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**BUREAU OF INDIAN STANDARDS**

**DRAFT AGENDA**

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

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

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

**HEAD TED:** Sh. A P D Dwivedi

**MEMBER SECRETARY:** August Dubey

**ITEM 0 WELCOME AND INTRODUCTORY REMARKS**

**0.1** Welcome Remarks by Head (TED)

**0.2** Opening Remarks by the Chairman

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

The minutes of the 42<sup>nd</sup> Meeting of Automotive Tyres, Tubes and Rims Sectional Committee, TED 7 held virtually on 14<sup>th</sup> May 2024 was circulated vide BIS Portal dated 5 June 2024 (and addenda to the minutes was issued on 10 June 2024). Members were requested to send their comments on recording of the proceeding. No comments have been received regarding decision of the committee till date.

Committee may please deliberate and confirm the minutes of the 42<sup>nd</sup> meeting.

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

**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 2/3rd 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 Co-option in TED 7**

**2.7.1** In 41<sup>st</sup> Meeting, committee requested BIS to do follow up with CFMTTI and MG Motors one more time.

### **Present Status:**

- Reminder mail was sent to CFMTTI dt 10.4.2024. No reply is received from CFMTTI
- Reminder mail was sent to MG Motor dt 23 July. Shri Rakesh Kotake from MG Motor vide mail dated 6.8.2024, informed that they are trying to send the required documentation. However, the nomination is still awaited.

Committee may please deliberate.

**2.7.2.** In 41<sup>st</sup> meeting, committee deliberated and decided to Co-opt **VRDE, DPIIT, MoRTH, AIMTC, SIAM, IRMRA, INDAG Rubber Ltd, Unipatch Rubber ltd**. In 42<sup>nd</sup> meeting, committee decided to co-opt **Accura valves, and Sonil Ventifabrik**.

In view of above nomination was sought from these organization vide letter/mail. The present status is as follows:

Sl. no.	ORGANIZATION	Present Status
1)	VRDE,	<b>Nomination received.</b> Shri. Vinod Kumar, Sc 'E' (Principal Member) Shri. WS Khan, Sc 'E' (Alternate Member)
2)	DPIIT,	<b>Nomination received.</b> Mr. Rajesh Rawat (Principal Member) Dr. K. Raj Kumar (Alternate Member)
3)	IRMRA,	<b>Nomination received.</b> Mr. Bharat Kapgate (Principal Member) Mr. Sachin Barve (Alternate Member)
4)	AIMTC,	<b>Nomination received.</b> Shri Naveen Gupta (Principal member) Shri Pramod Bhavsar (Alternate Member)
5)	Sonil Ventifabric	<b>Nomination received.</b> Shri Himesh Shah (Principal member) Shri Maulik Shah (Alternate Member)
6)	MoRTH,	Mail for nomination was sent to Shri Ankit Dugar (Director MVL) on 5 June 2024. <b>Nomination not received yet</b>
7)	SIAM,	Mail for nomination was sent to Shri P K Banerjee (ED, SIAM) on 5 June 2024. <b>Nomination not yet received.</b>
8)	INDAG Rubber Ltd,	Mail for nomination was sent to Shri Ravi Bhalla (DGM, Indag Rubber) on 21 June 2024. <b>Nomination not yet received.</b>
9)	Unipatch Rubber ltd.	Mail for nomination was sent to Shri Amlesh Roy (Sr Vice President, Unipatch Rubber) on 24 July 2024. <b>Nomination not yet received.</b>
10)	Accura valves	Mail for nomination was sent to Shri Sanjeev on 21 June 2024. <b>Nomination not yet received.</b>

**Committee may deliberate.**

**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	Request was circulated with committee members dated 2.9.2024
ii)	Mohit Agarwal	Continental India Private Limited	Request was circulated with committee members dated 6.8.2024

**Committee may deliberate.**

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

<b>Panel No</b>	<b>Subject/Area</b>	<b>Convenor</b>	<b>Composition</b>
Panel 1	Tyres and Tubes	ITTAC	<b>Expert from-</b> IRMRA, CIRT, ARAI, ICAT, SIAM, TREA, and Michelin and Shri T Chakravarty
Panel 2	Rims and valves	Convenor: ARAI Chair: Sh. Sunil Bhatambrekar (Kalyani Maxion)	<b>Expert from-</b> SIAM, ARAI, ACMA, ITTAC, Triton valve, Hero Moto corp, ICAT, CIRT, Klasic 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	<b>Expert from-</b> ARAI, ICAT, CIRT ACMA, SIAM, YAMAHA, HERO, BAL, MAXION, ITTAC
Panel 4	Rolling Resistance-	Shri V S Khairatkar	<b>Expert from-</b> ITTAC, ICAT, ACMA, SIAM, CIRT
Panel 5	To review the comments that would be received on Ballot/ISO standards after 13.5.2024 and to provide its recommendation thereon.  To review the proposal submitted by members who wants to participate in ISO meeting and to provide its recommendation for framing India's view.	Shri V S Khairatkar- ARAI(Convenor)	<b>Experts from:</b> <ul style="list-style-type: none"> <li>• ICAT</li> <li>• CIRT</li> <li>• SIAM</li> <li>• ACMA</li> <li>• TMA</li> <li>• ITTAC</li> </ul>

