	<p><i>This has reference to items 9 and 10 of Annexure 12 of the 40th Meeting Annexures attached to trailing mail. These comments were made based on the earlier published Standards IS 11031 and IS 11178.</i></p> <p><i>Subsequently these standards have been revised in 2023 and comments based on these revised standards are attached. Please update.</i></p> <p>Updated comments have been circulated with committee members vide mail dated 28.11.203. Committee may please note.</p> <p><b>Decision in 40<sup>th</sup> meeting:</b> Committee deliberated on Mr Anoop Chandra comment and decided that tarpaulin should be replaced by opaque tarpaulin in the standard as it will prevent the passage of UV light and will not let the shelf-life reduce. Further, committee deliberated on Mr T Chakravarty comment and requested Panel 1 to deliberate and submit its recommendation to the committee before 31 January 2024. Committee decided that a suitable amendment document will be issued after deliberation and finalization of Mr T Chakravarty comments</p>	<p>Committee may please deliberate</p>
6)	<p><b>IS 11178:1985</b> Recommendations for storage and handling of pneumatic tyres for automotive vehicles</p> <p><b>Doc:</b> TED 07(19696)</p>	<p><b>Decision in 40<sup>th</sup> Meeting</b></p> <p><b>SI No 10 of Item 3:</b> Committee noted the information given in the agenda</p> <p><b>Item 5.8 of 40<sup>th</sup> meeting minutes :</b> Committee deliberated on comment received from Mr Vijay Bopparathi (from CEAT) and clarified that as per clause 6.1 (d) provision is given for marking of either one or both. 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>Document TED 07 (19699) is under publication.</p> <p>Further, amendment in clause 6.1 (d) may be taken up after publication of IS 13098 (revision)</p> <p>Committee may please note.</p>
7)	<p><b>IS 13098:2012</b> Automotive vehicles - Tubes for pneumatic tyres - Specification (First Revision)</p> <p><b>Doc:</b> TED 07 (19699)</p>	<p><b>Status in 40<sup>th</sup> meeting:</b></p> <p>All agreed comments have been incorporated in the draft document, except comments on Table 13 (partially updated). During 37th and 39th meeting, committee had decided to update Table 13 as per ITTAC manual. Table 13 could not be updated as value for G-1 and G-2 are not available in ITTAC manual. Draft document as mentioned above is attached at <b>Annexure- 3.</b></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>
8)	<p><b>IS 13154:2015</b> Automotive vehicles - Tyres for agricultural tractors, implements and power tillers – Specification (First Revision)</p> <p><b>Doc:</b> TED 07 (19702)</p>		

		<p>Committee may please deliberate</p> <p><b><u>Decision in 40<sup>th</sup> meeting:</u></b></p> <p>Shri Vinay from ITTAC mentioned that values for column 10 and column 11 of Table 13 are not present in the ITTAC and ETRTO Manuals. ITTAC had submitted draft to BIS for these values based on calculation.</p> <p>Committee requested ITTAC and TMA to discuss on the necessity of keeping premium G1 and G2 values in the draft TED 7 (19702). Committee requested ITTAC to modify the draft as per ITTAC and TMA discussion and submit it to BIS for WC.</p> <p>The justification of retention/deletion of G1 and G2 values, as proposed by ITTAC, shall be submitted by ITTAC along with modified draft.</p> <p>Further, Member Secretary informed that comments were received from ITTAC and it has been circulated vide mail dated 30.11.2023, committee deliberated and accepted the ITTAC comments.</p> <p>Committee requested ITTAC to provide the draft incorporating the agreed comments, as above, to BIS.</p> <p>Committee decided that updated draft will be issued into WC of 30 days by BIS, after approval from Chairperson.</p> <p>Further it decided that if no comment is received within circulation period, BIS to process the draft document to Publication with approval of Chairperson. It authorized BIS to carry out editorial correction, if any.</p>	
<p><b>9)</b></p>	<p>IS 15724: 2006 Automotive tyres – Re-treading procedure – Hot Process</p> <p><b>Doc:</b> TED 07 (21201)</p>	<p><b>Status in 40<sup>th</sup> meeting:</b> Draft document TED 7 (21201) was issued into WC for 60 days.</p> <p><b>WC Date:</b> 19.6.2023</p> <p>No comments are received on draft document.</p> <p>Committee may please deliberate and finalize the draft.</p> <p><b>Decision in 40<sup>th</sup> meeting:</b> Committee deliberated and decided to process the document into publication.</p>	<p>F-Draft is under preparation.</p> <p>Committee may please note it.</p>

