

**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	Fortieth (40 <sup>th</sup> )	1 <sup>st</sup> December 2023 at 10: 30 AM	Friday	Physical Meeting (BIS HQ, New Delhi )

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

**MEMBER SECRETARY:** August Dubey

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

**HEAD TED :** Sh. P V Srikanth

**ITEM 0 WELCOME AND INTRODUCTORY REMARKS**

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

The minutes of the 39<sup>th</sup> meeting of Automotive Tyres, Tubes and Rims Sectional Committee, TED 7 held virtually on 28.08.2023 was circulated vide BIS Portal dated 31.08.2023. Members were requested to send their comments on recording of the proceeding at earliest. Comments received on minutes of the meeting is as follows:

Sl No	Comments Received from	Comment
1	Shri T Chakravarty	<i>Regarding ITEM 1 CONFIRMATION OF THE MINUTES OF PREVIOUS MEETING, while participation in SC6 has been addressed, I had requested that TED 7 should also participate in SC5 and SC7 which are important to India. Since the task of SC6 has been assigned, the task of SC5 and SC7 can also be assigned appropriately by TED7.</i>

Committee may please deliberate on comments received from Mr T Chakravarty and finalize the minutes of 39<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 Error! Reference source not found.

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.

**2.8Co-option request:** Following Co-option requests have been received in TED 7

SI No.	Organization	Request by	Remarks
1)	Honda Motorcycle and Scooter India Private Limited, Gurgaon	Shri Arpan Shukla	Co-option request was received vide BIS Portal dated 7.9.2023

In 37<sup>th</sup> meeting, the committee had co-opted Shri T Chakravarty in TED 7 committee, in personal capacity. It is observed that he is engaged as consultant with an International Organization (R&D Consultant ALP (Overseas) Pvt. Ltd). Committee may please deliberate on nomination of Shri T Chakravarty.

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

Panel No	Subject/Area	Convenor	Members	Remarks
Panel 1	Tyres and Tubes	ITTAC	IRMRA, CIRT, ARAI, ICAT and SIAM.	Other relevant committee member may also join panel meeting for discussion.
Panel 2	Rims and valves	Convenor: ARAI Chair: Sh. Sunil Bhatambrekar (Kalyani Maxion)	SIAM, ARAI, ACMA, ITTAC, Triton valve, Hero Moto corp, ICAT, CIRT	

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>
1)	<p><b>Draft Amendment in IS 15633: 2022</b></p> <p><b>TED 7 (21131)</b></p> <p>Automotive vehicles - pneumatic tyres for passenger car vehicles - diagonal and radial ply</p>	<p><b>39<sup>th</sup> meeting Decision:</b></p> <p>Panel 1 convenor briefed the panel recommendation to the committee. Committee deliberated at length and decided as given in Annex-B. Further committee decided to process the draft amendment document in publication after incorporating the agreed comments and authorized the member secretary to carry out editorial corrections, if any. Committee took the reference from 37<sup>th</sup> meeting and decided that before processing the document to publication, F-Draft may be circulated to Panel-1 for input related to editorial correction in draft amendment document, If any. In case any input is received regarding editorial change from Panel 1, it to be incorporated in F-Draft with the approval of Chairperson and processed to publication. Committee also deliberated on CMD-III comments on IS 15633 and IS 15636, and decided as given in Annex- D</p>	<p>Draft document TED 7 (21131) has been published as Amendment 1 to IS 15633.</p> <p>Committee may please note.</p>
2)	<p>New proposal for <b>Method of Test for Snap-in Tubeless Tyre Valves</b></p> <p>Adoption of ISO 14960-1 <b>Doc: TED/7/19592</b></p>	<p>The Committee accepted the proposal of Kalyani Maxion Wheels Pvt. Ltd. for formulation of a standard on <b>“Method of Test for Snap-in Tubeless Tyre Valves</b>. Shri Bhatambrekar was requested to provide the draft document to BIS Sectt. for circulation as P- Draft for 30 days.</p> <p><b>37<sup>th</sup> Meeting:</b></p> <p>Committee decided to drop the document TED/07/19592 from BIS Portal and to reaffirm IS 15945. Further, it was decided that once the required dimension (8.8 rim hole size) is updated in ISO, ISO will be adopted.</p>	<p>IS 15945 has been reaffirmed. Committee may please note.</p>