**NOTE:** Committee has decided that panel convenor may invite other experts depending on the subjects under discussion.

**Committee may please note/deliberate.**

### 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:

<i>Sl. No.</i>	<i>Subject</i>	<i>Decision of the Committee in the last meeting</i>	<i>Present Status</i>
1)	<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 42<sup>nd</sup> Meeting:</b></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><b>Decision in 42<sup>nd</sup> Meeting:</b></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 <b>Annexure 2</b>) .</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><b>Doc No:</b> TED 07 (24494)</p> <p><b>WC Date:</b> 05.09.2024</p> <p>Other points were discussed in Panel 1 meeting. Minutes of the Panel1 meeting is attached at <b>Annexure 3</b>.</p> <p>Committee may deliberate</p>
2)	<p><b>Revision of IS/ISO 14960-2: 2014</b></p> <p>“Method of Test for Clamp-in Tubeless Tyre Valves</p>	<p><b>Status in 41<sup>st</sup> Meeting:</b></p> <p>Document TED 7 (20722) has been published as IS/ISO 14960-2 : 2014. Committee may please note.</p> <p><b>Decision in 41<sup>st</sup> Meeting</b></p>	<p>National foreword for revision of IS/ISO 14960-2 has been issued into WC.</p> <p><b>Doc. No:</b> TED 7(25826)</p> <p><b>WC Date:</b> 23/07/2024</p>

<b>Sl. No.</b>	<b>Subject</b>	<b>Decision of the Committee in the last meeting</b>	<b>Present Status</b>
		<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>No comment is received on draft document.</p> <p>Committee may please deliberate.</p>
3)	<p><b>Comment IS 10694 (Part 1): 2009 AUTOMOTIVE VEHICLES — RIMS — GENERAL REQUIREMENTS</b></p> <p>Doc: TED 07 (21198)W</p>	<p><b>Status in 41<sup>st</sup> Meeting:</b></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 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><b>Decision in 41<sup>st</sup> Meeting</b></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: 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>	<p>Input received from ARAI was discussed in Panel 3 meeting dt. 28.6.2024.</p> <p>Draft document is still awaited</p> <p>Subject was allocated to intern Ms Kashis Shareen also. Input received from Ms Kashish Shareen has been included in Panel 3 meeting agenda.</p> <p>Next meeting of Panel 3 is scheduled on <b>13.9.2024</b>.</p> <p>For detail of Panel 3 meeting, please refer <b>Annexure 4</b></p> <p>Committee may please deliberate.</p>
4)	<p><b>Revision of IS 9081:2017</b></p> <p>Automotive vehicles – Valves and valve Accessories for pneumatic tyres –</p>	<p><b>Status in 41<sup>st</sup> Meeting:</b></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>Draft document has been processed into Publication.</p> <p>Committee may please note</p>

<b>Sl. No.</b>	<b>Subject</b>	<b>Decision of the Committee in the last meeting</b>	<b>Present Status</b>
	Specification (fourth revision) Doc: TED 07 (19611)	Comments received on draft TED 7 (19611) are attached at <b>Annexure 3</b> .  Committee may deliberate.  <b>Decision in 41<sup>st</sup> Meeting</b>  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	
5)	<b>IS 11031:2023</b> Recommendations for storage and handling of inner tubes, tube valves and flaps for use with Pneumatic tyres for automotive vehicles	<b>Status in 41<sup>st</sup> Meeting:</b>  Panel 1 meeting was held on 20.02.2024.  Minutes of Panel 1 meeting is attached at <b>Annexure 4</b> .	Sh. T Chakravarty provided the reference document vide mail dt. 04.04.2024, attached at <b>Annexure 5</b>  Subject was discussed in panel 1 meeting dated <b>21.9.2024</b>  Agenda & Minutes of Panel 1 meeting are attached at <b>Annexure 3</b> .
6)	<b>IS 11178:2023</b>  Recommendations for storage and handling of pneumatic tyres for automotive vehicles  Doc: TED 07(19696)	Committee may please deliberate.  <b>Decision in 41<sup>st</sup> Meeting</b>  Panel convenor briefed the panel recommendation. Committee deliberated and requested Shri T Chakravarty to provide the reference for suggested changes.  Further, it requested Panel 1 to deliberate and finalize its recommendation, once the input is received from Shri T Chakravarty.	Amendment to replace tarpaulin by opaque tarpaulin, may be taken after finalization of Mr T Chakravarty comment(as decided in 40 <sup>th</sup> meeting)  Committee may please deliberate.
7)	<b>Amendment in IS 13098:2024</b>  Automotive vehicles - Tubes for pneumatic tyres - Specification	<b>In 40<sup>th</sup> Meeting</b> Committee deliberated and decided 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.  <b>In 42<sup>nd</sup> Meeting</b>  (i) Input sought from CMD-III on IS 13098: 2012  Committee deliberated and mentioned that critical parameters have been addressed suitably in document shared by CMD.  (ii) Comment received from CIRT on IS 13098	IS 13098: 2024 has been published. Committee may please note.  Draft amendment 1 as decided during 42 <sup>nd</sup> meeting, has been issued into WC for 30 days.  <b>Doc No.</b> TED/07/26243  <b>WC Date:</b> 30.7.2024  Further comment from BAL was deliberated in Panel 1 meeting.  Minutes of Panel 1 meeting is attached at <b>Annexure- 3</b>  Committee may please deliberate.

Sl. No.	Subject	Decision of the Committee in the last meeting	Present Status
		<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 41<sup>st</sup> meeting minutes for agreed comment on IS 13098).</p> <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><b>Revision of IS 13154:2015</b></p> <p>Automotive vehicles - Tyres for agricultural tractors, implements and power tillers – Specification (First Revision) Doc: TED 07 (25810)</p>	<p><b>Status in 41<sup>st</sup> Meeting:</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> <p><b>Decision in 41<sup>st</sup> Meeting</b></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><b>WC Date:</b> 05/06/2024</p> <p><b>Doc No:</b> TED 7 (25810)</p> <p>Comments received from members are attached at <b>Annexure 6</b>.</p> <p>Committee may please deliberate.</p>