10)	IS/ISO 20562: 2014 — Tyre valves – ISO core chambers No. 1, No. 2 and No. 3	<p><b><u>Status in 40<sup>th</sup> meeting:</u></b></p> <p>Review report is awaited from Triton valve.</p> <p><b><u>Decision in 40<sup>th</sup> meeting:</u></b></p> <p>Shri Bharath from Triton mentioned that changes is required with respect to tightening torque in ISO 20562, for which he has submitted the comment.</p> <p>He further mentioned that tightening torque has been updated in other ISO standard and ETRTO manuals.</p> <p>Committee noted and decided to revise the standard whenever ISO 20562 is updated.</p> <p>It also requested Triton to suggest, if any further additional change is required and look for possibility of modified adoption of ISO 20562.</p>	<p>Input received from Triton Valve vide mail dated 01.12.2023, is as follows:</p> <p><i>We should be able to close item with ISO after they accept and publish same.</i></p> <p>Committee may please deliberate.</p>
11)	<p><b>IS/ISO 28580:2009</b> Passenger Car, Truck and Bus Tyres- Methods of Measuring Rolling Resistance – Single Point Test and Correlation of Measurement Results</p> <p><b>Doc:</b> TED 07 (19704)</p>	<p><b><u>Status in 40<sup>th</sup> meeting:</u></b></p> <p>ARAI vide mail dated 6.9.2023, informed that they have already shared their view (please refer Annex 5 of 37<sup>th</sup> meeting agenda)</p> <p>Committee may please deliberate.</p> <p><b><u>Decision in 40<sup>th</sup> meeting:</u></b></p> <p>Committee deliberated and requested ITTAC to review IS/ISO 28580 again and submit its input with respect to the need of this standard, as one another Indian Standard IS 18258 has already been published for rolling resistance.</p> <p>Input received from ITTAC to be discussed in panel 4 and panel 4 to provide its recommendation for revision/withdrawal of IS/ISO 28580 before 15 February 2024.</p>	<p>Please refer item 1 for comments received on recording of the proceedings of 40<sup>th</sup> meeting.</p> <p>Further, panel 4 meeting was held on 20.02.2024. Minutes of the panel meeting is attached at <b>Annexure 4</b>.</p> <p>Committee may please deliberate.</p>
12)	<p><b>Amendment in IS 15627</b></p> <p>TED 7 (21146)</p>	<p><b><u>Status in 40<sup>th</sup> meeting</u></b></p> <p>Draft document have been issued into wide circulation for 60 days.</p> <p>Document no: TED 7 (21146)</p> <p>WC circulation date: 11.09.2023</p> <p>Comments received from Yamaha are attached at <b>Annexure- 4</b></p> <p>Panel 1 meeting was held on 21.11.2023, where panel 1 deliberated on comments received from ITTAC, JATMA (from JATMA to ITTAC) and Yamaha.</p>	<p>Updated Draft Document TED 7 (21146) was issued into Wide circulation of 30 days.</p> <p><b>WC date:</b> 27.12.2023</p> <p><b><u>Comments received from MSIL:</u></b> Not relevant</p> <p>No other comments is received.</p> <p>Committee may please deliberate.</p>



		<p>Minutes of Panel 1 meeting is attached at <b>Annexure- 12.</b></p> <p>Further, in reference item 11 of Panel 1 minutes, draft provided by ITTAC vide mail dated 28.11.2023 is attached at <b>Annexure-15.</b></p> <p>Committee may please deliberate.</p> <p><b>Decision in 40<sup>th</sup> meeting:</b> Panel 1 convenor Sh. Niteesh Shukla briefed the panel recommendation. Committee deliberated and accepted the panel recommendation. Committee decided to issue the draft amendment document again into 30 days WC after incorporating the agreed comments.</p> <p>It further decided that if no comment is received, draft amendment to be processed into publication directly. It authorized BIS to carry out editorial correction, if any.</p>	
<b>13)</b>	<p><b>Amendment in IS 15636</b></p> <p>TED 7 (21145)</p>	<p><b>Status in 40<sup>th</sup> meeting:</b> Draft document TED 7 (21145) was .</p> <p><b>Decision in 40<sup>th</sup> meeting:</b> Committee deliberated and decided to process the document into Publication. It authorized BIS to carry out editorial correction, if any.</p>	<p>Draft document has been processed for publication. Committee may please note.</p> <p>Committee may please deliberate on Panel 1 recommendation (Please refer <b>Annexure 4</b>).</p>
<b>14)</b>	<p>Revision of IS <b>10694(Part 7):1983</b> General requirements for rims for automotive vehicles Part 7 Industrial truck rims</p>	<p><b>Status in 40<sup>th</sup> meeting</b> 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><b>Decision in 40<sup>th</sup> Meeting</b> 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>2<sup>nd</sup> meeting of Panel 3 was held on 02.01.2024. Minutes attached at <b>Annexure 7.</b></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 <b>Annexure 6.</b></p> <p>Committee may please deliberate.</p>
<b>15)</b>	<p>IS 15725:2006 Automotive tyres - Tyre curing envelop – Cold process</p>	<p><b>Status in 40<sup>th</sup> meeting</b></p>	<p>Draft amendment document is under preparation. Committee may please note.</p>