<i>Sl No</i>	<i>Subject</i>	<i>Decision of the Committee in the last meeting</i>	<i>Present Status</i>
3)	<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:</b> TED/07/20722</p>	<p><b><u>Status of 37<sup>th</sup> meeting</u></b></p> <p>Document TED 07 (20722) has been submitted to HTED for approval to process for publication.</p> <p>Committee may please note the status of the document.</p> <p><b>37<sup>th</sup> meeting Decision:</b>  Committee noted the information given in the agenda</p>	<p>Draft document TED 7 (20722) has been processed for publication.</p> <p>Committee may please note.</p>
4)	<p><b>Adoption of ISO Standards</b></p> <p>a) ISO 16392:2017 Tyres -- Electrical resistance -- Test method for measuring electrical resistance of tyres on a test rig</p> <p>b) ISO 14960-1:2014 Tubeless tyres -- Valves and components -- Part 1: Test methods</p> <p>c) ISO 18885-1:2017 TPMS snap-in valves -- Part 1: Identification</p> <p>d) ISO 18885-2:2017 TPMS snap-in valves -- Part 2: Valve environment</p> <p>e) ISO 18885-3:2017 TPMS snap-in valves -- Part 3: Performance</p>	<p><b>Status in 37<sup>th</sup> meeting:</b></p> <p>Documents TED/07/19591, TED/07/19593 and TED/07/19596) has been processed for publication.</p> <p>Document TED/07/19594 has been submitted to HTED for approval to process for publication.</p> <p>For TED/07/19592, please refer Sr No 3 of ITEM 3,  Committee may please note the status of the above documents.</p> <p><b>Decision in 37<sup>th</sup> meeting:</b>  Committee noted the information given in the agenda</p>	<p>Documents TED/07/19591, TED/07/19593, TED/07/19594 and TED/07/19596) have been published as</p> <p>IS/ISO 16392: 2017  IS/ISO 18885-1: 2017  IS/ISO 18885-2: 2017  IS/ISO 18885-3: 2017</p> <p>For TED/07/19592, please refer Sr No 3 of ITEM 3,</p> <p>Committee may please note.</p>