<i>Sl. No.</i>	<i>Subject</i>	<i>Decision of the Committee in the last meeting</i>	<i>Present Status</i>
9)	<p><b>Amendment to IS 15724: 2006</b> Automotive tyres – Re-treading procedure – Hot Process</p> <p>Doc: TED 07 (21201)</p>	<p><b>Status in 41<sup>st</sup> Meeting:</b> F-Draft is under preparation. Committee may please note it.</p> <p><b>Decision in 41<sup>st</sup> Meeting</b></p> <p><b>Committee noted the information.</b></p>	Draft document has been processed into Publication. Committee may please note.
10)	<p><b>IS/ISO 20562: 2014</b> — Tyre valves – ISO core chambers No. 1, No. 2 and No. 3</p>	<p><b>Status in 41<sup>st</sup> Meeting:</b></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><b>Decision in 41<sup>st</sup> Meeting</b></p> <p>Committee decided to re-affirm IS/ISO 20562: 2014.</p>	IS/ISO 20562 has been reaffirmed. Committee may please note
11)	<p><b>Revision of IS/ISO 28580: 2009</b></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><b>Status in 41<sup>st</sup> Meeting:</b></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><b>Decision in 41<sup>st</sup> Meeting</b></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 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</p>	<p>Updated National Foreword is attached at <b>Annexure 7</b></p> <p>Committee may please decide the further course of action.</p>

Sl. No.	Subject	Decision of the Committee in the last meeting	Present Status
		<p>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><b>Amendment in IS 15627</b></p> <p><b>Automotive Vehicles - Pneumatic Tyres for Two and Three - Wheeled Motor Vehicles - Specification</b></p>	<p><b>42<sup>nd</sup> Meeting Status</b></p> <p>Draft document has been processed into Publication.</p> <p>For editorial comment, F-Draft was circulated with committee members.</p> <p>Input received are attached at <b>Annexure 4</b></p> <p>Input received are attached at <b>Annexure 4</b></p> <p>Comments from ICAT has been included in F-Draft and it has been processed further.</p> <p>Committee may deliberate</p> <p>Regarding incorporation of Size 120/80R12, as decided by committee in 41<sup>st</sup> meeting, it will be taken up after publication of Amendment 1.</p> <p>Committee may please note.</p> <p><b>42<sup>nd</sup> Meeting Decision</b></p> <p>Committee accepted the ICAT comment and mentioned that ARAI comments are already addressed in the F-document.</p> <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>	<p>Amendment No. 1 to IS 15627 has been published.</p> <p>Committee may please note.</p> <p>As decided in 42<sup>nd</sup> Meeting draft amendment 2 to IS 15627 is attached at <b>Annexure 6</b>.</p> <p>Committee may please deliberate.</p>

Sl. No.	Subject	Decision of the Committee in the last meeting	Present Status
13)	<p><b>Amendment 1 to IS 15636</b></p> <p>Automotive vehicles - Pneumatic tyres for commercial vehicles - Diagonal and radial ply</p> <p>TED 7 (21145)</p>	<p><b>Status in 42<sup>nd</sup> Meeting:</b></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><b>Decision in 42<sup>nd</sup> Meeting</b></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 incorporating the agreed comments to be shared into WC of 30 days.</p>	<p>Draft document was received from ITTAC (attached at <b>Annexure 8</b>) vide mail dated 5.6.2024</p> <p>Further draft document TED 7 (21145) was updated as decided in 42<sup>nd</sup> Meeting.</p> <p>Updated draft document was issued into WC for 30 days.</p> <p><b>Doc no:</b> TED/07/21145</p> <p><b>WC date:</b> 14.6.2024</p> <p>Comments received on WC draft are attached at <b>Annexure 9</b></p> <p>Committee may please deliberate.</p>
14)	<p><b>Revision of IS 10694(Part 7):1983</b></p> <p>General requirements for rims for automotive vehicles Part 7</p> <p>Industrial truck rims</p>	<p><b>Status in 40<sup>th</sup> meeting</b></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 <b>Annexure-5</b>.</p> <p>Committee may please deliberate on panel recommendation.</p> <p><b>Decision in 40<sup>th</sup> Meeting</b></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>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 is as follows:</p> <p>IS 10694 Part 7 may be continued as it is and be revised when any input is received</p> <p>Committee may please deliberate.</p>

Sl. No.	Subject	Decision of the Committee in the last meeting	Present Status
		<p><b>Status in 41<sup>st</sup> Meeting:</b></p> <p>2nd 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> <p><b>Decision in 41<sup>st</sup> Meeting</b></p> <p>Shri Felix Prasad from Wheels India briefed the submitted comments. Committee deliberated and requested 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)	<p><b>IS 15725:2006</b> Automotive tyres - Tyre curing envelop – Cold process</p>	<p><b>Status in 41<sup>st</sup> Meeting:</b></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 &amp; IS 15725) were discussed for updating the referred standards.</p>	<p>Draft documents for amendment in IS 15523, 15704, IS 15709, IS 15731 and IS 15753 have been issued into WC for 30 dates.</p> <p><b>WC Date:</b> 27/6/2024</p> <p><b>Doc No: TED/07/26014</b> (for amendment in IS 15523)</p> <p><b>Doc No: TED/07/26015</b> (for amendment in IS 15704)</p>

<b>Sl. No.</b>	<b>Subject</b>	<b>Decision of the Committee in the last meeting</b>	<b>Present Status</b>
16)	<b>IS 15523: 2018</b>  Automotive tyres - Precured patches for repairing cross ply/ radial tyres and inner tubes - Specification (First Revision)	Minutes of panel 1 meeting attached at Annexure 4.  <b>Decision in 41<sup>st</sup> Meeting</b>  Panel 1 convenor briefed the panel recommendation.  Committee accepted the recommendation.  For ISO 6502 committee requested ITTAC to review and provide the correct reference to update in draft amendment document.  For IS 15704, committee requested Panel 1 to deliberate on Mr T Chakravarty comment and provide its recommendation for further deliberation.	<b>Doc No: TED/07/26017</b> (for amendment in IS 15709)  <b>Doc No: TED/07/26019</b> (for amendment in IS 15731)  <b>Doc No: TED/07/26018</b> (for amendment in IS 15753)  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.
17)	<b>IS 15524: 2018</b>  Automotive vehicles - Retreading of tyres by the pre - Cured process - Specification (First Revision)	For agreed comments/recommendations, Committee decided to issue the updated draft document into Wide circulation of 30 Days.	Observation on draft document TED/07/26019 was also shared with Panel 1  Observation made by Member Secretary was discussed in panel 1 meeting.
18)	<b>IS 15704: 2018</b>  Automotive vehicles - Retreaded pneumatic tyres for commercial vehicles - Specification (First Revision)		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 <b>Annexure-3</b>
19)	<b>IS 15709: 2018</b>  Automotive vehicles - Retreaded pneumatic tyres for passenger car - Specification (First Revision)		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>
20)	<b>IS 15731: 2018</b>  Automotive tyres- Selection and Inspection of retreadable tyre casing (First Revision)		Committee may please deliberate
21)	<b>IS 15753: 2007</b>  Automotive tyres - Tyre curing bladder - Cold process		