		<p>Minutes of the Panel 1 meeting, held on 21 November 2023, is attached at <b>Annexure-12</b>.</p> <p>Committee may please note.</p> <p><b><u>Decision in 40<sup>th</sup> Meeting</u></b></p> <p>Panel 1 convenor briefed the panel recommendation. Committee deliberated and accepted the recommendation. Further it decided to reaffirm and amend IS 15725. It decided to issue the amendment draft document into WC of 30 days.</p>	<p>Further review report of IS 15523, IS 15524 and IS 15709 has been circulated vide BIS portal.</p> <p>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 &amp; IS 15725) were discussed for updating the referred standards.</p> <p>Minutes of panel 1 meeting attached at <b>Annexure 4</b>.</p>
<b>16)</b>	<b><u>IS 15523 : 2018</u></b> Automotive tyres - Precured patches for repairing cross ply/ radial tyres and inner tubes - Specification (First Revision)	<p><b>Status in 40th meeting:</b></p> <p>Minutes of the Panel 1 meeting, held on 21 November 2023, is attached at <b>Annexure-12</b>.</p> <p>Committee may please note.</p>	<p>Committee may please deliberate</p> <p>Further, comments from Mr T Chakravarty on IS 15704, yet to be discussed. Committee may please deliberate. (Annexure 6 of 40<sup>th</sup> meeting annexure), Comments attached at <b>Annexure 5</b>.</p>
<b>17)</b>	<b><u>IS 15524 : 2018</u></b> Automotive vehicles - Retreading of tyres by the pre - Cured process - Specification (First Revision)	<p>Comments received on IS 15704: 2018, from Mr T Chakravarty is attached at <b>Annexure-6</b>.</p> <p>Committee may please deliberate</p>	
<b>18)</b>	<b><u>IS 15704 : 2018</u></b> Automotive vehicles - Retreaded pneumatic tyres for commercial vehicles - Specification (First Revision)	<p><b>Decision in 40th meeting:</b></p> <p>Panel 1 convenor briefed the panel recommendation. Committee deliberated and accepted the recommendation. It decided to reaffirm and amend these standards. It decided to issue the amendment draft documents into WC of 30 days.</p>	
<b>19)</b>	<b><u>IS 15709 : 2018</u></b> Automotive vehicles - Retreaded pneumatic tyres for passenger car - Specification (First Revision)		
<b>20)</b>	<b><u>IS 15731 : 2018</u></b> Automotive tyres - Selection and inspection of retreadable tyre casing (First Revision)		
<b>21)</b>	<b><u>IS 15753 : 2007</u></b> Automotive tyres - Tyre curing bladder - Cold process		
<b>22)</b>	<b><u>IS 15780 : 2007</u></b> Automotive tyres - Repair of tyres and tubes used on motor vehicles		
<b>23)</b>	<b><u>IS 15794 : 2007</u></b>	<b>Status in 40<sup>th</sup> meeting:</b> Review report awaited.	Review report is awaited from Mahindra and Mahindra

	Road hazard impact test for wheel and tyre assemblies (Passenger Cars, Light Trucks And Multipurpose Vehicles)	<p><b>Status in 40<sup>th</sup> meeting:</b> Committee noted Mahindra and Mahindra does perform road hazard impact test. It requested Mahindra and Mahindra to review the standard and submit the review report by 15 January 2024.</p>	Committee may please deliberate.
24)	IS 13444 : 1992 Animal drawn vehicles - Pneumatic tyres - Specification	<p><b>Status in 40<sup>th</sup> meeting:</b> Draft document has been processed into Publication. Committee may please note.</p> <p><b>Decision in 40<sup>th</sup> meeting:</b> Committee noted the information given in the agenda.</p>	Draft document TED 7 (21265) is under publication. Committee may please note.
25)	IS 10694 : Part 4 : 1983 General requirements for rims for automotive vehicles: Part 4 scooter and scooter derivative rims	<p><b>Status in 40<sup>th</sup> meeting:</b> Minutes of the Panel 2 meeting is attached on <b>Annexure-5</b>.</p> <p>Committee may please deliberate.</p> <p><b>Decision in 40<sup>th</sup> meeting:</b> Panel 2 convenor briefed the panel recommendation. Committee deliberated and decided that further updation is required in draft document.</p> <p>Committee requested panel 3 to deliberate and update the draft document.</p> <p>Committee decided that once the updated document is received, BIS to process it into WC of 30 days.</p>	<p>2<sup>nd</sup> meeting of Panel 3 was held on 02.01.2024. Minutes attached at <b>Annexure 7</b>.</p> <p>Panel urged UNO Minda &amp; Rockman for IS 10694 Part 4, and UNO Minda &amp; 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>
26)	IS 9436 : 2018 Performance requirements and methods of test for wheels for passenger cars, quadricycles and mini goods carriers (First Revision)  TED 7 (24571)	<p><b>Status in 40<sup>th</sup> meeting:</b> Minutes of the Panel 2 meeting is attached on <b>Annexure-5</b>.</p> <p>Committee may please deliberate.</p> <p><b>Decision in 40<sup>th</sup> meeting:</b> Panel 2 convenor briefed the panel recommendation. Committee deliberated at length. For decision, please refer item 5.3 and Annexure-1.</p> <p>It decided to issue the draft amendment document into WC of 30 days after incorporating the agreed comments in draft.</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><b>TED 7 (24571) WC Date :05.01.2024</b> <b>Comments on TED 7 (24571):</b></p> <ul style="list-style-type: none"> <li>• MKA has no comment on draft document TED/7/24571</li> <li>• MSIL: No comment</li> </ul> <p><b>TED 7 (24612) WC Date : 09.01.2024</b> <b>Comments on TED 7 (24612):</b></p> <ul style="list-style-type: none"> <li>• MSIL: No comment</li> </ul>
27)	IS 9438 : 2018 Performance requirements and methods of tests for wheels/ rims for trucks and buses (First Revision)  TED 7 (24612)	<p><b>Status in 40<sup>th</sup> meeting:</b> Minutes of the Panel 2 meeting is attached on <b>Annexure-5</b>.</p> <p>Committee may please deliberate.</p> <p><b>Decision in 40<sup>th</sup> meeting:</b> Panel 2 convenor briefed the panel recommendation. Committee deliberated at</p>	<p>Regarding possibility of inclusion of note (based on manufacturer declaration) for additional size, recommendation from Panel 2 is awaited.</p>