<i>Sl No</i>	<i>Subject</i>	<i>Decision of the Committee in the last meeting</i>	<i>Present Status</i>
5)	<p><b>Comment IS 10694 (Part 1): 2009 Amd 1 AUTOMOTIVE VEHICLES — RIMS — GENERAL REQUIREMENTS</b></p> <p><b>Doc:</b> TED 07 (21198)W</p>	<p><b><u>Status in 37<sup>th</sup> meeting:</u></b></p> <p>For deliberation on comments received from M/s Kalyani, M/s Maxion, M/s MSIL and BIS, panel-2 meeting was held on 6/4/2023. Minutes of the panel-2 meeting is attached at Annex-3</p> <p>Panel convenor may brief the minutes.</p> <p>Committee may please deliberate and decide the further course of action on the document.</p> <p><b><u>Decision in 37<sup>th</sup> meeting:</u></b></p> <p>Panel convenor briefed the minutes.</p> <p>Committee deliberated on comments received and Panel recommendation and decided as given in Annex-B.</p> <p>Further committee decided to incorporate all the agreed comments in draft document and issue it in WC of 30 days again.</p> <p>Committee decided that if no comments are received within 30 days WC period, document TED/07/21198 would be processed for publication.</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>Comments on Marking clause from MSIL and Kalyani Maxion are attached at <b>Annexure-10</b>.</p> <p>Partially updated draft (except marking clause) is attached at <b>Annexure-11</b>.</p> <p>Committee may please deliberate again</p>
6)	<p>IS 9081:2017 Automotive vehicles – Valves and valve Accessories for pneumatic tyres – Specification (fourth revision)</p> <p><b>Doc:</b> TED 07 (19611)</p>	<p><b><u>Status of 37<sup>th</sup> meeting</u></b></p> <p>Comments received from Mr Anoop Chandra were discussed in panel-2 meeting held on 6/4/2023. Minutes of the P-2 meeting is attached at Annex-3</p> <p>Committee may please deliberate on above and decide to process the document for publication.</p> <p><b><u>Decision of 37<sup>th</sup> Meeting</u></b></p> <p>Panel convenor briefed the minutes and committee agreed on panel recommendation.</p> <p>Further committee decided to incorporate all the agreed comments in draft document and issue it in WC of 30 days again.</p> <p>Committee decided that if no comments are received within 30 days WC period, document would be processed for publication.</p>	<p>Draft Document TED 7 (19611) has been issued into WC for 30 days.</p> <p><b>WC Date:</b> 29.9.2023</p> <p>Comments received from Triton valve vide mail dated 19.10.2023:</p> <p>Quick follow-up on the IS 9081 latest draft that includes core chamber CC3 diagrams for various valves.</p> <p>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.</p> <p>Draft received from triton is attached at <b>Annexure 2</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>
7)	IS 10939: 2000 Designation system for tyre tube valves for automotive vehicles (first revision) <b>Doc: TED/07/19641</b>	<b><u>Status of 37<sup>th</sup> meeting</u></b> Document TED 7 (19641) has been processed for publication. Committee may note the status of the document.  <b><u>Decision of 37<sup>th</sup> Meeting</u></b>  Committee noted the information given in the agenda.	Document TED 7 (19641) has been published as IS 10939: 2023.  Committee may please note.
8)	IS 11031:1984 Recommendations for storage and handling of inner tubes, tube valves and flaps for use with Pneumatic tyres for automotive vehicles  <b>Doc: TED 07(19697)</b>	<b><u>Status of 37<sup>th</sup> meeting</u></b>  Document TED 7 (19641) and TED 7 (19696) have been processed for publication. Comments received on IS 11031 and IS 11178 from Mr Anoop Chandra and Sh. T Chakravarty are attached at Annex-4 Committee may deliberate on above, please.  <b><u>Decision of 37<sup>th</sup> Meeting</u></b>	<b>Minutes of the Panel 1 meeting, held on 21 November 2023, is attached at Annexure-12.</b>  <b>Comment from Mr T Chakravarty vide mail dated 28.11.2023</b>
9)	IS 11178:1985 Recommendations for storage and handling of pneumatic tyres for automotive vehicles  <b>Doc: TED 07(19696)</b>	Committee had detailed discussion on Sh. Anoop Chandra's comment and it was felt that further discussion is required on the comments submitted. The Committee hence requested Panel 1 to deliberate on comments received from Sh. T Chakravarty and Sh. Anoop Chandra and provide its recommendation by next meeting. In addition, the committee decided to process the already finalized documents further for printing. The comments received as above, if agreed by committee, would be notified through amendment in standards.	<b>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. Subsequently these standards have been revised in 2023 and comments based on these revised standards are attached. Please update.</b>  <b>Updated comments have been circulated with committee members vide mail dated 28.11.2023.</b>  Committee may please note.
10)	IS 13098:2012 Automotive vehicles - Tubes for pneumatic tyres - Specification (First Revision)  <b>Doc: TED 07 (19699)</b>	<b><u>Status of 37<sup>th</sup> meeting</u></b> Document TED 07 (19699) has been submitted to HTED for approval to process in publication. Committee may please note the status of the document.  <b><u>Decision of 37<sup>th</sup> Meeting</u></b>  Committee noted the information given in the agenda.	Draft document has been processed into publication. Committee may please note the status.