<b>Sl. No.</b>	<b>Subject</b>	<b>Decision of the Committee in the last meeting</b>	<b>Present Status</b>
22)	<b>IS 15780: 2007</b>  Automotive tyres - Repair of tyres and tubes used on motor vehicles		
23)	<b>IS 15794: 2007</b>  Road hazard impact test for wheel and tyre assemblies (Passenger Cars, Light Trucks And Multipurpose Vehicles)	<p><b>Status in 41<sup>st</sup> Meeting:</b></p> <p>Review report is awaited from Mahindra and Mahindra.</p> <p>Committee may please deliberate.</p> <p><b>Decision in 41<sup>st</sup> Meeting</b></p> <p>Shri Ram Singh from Mahindra briefed the comments and mentioned that the submitted comments are as per Industry practice and editorial in nature.</p> <p>Committee deliberated and decided as given in Annexure-1.</p>	<p>Draft document has been issued into WC for 30 days.</p> <p><b>Doc No:</b> TED/07/26231</p> <p><b>Date:</b> 25.7.2024</p> <p>No comment is received on draft amendment document.</p> <p>Committee may please deliberate.</p>
24)	<b>IS 13444: 1992</b> Animal drawn vehicles - Pneumatic tyres - Specification	<p><b>Status in 41<sup>st</sup> Meeting:</b></p> <p>Draft document TED (21265) is under publication.</p> <p>Committee may please note.</p> <p><b>Decision in 41<sup>st</sup> Meeting</b></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>
25)	<b>IS 10694 (Part 4): 1983</b>  General requirements for rims for automotive vehicles: Part 4 scooter and scooter derivative rims	<p><b>Status in 41<sup>st</sup> Meeting:</b></p> <p>2<sup>nd</sup> meeting of Panel 3 was held on 02.01.2024. Minutes attached at Annexure 7.</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> <p><b>Decision in 41<sup>st</sup> Meeting</b></p> <p>Committee deliberated and requested UNO Munda, Rockman and Klassic Wheel to provide the updated</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 from intern is as below:</p> <p>IS 10694 Part 4 may be continued as it is and be revised when any input is received</p> <p>Committee may deliberate</p>

<b>Sl. No.</b>	<b>Subject</b>	<b>Decision of the Committee in the last meeting</b>	<b>Present Status</b>
		<p>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>	
26)	<p><b>IS 9436: 2018</b></p> <p>Performance requirements and methods of test for wheels for passenger cars, quadricycles and mini goods carriers (First Revision)</p>	<p><b>Status in 42<sup>nd</sup> Meeting:</b> 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><b>Decision in 42<sup>nd</sup> Meeting</b></p> <p>Committee deliberated and decided to process the amendment document to publication.</p>	<p>Amendment no. 2 to IS 9436 has been published.</p> <p>Committee may please note</p>
27)	<p><b>IS 9438: 2018</b></p> <p>Performance requirements and methods of tests for wheels/ rims for trucks and buses (First Revision)</p>	<p><b>Status in 41<sup>st</sup> Meeting:</b></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"> <li>• MKA has no comment on draft document TED/7/24571</li> <li>• MSIL: No comment</li> </ul> <p>TED 7 (24612) WC Date : 09.01.2024</p> <p>Comments on TED 7 (24612):</p> <ul style="list-style-type: none"> <li>•MSIL: No comment</li> </ul> <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><b>Decision in 41<sup>st</sup> Meeting</b></p>	<p>Amendment no. 2 to IS 9438 has been published.</p> <p>No input is received from <b>SIAM, MSIL</b> and <b>ACMA</b> regarding 17'' rim size.</p> <p>15'' will be included through amendment 3 as decided in 42<sup>nd</sup> 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 <b>Annexure 10</b>.</p> <p>Committee may please deliberate.</p>

Sl. No.	Subject	Decision of the Committee in the last meeting	Present Status
		<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 on manufacturer declaration) for additional size.</p> <p><b>Status in 42<sup>nd</sup> Meeting:</b> F-Drafts were circulated with committee members for editorial comment vide mail dated 1.5.2024 Inputs received from Committee members are attached at <b>Annexure 1</b> Committee may please deliberate</p> <p><b>Decision in 42<sup>nd</sup> Meeting</b> Committee deliberated and decided as given in <b>Annexure A.</b> It decided to process the document to publication after incorporating the agreed comments.</p>	
28)	<b>IS 16192 Part 1, IS 16192 Part 2 and IS 16192 Part 3</b>	<p><b>Status in 41<sup>st</sup> Meeting:</b></p> <ul style="list-style-type: none"> <li>• IS 16192 Part 1: 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> <p><b>Decision in 41<sup>st</sup> Meeting</b></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 <b>5.1</b> also</p> <p><b>Status in 42<sup>nd</sup> Meeting:</b></p> <p>Please refer 3.1 of 42<sup>nd</sup> Minutes</p> <p><b>Decision in 42<sup>nd</sup> Meeting:</b></p>	<p><b>IS 16192 Part 1:</b></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><b>Doc No.:</b> TED/07/24492</p> <p><b>WC Date:</b> 30/7/2024</p> <p>Committee may please deliberate.</p> <p><b>IS 16192 Part 2:</b></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 have been included in the agenda of Panel 3 meeting. Panel 3 meeting is scheduled on 13.9.2024.</p> <p>Committee may please note/deliberate.</p> <p><b>IS 16192 Part 3:</b></p>