		length. For decision, please refer item 5.2, and Annexure-1.  It decided to issue the draft amendment document into WC of 30 days after incorporating the agreed comments in draft.  For modification in scope (for vintage application), please refer item 5.3	Draft amendment documents and letter (attached at <i>Annexure 19</i> ) were sent to DHI. No input/reply is received from DHI.  Committee may please note and deliberate.
<b>28)</b>	Amendment to <u>IS 16192 Part 1</u>  <a href="#">TED/07/22490</a>	<b>Decision in 40<sup>th</sup> meeting:</b> Panel 2 convenor briefed the panel recommendation. Committee deliberated at length. For decision, please refer A-1.1 of Annexure 1. Committee requested BIS to expedite the publication of amendment 2 of IS 16192 Part 1.	Amendment 2 to IS 16192 Part 1 has been published  Committee may please note.
<b>29)</b>	<b><u>IS 16192 Part 1, IS 16192 Part 2 and IS 16192 Part 3</u></b>	<b>Decision in 40<sup>th</sup> meeting:</b>  <ul style="list-style-type: none"> <li>Panel 2 convenor briefed the panel recommendation. Committee deliberated at length. For decision, please refer item <b>5.6.1</b> and Annexure-1. It decided to issue the draft amendment document into WC of 30 days after incorporating the agreed comments in draft.</li> <li>For decision on clarification request, please refer item 5.5, 5.6 and 5.7 of minutes</li> </ul>	<ul style="list-style-type: none"> <li><b>IS 16192 Part 1:</b> Draft amendment document, as per agreed comment is under preparation and it will be shared shortly. Committee may please note.</li> <li>Please refer item <b>5.1</b>.</li> </ul>
<b>30)</b>	<b>IS 12750:1989  ISO 8644 &amp; 8645: 88</b> Method of test for light alloy wheels for motorcycles and mopeds	<b><u>Status in 40<sup>th</sup> meeting</u></b>  As recommended by TED 7 committee for withdrawal- it will be taken up in TEDC meeting for further deliberation.  <b>Decision in 40<sup>th</sup> meeting:</b> Committee noted the information.	As recommended by TED 7 committee for withdrawal- it will be taken up in TEDC meeting for further deliberation.
<b>31)</b>	<b>IS 10694 Part 8</b> AUTOMOTIVE VEHICLES — RIMS — GENERAL REQUIREMENTS PART 8 EARTHMOVING MACHINE RIMS	<b><u>Status in 40<sup>th</sup> meeting:</u></b> As recommended by TED 7 committee for withdrawal- it will be taken up in TEDC meeting for further deliberation  <b>Decision in 40<sup>th</sup> meeting:</b> Committee noted the information.	As recommended by TED 7 committee for withdrawal- it will be taken up in TEDC meeting for further deliberation.
<b>32)</b>	<b>IS 13196: 1991</b> Automotive vehicles - Light alloys wheel	<b><u>Status in 40<sup>th</sup> meeting</u></b>  Review report was received from BAL vide mail dated 11.10.2023.	As recommended by TED 7 committee for withdrawal- it will be taken up in TEDC meeting for further deliberation.

	motorcycles Specification -	<p>Review report was circulated with committee members BIS Portal dated 7.11.2023.</p> <p>Committee may please deliberate.</p> <p><b>Decision in 40th Meeting</b> Shri Arvind from BAL presented the review report to the committee member. Committee reviewed IS 13196 and observed that IS 16192 Part 1 already exist on the same subject and it is under certification process.</p> <p>Committee deliberated and recommended to withdraw IS 13196: 1991.</p>	
<b>33)</b>	<b>IS 9643: 1980</b> Non-skid type chain assembly for tyres – Single type	<p><b>Status in 40<sup>th</sup> meeting:</b> Review was allocated to SIAM. No input was received from SIAM. During the 37<sup>th</sup> meeting of TED 7, committee reviewed IS 9643: 1980 and decided to reaffirm.</p> <p><b>Decision in 40<sup>th</sup> meeting:</b> It decided to reaffirm the standard and archive it.</p>	<p>Review report was circulated through BIS Portal dated 07.02.2024</p> <p>Committee may deliberate.</p>
<b>34)</b>	<b>Amendment in IS 18258: 2023</b>	<p><b>40<sup>th</sup> meeting:</b> Shri Niteesh from ITTAC briefed the comment on IS 18258. Committee accepted the submitted comments and decided to issue the draft amendment document into WC of 30 days.</p>	<p>Draft document [TED 7 (24717)] was issued into Wide circulation for 30 days.</p> <p><b>WC Date:</b> 25.01.2024</p> <p>Comment received from MSIL vide BIS Portal, is attached at <b>Annexure 13.</b></p> <p>Committee may please deliberate.</p>

#### 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

###### In 40<sup>th</sup> meeting:

Member Secretary briefed the R&D guideline and draft ToR. Committee requested ITTAC and other committee members to review the Terms of reference and submit their comments by 20.12.2023. It further decided that a special committee meeting may be hold to finalize this ToR and other, if any.

###### Present Status:

Comments received from ITTAC: please note that we have not received any inputs from members regarding Formulation of Indian Standard for Construction, Mining or Industrial handling vehicles and machines' as there are no Global Standards for the same.

Committee may please deliberate.

#### ITEM 5 COMMENTS/CLARIFICATION REQUEST ON PUBLISHED STANDARDS

## 5.1 Comments/clarifications on IS 16192 Part 1, Part 2 and Part 3

### 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 of 40<sup>th</sup> meeting minutes)

**38th meeting Decision:** Shri Rakesh Kumar, Sc. D from CMD-III, BIS, briefed the comments submitted. Committee members pointed out that thickness is critical parameter and it directly affects the strength of the wheel. Committee deliberated and decided to discuss it in Panel 2 meeting in detail. Further, Committee requested Panel 2 to submit its recommendation before next committee meeting.

**40th meeting Decision:** Committee requested input from committee members and decided to discuss it in next committee meeting.

**Present Status:** Input from members is awaited. Committee may please deliberate.

### 5.1.2 Hybrid Wheel Rim (IS 16192 Part 1 and IS 16192 Part 2) (reference: Please refer ITEM 5.5 of 40<sup>th</sup> meeting minutes)

2<sup>nd</sup> meeting of Panel 3 was held on 2 January 2024. Minutes of the panel meeting is attached at **Annexure 7**.

- In the panel meeting, participants expressed their views that given the developmental stage of technology for these EV wheel rims, there is a possibility of witnessing various other hybrid configurations, such as rims made of aluminum with casings of aluminum/steel, and etc. As the load on all types of wheels remains constant regardless of the materials used, addressing these wheels could be achieved through amendments to existing standards. Panel requested ACMA and SIAM to verify whether development of any such possible combination is happening/planned by manufacturers and inform the detail to BIS, within a three-week timeframe, to address suitably in standard.
- No input is received from ACMA and SIAM.
- Draft amendment document prepared by sub-panel as per recommendation of the panel, for amendment in IS 16192 Part 2 is attached at **Annexure 9**
- Carbon wheelz submitted the comment on minutes of Panel 3 meeting vide mail dated 16.2.2024. Comments attached at **Annexure 10**.
- Further, in reference to panel meeting, ARAI vide mail dated 15.02.24, informed about development of (light aluminium alloy rim, aluminium alloy spoke and hub motor with light alloy cover) hybrid wheel, mail attached at **Annexure 11**.

Committee may please deliberate.

- As decided in the 40<sup>th</sup> meeting of TED 7 and 2<sup>nd</sup> meeting of Panel 3, letter has been sent to CMVR-TSC, letter attached at **Annexure 19**.

Committee may please note

### 5.1.3 Comments received from Mr. Hemant Mule on IS 16192 Part 1 and Part 2 (Rim of Steel and disc of alloy) (reference: Please refer ITEM 5.5 and 5.7 of 40<sup>th</sup> meeting minutes)

Panel 3 in its 2<sup>nd</sup> meeting dated 02.01.24, deliberated and provided recommendation. Minutes of the meeting is attached at **Annexure 7**.

Committee may please deliberate

#### **5.1.4 Clarification request on IS 16192 Part 3 from CMD-III**

*(reference: Please refer ITEM 5.6 and A-1.1 of 40<sup>th</sup> meeting minutes)*

Panel 3 meeting was held on 11.12.2023 to deliberate and finalize the decision for IS 16192 Part 3 and related Standards. Minutes of the panel 3 meeting is attached at **Annexure 8**.

Draft document for amendment in IS 16192 Part 3 as per deliberation of Panel 3 was prepared by sub-panel and it was issued into WC of 30 days, as per recommendation of the panel.

Document No and Wide circulation date are [TED 7 (24491)] and 28.12.2023 respectively. Comments received on Document TED 7 (24491) are attached at **Annexure 12**.

Committee may deliberate.

#### **5.1.5 Wire spoke wheel rim**

*(reference: Please refer A-1.1 of 40<sup>th</sup> meeting minutes)*

In 40<sup>th</sup> meeting, committee decided that since ISO standard (ISO 4210-2) for wired spoke wheel rims for cycle specifies dynamic test committee decided to continue this subject under discussion for betterment of standard. For detail please refer the minutes of 40<sup>th</sup> meeting.

**Present Status:** It was included in the agenda of 2<sup>nd</sup> meeting of Panel 3, however it could not get discussed thoroughly and panel decided to discuss it in next panel meeting (not yet done).

Committee may please deliberate.

#### **5.1.6 Unification of terminologies used in IS 16192, 9436 and 9438 for wheel rims**

*(reference: Please refer A-1.4 of 40<sup>th</sup> meeting minutes)*

##### **Decision in 40<sup>th</sup> meeting:**

Panel 2 convenor briefed that during the panel meeting held on 19.10.2023, panel-2 had constituted two sub panels for reviewing these standards and provide its recommendation. Shri Arvind from BAL mentioned that subgroup (Hero and BAL) has completed the review and submitted the input to BIS vide mail dated 01.12.2023. Committee requested Panel 3 to take up the review and deliberate in its meeting. It authorized panel 3 to take decision regarding issuance of necessary amendment.

**Present Status:** It was included in the agenda of 2<sup>nd</sup> meeting of Panel 3, however it could not get discussed thoroughly, and panel decided to discuss it in next panel meeting (not yet done). Further, input submitted by BAL has been circulated with committee members vide mail dated 23.02.2024.

Committee may please deliberate.