<b>Sl. No.</b>	<b>Subject</b>	<b>Decision of the Committee in the last meeting</b>	<b>Present Status</b>
		Committee deliberated and decided as given in Annexure B of Minutes of 42 <sup>nd</sup> meeting.	Amendment 2 to IS 16192 Part 3 is under publication.  Committee may please note.
29)	<b>IS 16192 Part 3</b>	<b>Decision in 41<sup>st</sup> Meeting</b> Committee deliberated and decided to reaffirm and continue the amendment parallelly	IS 16192 Part 3 has been reaffirmed. Committee may please note it.
30)	<b>IS 12750:1989  ISO 8644 &amp; 8645: 1988</b>  Method of test for light alloy wheels for motorcycles and mopeds	<b>Status in 40th meeting</b>  As recommended by TED 7 committee for withdrawal- it will be taken up in TEDC meeting for further deliberation.  <b>Decision in 40th meeting:</b> Committee noted the information.	The Subject was discussed in 30 <sup>th</sup> meeting of TEDC.  Council Approved the withdrawal of IS 12750: 1989, IS 10694 (Part 8) and IS 13196.  .
31)	<b>IS 10694 Part 8</b>  AUTOMOTIVE VEHICLES — RIMS — GENERAL REQUIREMENTS PART 8: EARTHMOVING MACHINE RIMS	<b>Status in 41<sup>st</sup> Meeting:</b>  As recommended by TED 7 committee for withdrawal- it will be taken up in TEDC meeting for further deliberation.  <b>Decision in 41<sup>st</sup> Meeting</b>  Committee noted the information.	Committee may please note
32)	<b>IS 13196: 1991</b>  Automotive vehicles — Light alloys wheels for motorcycles — Specification	<b>Status in 41<sup>st</sup> Meeting:</b>  As recommended by TED 7 committee for withdrawal- it will be taken up in TEDC meeting for further deliberation  <b>Decision in 41<sup>st</sup> Meeting</b>  <b>Committee noted the information.</b>	
33)	<b>IS 9643: 1980</b>  Non-skid type chain assembly for tyres – Single type	<b>Status in 40th meeting:</b>  Review was allocated to SIAM. No input was received from SIAM.  During the 37th meeting of TED 7, committee reviewed IS 9643: 1980 and decided to reaffirm.  <b>Decision in 40th meeting:</b>  It decided to reaffirm the standard and archive it.	IS 9436 has been reaffirmed and achieved.  Committee may please note.

<b>Sl. No.</b>	<b>Subject</b>	<b>Decision of the Committee in the last meeting</b>	<b>Present Status</b>
		<p><b>Status in 41<sup>st</sup> Meeting:</b></p> <p>Review report was circulated through BIS Portal dated 07.02.2024</p> <p>Committee may deliberate.</p> <p><b>Decision in 41<sup>st</sup> Meeting</b></p> <p>It decided to reaffirm the standard and archive it.</p>	
34)	<p><b>Amendment in IS 18258: 2023</b></p> <p>Evaluation of Tyres with regard to Rolling Sound Emission and or to adhesion on wet surface and or to Rolling Resistanace</p>	<p><b>Status in 41<sup>st</sup> Meeting:</b></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), and Mahindra Research Valley (vide mail dated 26.2.24) are attached at <b>Annexure 13</b>.</p> <p>Committee may please deliberate.</p> <p><b>Decision in 41<sup>st</sup> Meeting</b></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>B-5.2</b> 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>Panel 4 meeting was held on 28.8.2024.</p> <p>Minutes of Panel 4 is attached at <b>Annexure 11</b>.</p> <p>Committee may please deliberate.</p>
35)	<p><b>IS 9168: 2018</b></p> <p>Automotive vehicle - All rubber flaps for pneumatic tyres - Specification (Second Revision)</p>	<p><b>42<sup>nd</sup> Meeting Status:</b></p> <p>Comments received on IS 9168 are attached at Annexure 12.</p> <p>Committee may deliberate.</p> <p><b>Decision in 42<sup>nd</sup> Meeting:</b></p> <p>Committee deliberated and requested Panel 1 to deliberate in detail and provide its recommendation.</p>	<p>Committee deliberated and requested Panel 1 to deliberate in detail and provide its recommendation.</p> <p>Subject not yet discussed in Panel 1 meeting. May be discussed in next meeting of Panel 1 scheduled on <b>18.9.2024</b>.</p> <p>Agenda and Minutes of the Panel meetings are attached at <b>Annexure 3</b>.</p>
36)	<p><b>IS 13243 : 2014</b></p> <p>Automotive vehicles - Commercial vehicles -</p>	<p><b>41<sup>st</sup> Meeting Decision:</b> Committee deliberated and decided to reaffirm and revise the standard, as it is based on ISO 4107: 2010 and ISO 4107 has been</p>	<p>Subject was deliberated in Panel 3 meeting dt 28.6.2024</p>