#### **5.1.7 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 A-1.5 of 40<sup>th</sup> meeting minutes)*

**In 40<sup>th</sup> meeting:** Panel 2 convenor briefed the panel recommendation. Shri Vimal from Steel strip mentioned that though standards mandate only CFT test, certification department had asked both the tests for his application. Committee requested Panel 3 to deliberate this subject in its meeting. It authorized panel 3 to take decision regarding issuance of amendment document, if any.

**Present Status:** It was included in the agenda of 2<sup>nd</sup> meeting of Panel 3, however it could not get discussed thoroughly, panel decided to discuss it in next panel meeting (not yet done).

Committee may please deliberate.

#### **5.1.8 Clarification request received from DHBO**

Clarification request received from DHBO was circulated with members vide mail dated 20.12.2023. Also attached at **Annexure 14**. It was deliberated during panel 3 meeting held on 02.01.2024. Minutes of the Panel meeting is attached at **Annexure 7**.

Committee may please deliberate.

#### **5.1.9 Clarification request Received from DAIDO India Pvt Ltd**

Clarification request received from DAIDO is attached at **Annexure 15**. Input received from DIADO regarding test and intended for use are also attached.

Input was sought from the committee members vide mail dated 21.12.2023. Input received from Wheels India and ACMA are attached at **Annexure 15**.

#### **5.1.10 Clarification request received from Arihant Udyog**

Clarification request received from Arihant Udyog vide mail dated 17.01.2024, was circulated with committee members vide mail dated 24.01.2024, for input. Clarification request is attached at **Annexure 16**.

No input was received from committee members. Committee may please deliberate.

#### **5.1.11 Clarification request received from Ultrapower Ev tech Private Limited**

Following clarification request is received from Ultrapower EV tech vide mail dated 14.2.2024:

We ultratech ev are going to manufacturing of bldc hub motor which is applicable for ev 2W. For this we have done motor test in cmvr lab which was AIS41 test. Now we need approval of rim also Can you please guide us that if we will take test report of IS16192 on our rim which is integrated with hub motor is enough or we have to apply bis for the same.

Kindly confirm that BIS norms is mandate on our bldc hub motor or not?

Committee may please deliberate.

#### **5.2 Clarification request received from Minda Kosei on IS 10694 Part 1**

Following clarification request is received from Minda Kosei vide mail dated 30.01.2024.

With reference to attached 40th meeting-Annexures we have following comments in Annexure 11 clause number 5.2 Marking of Disc Wheel sub clause 5.2.2

Clause defined in Annexure - clause 5.2.2 In case other marking methods, for example, laser printing, pad printing, ink jet printing and stickers are used, such marking should be legible, indelible, non-removable and durable.

**MKA Comment** - We want to know what are the measurable parameters to ensure that the marking is permanent and durable

Committee may please deliberate.

#### **5.3 Clarification request received from Normet India Private Limited on IS 9438**

Clarification request received from Normet India Private Limited (through CMD vide Mail dated 15.2.2024) is attached at **Annexure 17**, committee may please deliberate.

#### **5.4 Comment/Clarification on IS 15627**

Following comment is received from ITTAC vide mail dated 09.02.2024.



**Sub: New Tyre Size ratified by ITTAC**

Dear Sir,

In the recent meeting of ITTAC, the following Two / Three-wheeler tyre size has been ratified for its inclusion in IS 15627:2022.

- **120/80R12 74F**

Please note that the above size is an existing size in IS 15627:2022 with 86 load index in **Table 10** whereas the same size with 74 load index has been developed for EV- 3 Wheeler segment. Therefore, it needs to be included in **Table 11** of IS 15627:2022.

The dimension and load details of above size is as follows:

S. No	Tyre Size Designation	Rims Rec. Alt.	New Tyre Inflated								
			Width (mm)			Overall Diameter (mm)			Load Index	Maximum Load (Corresponding to Load Index) kg	Cold I.P. kPa (Corresponding to Maximum load)
			Design Section Width	Minimum Section Width	Maximum Overall Width	Design Diameter	Minimum Diameter	Maximum Diameter			
mm	mm	mm	mm	mm	mm	mm					
1	120/80R12	M1 2.75, 2.75, 3.00, MT 3.00, 3.50, MT 3.50, 3.50B	119	114	126	497	491	514	74	375	345

It is recommended that the above sizes be included as an IS / CMVR Specifications.

Look forward to your early action.

Committee may please deliberate.

### 5.5 Comment/Clarification on IS 15633

**5.5.1 Comment received from CMD on IS 15633 and IS 15636** (regarding adding a new clause in IS 15633 and IS 15636 specifying the evaluation as per IS 18258 and limits as per MoRTH Notification)  
(reference: Please refer item 5.10 of 40<sup>th</sup> meeting minutes)

#### Decision in 40<sup>th</sup> meeting:

Member secretary briefed the discussions held in the previous meetings on the subject. Committee deliberated and mentioned that IS 15633 and IS 5636 deals with the safety aspect of tyres, whereas requirements of ‘Rolling Sound Emissions and/or to Adhesion on Wet Surfaces and/or to Rolling Resistance’ does not appears having any relevance, with respect to safety. Therefore it should not be included in the standard. However it is recommended that matter is to be referred to CMVR-TSC, MoRTH for their advice.

**Present Status:** Letter to CMVR-TSC will be sent shortly. Committee may please note.

### 5.5.2 Comment received from TKM

Following comments were received from TKM vide mail dated 8.2.2024:

This is to inform you that in IS 15633: 2022 standard has limited the scope for M1, T1 and T2. Whereas in IS 15633:2005 and UNR 30 there is provision to use tyres in other category vehicles.