<b>Sl. No.</b>	<b>Subject</b>	<b>Decision of the Committee in the last meeting</b>	<b>Present Status</b>
	Attachments on hubs for wheels - Dimensions (First Revision)	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.	Minutes of Panel 3 meeting attached at <b>Annexure 4</b> .  Committee may please deliberate.
37)	<b>CQAV Request for formulation of new standards for storage life of tyre and Service life of tyre</b>	<b>41<sup>st</sup> meeting Decision:</b> 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 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.	Subject was discussed in Panel 1 meeting dated.  Minutes of the Panel 1 meeting is attached at .  Committee may please deliberate.
38)	<b>IS 9453: 2014</b> Valve caps for tyre tube valves for automotive vehicles - Specification Second Revision	<b>Decision in 41<sup>st</sup> Meeting:</b> Committee deliberated and decided to reaffirm the given standards.	IS 9453 and IS 12098 has been reaffirmed. Committee may please note
39)	<b>IS 12098:1987</b> Rim wheels for pneumatic tyres for animal drawn vehicles – Specification		
40)	<b>IS 10694 Part 2</b> 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 <b>Annexure 12</b>
41)	<b>IS 10694 Part 3</b> Automotive vehicles - Rims - General requirements: Part 3 commercial vehicle rims (Second Revision)		
42)	<b>IS 10694 Part 5</b>  General requirements for rims for automotive vehicles: Part 5 moped, motorcycle and motorcycle derivative rims (First Revision)		

<b>Sl. No.</b>	<b>Subject</b>	<b>Decision of the Committee in the last meeting</b>	<b>Present Status</b>
43)	<b>IS 10694 Part 6</b> Automotive vehicles - Rims - General requirements: Part 6 rims for agricultural 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**

#### **41<sup>st</sup> Meeting Decision:**

The committee deliberated and approved the subject for R&D. It tasked panel 1 to deliberate and update the draft Terms of Reference (ToR). Committee mentioned that approval of ToR may be taken through circulation, once it is updated by Panel 1.

**Present Status:** Subject is under discussion in Panel 1. Committee may please deliberate.

## **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 41<sup>st</sup> meeting minutes)

#### **41<sup>st</sup> Meeting Decision:**

Shri Rakesh Kumar from CMD-III briefed the comment. Committee deliberated and mentioned that variation in thickness as design parameter can affect the performance. It further decided to continue the subject under discussion in Panel 3 and committee.

#### **Present status:**

Panel 3 meeting is planned on 13.9.2024. For detail of Panel 3 meeting, please refer **Annexure 4**.

Committee may deliberate.

**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 41<sup>st</sup> meeting minutes)

**41<sup>st</sup> and 42<sup>nd</sup> Meeting Decision:** Please refer the minutes of 41<sup>st</sup> and 42<sup>nd</sup> meeting

**Present Status:** Amendment 2 to IS 16192 Part 2 has been published. Draft document for inclusion of Hybrid Wheel is under discussion in Panel 3. Panel 3 meeting was held on 28.6.2024 and next meeting of Panel 3 is planned on 13.9.2024. For detail of Panel 3 meeting, please refer the **Annexure 3**.

### **5.1.3 Wire spoke wheel rim**

(reference: Please refer 5.1.5 of 41<sup>st</sup> meeting minutes)

**41<sup>st</sup> and 42<sup>nd</sup> Meeting Decision:** Please refer the minutes of 41<sup>st</sup> and 42<sup>nd</sup> meeting

#### **Present Status:**

As decided in 40<sup>th</sup> meeting, to continue the study on dynamic test, subject is under discussion in Panel 3. Panel 3 meeting was held on 28.6.2024 and next meeting of Panel 3 is planned on 13.9.2024. For detail of Panel 3 meeting, please refer **Annexure 3**.

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

(reference: Please refer 5.1.6 of 41<sup>st</sup> meeting minutes)

#### **41<sup>st</sup> Meeting Decision:**

Committee requested Sub-panel 2 (Maxion, WIL, TML) to provide the input for IS 9436 and IS 9438. It requested Panel 3 to deliberate on inputs of Subpanel 1 and subpanel 2, and provide the recommendation for further deliberation.

**Present Status:** Input from Sub-panel 2 is awaited. Sub-Panel may brief the status. Committee may deliberate.

### **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 41<sup>st</sup> meeting minutes, 1.2.2 of 42<sup>nd</sup> meeting minutes)

#### **42<sup>nd</sup> Meeting Decision:**

Committee deliberated and decided that in the 41st meeting, it was decided to remove the test requirement for change in location from the standard through amendment, however based on ICAT feedback, it shall be discussed in panel 2 meeting in detail again, taking in account of QCO, product manual, COP procedure and etc. It further added that no change is required in 41st meeting minutes and committee will deliberate further, once panel 2 recommendation is received.

**Present Status:** Subject was discussed in Panel 2 meeting. For detail of Panel 2 meeting, please refer **Annexure 10**.

### **5.1.6 Clarification Request Received from Arihant Udyog**

(reference: Please refer SI No 8 of Item 3 of 41<sup>st</sup> meeting minutes)

#### **42<sup>nd</sup> meeting Decision:**

Shri Piyush briefed the query and mentioned that the wheel is for motorcycle application and it will be supplied to OEM (BMEV).

Shri Vinod from BMEV mentioned that the product is intended for use in motorcycles designed for everyday activities. He also mentioned that they have received the certificate for the tire in accordance with IS 15627.

Pictures of Vehicles and Wheel attached at Annexure C.

Committee deliberated in detail and requested following information from Arihant Udyog and BMEV:

- Whether such wheel Rims are referred in any standards
- Whether profile, bead etc are in-line with manuals and standards.
- Whether construction is similar to normal wheel or different, if different then what are the differences.
- Category of vehicle as per CMVR / IS 14272
- Type approval certificate of Tyre

The committee requested Panel 3 to thoroughly deliberate and provide its recommendation once the details are received from Arihant Udyog/BMEV.

**Present Status:** Input received from BMEV was discussed in Panel 3 meeting. For detail of Panel 3 meeting, please refer **Annexure 4**.

**Committee may please deliberate.**

**5.1.7 Comment/Clarification/input received on IS 9436 and review report:**  
(reference: Please refer 4.4 of 42<sup>nd</sup> meeting minutes)

**Decision in 42<sup>nd</sup> Meeting**

Committee decided to reaffirm IS 9436 and to take-up the received comments into Panel 2 meeting for further deliberation. For Marking clause (date of manufacturing...) some of the committee members mentioned that marking in form of codification system can cause confusion among user. Committee deliberated and requested Panel 2 to review the marking on tyres and vehicles also and deliberate in detail.