Please find the attached document for your reference.

Please find the scope details mentioned below:

UNR 30	IS 15633:2005 (amendment 1)	IS 15633:2022	TKM proposal	Justification
SCOPE: This Regulation covers new pneumatic tyres* designed primarily for vehicles of categories M1, N1, O1 and O2.	SCOPE: This standard specifies the general, dimensional and performance requirements of new diagonal and radial ply pneumatic tyres designed primarily, but not only for vehicles in categories M1, T1 & T2. However, it does not apply to tyres designed for: a) the equipment of vintage cars, and b) competitions.	SCOPE: This standard specifies the general, dimensional and performance requirements of new diagonal and radial ply pneumatic tyres designed primarily for vehicles in categories M1, T1 and T2. However, it does not apply to run flat tyres, and tyres designed for: a) the equipment of vintage cars, and b) competitions (racings).	SCOPE: This standard specifies the general, dimensional and performance requirements of new diagonal and radial ply pneumatic tyres designed primarily, but not only for vehicles in categories M1, T1 & T2. However, it does not apply to temporary use spare tyres, run flat tyres, and tyres designed for: a) the equipment of vintage cars, and b) competitions (racings).	The Tyres used in M1 category is been used in N1 category also based on the scope of IS 15633:2005 standard. Hence requesting to include same provision of scope in IS 15633:2022 standard, which is aligned with UNR-30.

Requesting to consider the TKM proposal and amend the IS 15633:2022 standard accordingly. (amendment proposal will be prepared and shared with TED 07 committee ASAP)

Amendment proposal submitted by TKM is attached **Annexure 18**. Committee may please deliberate.

### 5.5.3 Clarification received from FMCD (BIS)

Following clarification request is received from FMCD vide mail dated 26.12.2023

*This has reference to IS 15633 : 2022 for Automotive vehicles- Pneumatic tyres for passenger car vehicles. FMCD has received application for inclusion of new tyre varieties in the scope of licence. The tyre size designation is **HL 255/35 R21 101Y, Normal, Radial, Tubeless and Reinforced.***

*It is requested to kindly clarify whether tyre size designations starting with **HL** is covered in the scope of IS 15633 : 2022.*

Committee may please deliberate.

#### 5.5.4 Clarification request received from ERA Global Standards Certification

Following clarification request is received from ERA Global:

We are AIR of Kumho Tire Co. Inc. CM/L- 4019849.

We would like to test our tyre size 245/40R19 98Y, we have referred the IS 15633:2022 and found that overall diameter mentioned in the IS 15633 : 2022 is as per below.

Overall diameter : 673-679-675 (Please find the attached screenshot for reference)

However, based on our calculations, the OD for the tyre size 245/40R19 98Y should be as follows.

Overall diameter : 673-679-686 (Please find the attached calculation sheet).

Could you please confirm us how to process for testing.

Committee may please deliberate.

#### 5.6 Comment on IS 15636 from ITTAC

For ITTAC comment on IS 15636, please refer the minutes of Panel 1 meeting attached at **Annexure 4**.  
Committee may please deliberate.

### ITEM 6 REVIEW OF STANDARDS

**6.1** The Sectional Committee may review all the standards formulated by it and identify the standards that are not required by the industry due to change in technology, obsolescence, etc, for withdrawal and the standards that need to be amalgamated or to be revised. During review, the committee may decide either to revise or to withdraw the standards based on latest technology available on the subject at the time of review.

**6.1.1** Following standards were allotted to review:

Sl. No.	IS No	Title	Allocated to/volunteered	Renakrs
1	IS 9453 : 2014	Valve caps for tyre tube valves for automotive vehicles - Specification Second Revision	Triton Valve	Review report awaited
	IS 12098:1987	Rim wheels for pneumatic tyres for animal drawn vehicles – Specification	ACMA	

Committee may please deliberate.

**6.1.2** Following standards are due for review in Year 2023-24

IS 13243 : 2014	Automotive vehicles - Commercial vehicles - Attachments on hubs for wheels - Dimensions (First Revision)
IS 9168 : 2018	Automotive vehicle - All rubber flaps for pneumatic tyres - Specification (Second Revision)
IS 9436 : 2018	Performance requirements and methods of test for wheels for passenger cars, quadricycles and mini goods carriers (First Revision)
IS 9438 : 2018	Performance requirements and methods of tests for wheels/ rims for trucks and buses (First Revision)

IS 16192 (Part 3) : 2018	Automotive vehicles - Wheel rims for two and three wheeled vehicles: Part 3 Spoke Wheel Rims ---Method of tests and requirements
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Committee may please deliberate.

**6.1.3** Standards due for review in 2024-25, are mentioned in draft Annual Action plan (please refer item 9), committee may please deliberate.

## **ITEM 7 NEW WORK ITEM PROPOSAL/IDENTIFIED**

### **7.1 Formulation of Indian Standard on requirements of Wheel Rims other than OE rims**

**38<sup>th</sup> meeting:** Shri V S Khairtakar from ARAI briefed the background of the subjects. He mentioned that this wheel is related to aftermarket, where OE approved rims are replaced by users by his choice of rims. This framework allows to use safe wheel on existing vehicle and qualifies the safety framework for approval of such wheels. He further requested committee to deliberate on this subject in detail. Chairperson pointed out that direct introduction of non-approved/certified rims can create havoc in the market and can disrupt the quality control. In the manual OE specifies the type approved/certified rims that can be used as replacement. Shri Pathak from CIRT mentioned that BIS approved rims should continue till the life of vehicle and we should not have different requirements for OE and aftermarket rims.

Shri Bharathi Rajendran from Steel strips mentioned that need of replacement wheel arose mainly after aluminium wheel started penetration in the market and generally OEM do not accept more than one style but in aftermarket, style requirement is different, so in India replacement market is huge.

Committee deliberated at length and requested ARAI to inform the committee during next meeting, whether base ECE standard is a regulatory or voluntary standard. Committee further mentioned that as existing standards cover replacement wheel also thus styling issue can be addressed through type approved/certified rims. It was decided that this subject again can be deliberated in next meeting, based on input received from ARAI and other members (if any).

**40<sup>th</sup> meeting:** Committee deliberated and requested ARAI to submit its input to BIS before the next committee meeting. It decided to deliberate this subject again in next meeting.

**Present Status:** Input is awaited from ARAI.

## **ITEM 8 ROAD MAP OF STANDARDIZATION WORK OF TED 7**

In previous meetings, Committee deliberated and decided to work on following subjects in future:

- a) RFID Tag for Tyres
- b) Tyres for Off the road Vehicle
- c) TPMS
- d) Tyre Abrasion
- e) Rubber patches for Tube repair -Hot method

Committee may deliberate and add new subjects to work in future. Further, committee may take-up the subject for further formulation.

No additional input is received. Committee may please note it.

## **ITEM 9 ANNUAL ACTION PLAN (2024-25)**

Committee may deliberate on Annual Action plan for 2024-25. Draft annual action plan for 2024-25 will be shared shortly, for further deliberation of the committee, please.

## **ITEM 10 INTERNATIONAL ACTIVITIES**

**10.1** India is having membership on following ISO/IEC committees related to TED 7:

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
ISO/TC 31/SC 3	Passenger Car Tyres and Rims	P
ISO/TC 31/SC 4	Truck and Bus Tyres and Rims	P
ISO/TC 31/SC 5	Agricultural Tyres and Rims	P
ISO/TC 31/SC 6	Off-the road Tyres and Rims	O*
ISO/TC 31/SC 7	Industrial Tyres and Rims	P
ISO/TC 31/SC 8	Aircraft Tyres and Rims	O
ISO/TC 31/SC 9	Valves for Tube and Tubeless Tyres	P
ISO/TC 31/SC 10	Cycles, Moped, Motorcycle Tyres and Rims	P

\* In 39<sup>th</sup> meeting, committee decided to upgrade the status for ISO/TC 31/SC 6 from O to P.

**10.2** India is a ‘Participating’ member on various documents generated by these Subcommittees. Being ‘P’ member it is obligatory for India to vote on all the documents. The documents are received from ISO Secretariat time to time are being sent to constituted panels for comments. Accordingly voting is being done. Committee may also review the membership status of ISO committees and may consider upgrading the status from ‘O’ to ‘P’ membership as indicated above.

**10.3** The list of ISO standards published by ISO/ TC 31 and its sub-committees is given at <https://www.iso.org/committee/47670/x/catalogue/p/1/u/0/w/0/d/0>

The committee may review the ISO standards and categorize them as per following broad categories:

- a. ISO Standards which can be directly adopted as Indian Standards without any change.
- b. ISO standards which can be modified technically as per our country’s needs and then adopted as Indian Standards.
- c. ISO Standards which are not at all suitable for our country needs and may not be adopted at all.

The committee may please consider and decide adoption of ISO standards, if any.

#### 10.4 ISO Meetings:

Following ISO meetings are scheduled:

ISO/TC 31	Date and Mode	REGISTRATION CLOSING DATE	REMARKS
ISO/TC 31/SC 4 24 <sup>th</sup> Meeting	29 April to 30 April, Virtual	2024-04-30	Agenda of the meeting circulated with members vide mail dated 14.2.2024
ISO/TC 31/SC 5 31 <sup>st</sup> Meeting	19 June 2024 (Face-to-Face) Japan	05/06/2024	Agenda of the meeting circulated with members vide mail dated 24.2.2024
ISO/TC 31/SC 7 29 <sup>th</sup> Meeting	20 June 2024 (Face-to-Face) Japan	06/06/2024	Agenda of the meeting circulated with members vide mail dated 14.2.2024

Committee may please deliberate.

**10.6** The Committee may deliberate on the status of standardization in the areas dealt by the committee at international level and give its suggestions for improving participation in the related committees of ISO/IEC.

**ITEM 11 ANALYTICAL REPORTS/ADVANCED DASHBOARD**

Committee may note the features of advance dashboard

**ITEM 12 PROGRAM OF WORK OF TED 07**

TED 07 program of work can be accessed through following:

[https://www.services.bis.gov.in/php/BIS\\_2.0/bisconnect/pow\\_details](https://www.services.bis.gov.in/php/BIS_2.0/bisconnect/pow_details)

**ITEM 12 DATE AND PLACE FOR THE NEXT MEETING**

Committee may please deliberate and prepare the annual calendar for meetings of TED 7 committee in 2024-25

**ITEM 13 ANY OTHER BUSINESS**