It requested Panel 2 to deliberate on each comment in detail and provide its recommendation for further deliberation.

**Present Status:** IS 9436 has been reaffirmed. Comments were discussed in Panel 2 meeting. Minutes of the Panel 2 meeting is attached at **Annexure 10**.  
Committee may please deliberate.

**5.1.8 Comment/Clarification/input received on IS 9438 and review report:**  
(reference: Please refer 4.5 of 42<sup>nd</sup> meeting minutes)

**Decision in 42<sup>nd</sup> Meeting**

Committee decided to reaffirm IS 9438 and to take-up the received comments into Panel 2 meeting. It requested Panel 2 to deliberate and provide its recommendation for further deliberation. Please refer item **4.4** also.

**Present Status:** IS 9438 has been reaffirmed. Comments were discussed in Panel 2 meeting. Minutes of the Panel 2 meeting is attached at **Annexure 10**.

Committee may please deliberate.

**5.1.9 Comments received on IS 16192 Part 3 from ICAT**  
(reference: Please refer 4.7 of 42<sup>nd</sup> meeting minutes)

**Decision in 42<sup>nd</sup> Meeting:** Committee deliberated and decided to take-up ICAT proposal in Panel 3 meeting for deliberation.

**Present Status:** Comments were discussed in Panel 3 meeting. Minutes of the Panel 3 meeting is attached at **Annexure 4**.

Committee may please deliberate.

**5.2 CLARIFICATION REQUEST RECEIVED FROM MINDA KOSEI ON IS 10694 PART 1**  
(reference: Please refer 5.2 of 41<sup>st</sup> meeting minutes)

**41st Meeting Decision:**

Committee deliberated and requested Panel 3 to deliberate it along with the draft document (for revision, once received from Maxion) and provide its recommendation.

**Present Status:** Draft document from Maxion is awaited. Committee may deliberate.

### **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 42<sup>nd</sup> meeting minutes)

##### **42<sup>nd</sup> meeting:**

Shri Raju from TKM briefed the comment. Committee deliberated and decided that no change is required in the minutes of 41<sup>st</sup> meeting. However, committee mentioned that for panel and committee meetings, stakeholders should share the relevant data with each other required for deliberation. Committee mentioned that wherever the issue of overlapping of M1, N1 and other category of vehicles are occurring, should be addressed in appropriate manner. It requested Panel 1 to deliberate in detail and review the scope of IS 15627, IS 15633 and IS 15636, and provide its recommendation.

**Present Status:** Subject was discussed in Panel 1 meeting. Minutes of the panel 1 meeting is attached at **Annexure 3**. Committee may please deliberate.

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

(reference: Please refer 5.5.3 of 41<sup>st</sup> meeting minutes)

##### **41<sup>st</sup> Meeting Decision:**

a) Shri Shivam Aggarwal from FMCD briefed the clarification request. ITTAC mentioned that HL is new category of tyre and is recently introduced in ETRTO and ECE. Currently this subject is under discussion in ITTAC. Shri Ashish from Michelin mentioned that for HL category tyres, additional tests are not required, except the marking requirement. Committee deliberated at length and requested Panel 1 to deliberate on HL category tyre and requirements. Further it requested Panel 1 to deliberate in detail and provide suitable draft for amendment in IS 15633 within 30 days. It requested BIS to incorporate the input received from Panel 1 in the draft amendment and circulate it to Wide circulation for 30 days with approval of Chairperson.

b) Shri Shivam Aggarwal from FMCD briefed the clarification request. Committee requested ITTAC to review the literatures available, internal test reports for recommended and alternate rims and provide the input for rationalizing the use of recommended and alternate rims in IS 15627, IS 15633 and IS 15636 for various tests. Further it decided Panel 1 to deliberate and provide its recommendation.

##### **Present Status:**

- Draft document (containing provision of HL category) shared by ITTAC, as decided in 42<sup>nd</sup> meeting, has been issued into WC (please refer SI No 1 of Item 3).
- Use of Recommended and alternate rims was discussed in Panel 1 meeting. Minutes of Panel 1 meeting is attached at **Annexure 3**.

Committee may please deliberate.

#### **5.3.3 Comment from Michelin**

(reference: Please refer 5.5.5 of 41<sup>st</sup> meeting minutes)

**41<sup>st</sup> meeting Decision:** Please refer item (5.5.3) of 41<sup>st</sup> meeting minutes.

**Present Status:** Draft document (containing provision of HL category) shared by ITTAC, as decided in 42<sup>nd</sup> meeting, has been issued into WC (please refer SI No 1 of Item 3).

Committee may please deliberate.

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

(reference: Please refer 4.3 of 42<sup>nd</sup> meeting minutes)

### **Decision in 42<sup>nd</sup> Meeting**

Member Secretary briefed the query received from FMCD. Shri Ashish from Michelin briefed his input. ITTAC mentioned that MPT category was not included in the standard and ITTAC manual, as previously it was not required for Indian market/user. The Committee deliberated at length and asked ITTAC and SIAM to review the international standards and necessity of Indian Industries. It requested these organizations to provide detailed information to Panel 1 on additional tyre categories that should be included in Indian Standards to ensure the timely fulfilment of the requirements of Indian industries.

Panel 1 to deliberate and provide its recommendation for inclusion of MPT category and other categories (if any).

**Present Status:** Subject was deliberated in Panel 1 meeting. Minutes of the Panel 1 meeting is attached at **Annexure 3**.

Committee may please deliberate.

### **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**

Comment received from IRMRA is attached at **Annexure 13**. Committee may please deliberate.

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

Comment received from IRMRA is attached at **Annexure 13**. Committee may please deliberate.

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

Comment received from IRMRA was discussed in Panel 1 meeting. Comments is attached at **A-3.3** (under Annexure 3).

Committee may please deliberate.

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

Comment received from IRMRA is attached at **Annexure 13**. Committee may please deliberate.

### **5.3.6 CLARIFICATION REQUEST FROM MR SATISH KAKKAD AND FMCS**

Clarification request received, is attached at **Annexure 14**. Committee may please deliberate.

### **5.4 COMMENTS RECEIVED FROM MR HIMESH SHAH ON IS 9081**

Comments received from Sonil Ventilfabrik, is attached at **Annexure 15**. 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.

**6.2** List of Standards due for review in Year 2024-25 are as below:

S.No	IS Number	Title	Last Reaffirmation Year
1	IS 10694 (Part 2) : 2009 Reviewed In : 2019	Automotive vehicles - Rims - General requirements: Part 2 passenger car (Second Revision)	2019

S.No	IS Number	Title	Last Reaffirmation Year
2	IS 10694 (Part 3) : 2009 Reviewed In : 2019	Automotive vehicles - Rims - General requirements: Part 3 commercial vehicle rims (Second Revision)	2019
3	IS 10694 (Part 4) : 1983 Reviewed In : 2019	General requirements for rims for automotive vehicles: Part 4 scooter and scooter derivative rims	2019
4	IS 10694 (Part 5) : 1987 Reviewed In : 2019	General requirements for rims for automotive vehicles: Part 5 moped, motorcycle and motorcycle derivative rims (First Revision)	2019
5	IS 10694 (Part 6) : 2009 Reviewed In : 2019	Automotive vehicles - Rims - General requirements: Part 6 rims for agricultural tractors, tillers and implements (Second Revision)	2019
6	IS 12098 : 1987 Reviewed In : 2019	Specification for rim wheels for pneumatic tyres for animal drawn vehicles	2019
7	IS 13531 : 2005 Reviewed In : 2019	Automotive tyres - Tyre - Retreading materials for mould cure process (First Revision)	2019
8	IS 15563 : 2005 Reviewed In : 2019	Passenger car tyres - Methods for measuring rolling circumference - Loaded new tyres	2019
9	IS 15645 : 2014 Reviewed In : 2019	Road vehicles - Light alloy wheels - Impact test (First Revision)	2019
10	IS/ISO 18164 : 2005 Reviewed In : 2019	Passenger car, truck, bus and motorcycle tyres - Methods of measuring rolling resistance	2019
11	IS/ISO 4570 : 2002 Reviewed In : 2019	Tyre valve threads	2019
12	IS 16192 (Part 1) : 2014 Reviewed In : 2019	Automotive vehicles - Wheel rims for two and three wheeled vehicles: Part 1 light alloy wheel rims - Method of tests and requirements	2019
13	IS 16192 (Part 2) : 2014 Reviewed In : 2019	Automotive vehicles - Wheel rims for two and three wheeled vehicles: Part 2 sheet metal wheel rims - Method of tests and requirements	2019
14	IS/ISO 14960-2 : 2014 Reviewed In : 2019	Tubeless tyres - Valves and components: Part 2 clamp - In tubeless tyre valve - Test method	2019
15	IS 10694 (Part 1) : 2009 Reviewed In : 2017	Automotive vehicles - Rims - General requirements: Part 1 nomenclature, designation, marking and measurement (First Revision)	2017
16	IS 15724 : 2006 Reviewed In : 2017	Automotive tyres - Retreading procedure - Hot process	2017
17	IS/ISO 28580 : 2009 Reviewed In : 2017	Passenger car, truck and bus tyres - Methods of measuring rolling resistance - Single point test and correlation of measurement results	2017

Committee may please deliberate.

## ITEM 7 NEW WORK ITEM PROPOSAL

**7.1** No new work item proposal is received.

### 7.2 REGARDING CODE OF PRACTICE STANDARD ON SUSTAINABLE PRACTICES

As Indian Standards are formulated and taken to large-scale implementation by all the stakeholders, addressing sustainability in standards would not only result in achieving Sustainable Development Goals but also leads to inclusive growth of the industry. Hence, it is now utmost necessary that the sustainability dimension is be deeply ingrained in Indian Standards.

Addressing sustainability poses many challenges and will require a paradigm shift in the way standards are made. Such standard may be a product, process, system, service or even test method standard. Such standards could be horizontal or cross-cutting that provide guidance to all types of organizations regardless of their size or location

Considering the above, A Structure of Code of Practice Standard on Sustainable Practices to be followed for Different Sectors, is prepared by BIS. Structure has been shared with committee members vide mail dated 22 JULY 2024.

In transport Engineering department, Tyre is identified as one of the key Area for which, code of Practice standard on Sustainable Practices may be developed on Priority.

**Committee may please deliberate for formulation of Indian Standard as above.**

## **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 take up the subjects for standardization.

## **ITEM 9 INTERNATIONAL ACTIVITIES**

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

<b>ISO Subcommittee</b>	<b>Title</b>	<b>Status</b>
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	P
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

**9.2** 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.

**9.3** 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.

**9.4** Guideline received from PNC (Planning and Coordination Department) for adoption of ISO/IEC standards and designation of experts for ISO/IEC projects, are attached at **Annexure 16**. Committee may please note

**9.5** Members Nominated in Working Group of ISO may brief the status of development happening in ISO.

**9.6** Report from Delegation (Shri August Dubey, Shri T Chakravarty), which participated in ISO TC 31 SC 4

**9.7 IR PORTAL- FOR BALLOT-** Brief by Member Secretary

## **ITEM 10 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 11 DATE AND PLACE FOR THE NEXT MEETING**

44 <sup>th</sup> Meeting	10 January 2025
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As per the Annual meeting calendar, next meeting will be planned on 10 January 2025. Committee may please note.

## **ITEM 12 ANY OTHER BUSINESS**