<i>Sl No</i>	<i>Subject</i>	<i>Decision of the Committee in the last meeting</i>	<i>Present Status</i>
<b>11)</b>	IS 13154:2015 Automotive vehicles - Tyres for agricultural tractors, implements and power tillers – Specification (First Revision)  <b>Doc:</b> TED 07 (19702)	<p><b><u>Status of 37<sup>th</sup> meeting</u></b></p> <p>Document TED 07 (19702) was shared in WC dt. 09.01.2023.</p> <p>Comments received from Mahindra and Mahindra on document TED 7 (19702) was discussed in Panel-1 meeting held on 13/4/2023. Minutes of the panel-1 meeting is attached at <u>Annex-2</u></p> <p>Additional comments received from ITTAC are attached at <u>Annex- 10</u></p> <p>Committee may deliberate on above and decide to process the document for publication.</p> <p><b><u>Decision of 37<sup>th</sup> Meeting</u></b></p> <p>Sh. Niteesh Shukla, panel 1 convenor briefed the panel recommendation and ITTAC comments on TED 7 (19702). Committee agreed on panel recommendation and accepted the ITTAC comments. Committee decided to process the documents for publication.</p> <p><b><u>39<sup>th</sup> meeting:</u></b></p> <p>Committee deliberated and decided as given in Annex-C Committee further authorized member Secretary to carry out editorial correction and process the draft document in Publication after incorporating the agreed comments.</p>	<p>All agreed comments have been incorporated in the draft document, except comments on Table 13 (partially updated). During 37<sup>th</sup> and 39<sup>th</sup> 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.</p> <p>Draft document as mentioned above is attached at <b>Annexure- 3.</b></p> <p>Committee may please deliberate</p>
<b>12)</b>	IS 15724: 2006 Automotive tyres - Retreading procedure – Hot Process  <b>Doc:</b> TED 07 (21201)	<p><b><u>Status of 37<sup>th</sup> meeting</u></b></p> <p>Draft amendment document was reverted back by HTED to edit as per IS 12. Corrected draft document has been submitted to HTED for approval to circulate in WC. Committee may please note the status of the document. Doc No. TED 07 (21201)</p> <p><b><u>Decision of 37<sup>th</sup> Meeting</u></b></p> <p>Committee noted the information given in the agenda.</p>	<p>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>
<b>13)</b>	IS/ISO 20562: 2014 — Tyre valves – ISO core chambers No. 1, No. 2 and No. 3	<p><b><u>Status of 37<sup>th</sup> meeting</u></b></p> <p>Review report is awaited from Steel Strip .</p> <p><b><u>Decision of 37<sup>th</sup> Meeting</u></b></p> <p>Committee reallocated the review to Triton valve.</p>	<p>Review report is awaited from Triton valve.</p>

<i>Sl No</i>	<i>Subject</i>	<i>Decision of the Committee in the last meeting</i>	<i>Present Status</i>
14)	IS/ISO 28580:2009 Passenger Car, Truck and Bus Tyres-Methods of Measuring Rolling Resistance – Single Point Test and Correlation of Measurement Results  <b>Doc:</b> TED 07 (19704)	<b><u>Status of 37<sup>th</sup> meeting</u></b>  Draft document has completed WC period. Comments received from ARAI on ISO 28580:2018 is attached at <b>Annex-5</b> Committee may deliberate on above and decide to process the document for publication. <b><u>Decision of 37<sup>th</sup> Meeting</u></b>  Committee deliberated on ARAI comments and requested ARAI to review the definition given in AIS 142, TED 7 (13028) and other Indian Standards on tyres and provide its recommendation to the committee before the next meeting.	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)  Committee may please deliberate.
15)	<b>Amendment in IS 15627</b>  TED 7 (21146)	<b>39<sup>th</sup> meeting Decision:</b> Panel 1 convenor briefed the panel recommendation to the committee. Committee deliberated at length and decided as given in Annex-A. Committee decided to issue the draft amendment document in WC for 60 days after incorporating the agreed comments.	Draft document have been issued into wide circulation for 60 days.  Document no: TED 7 (21146)  WC circulation date: 11.09.2023  Comments received from Yamaha are attached at <b>Annexure- 4</b>  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. Minutes of Panel 1 meeting is attached at <b>Annexure- 12.</b>  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>  Committee may please deliberate.
16)	<b>Amendment in IS 15636</b>	<b>37<sup>th</sup> meeting Decision:</b> Please refer Annex-A	Draft document TED 7 (21145) was issued into WC for 60 days.



<i>Sl No</i>	<i>Subject</i>	<i>Decision of the Committee in the last meeting</i>	<i>Present Status</i>
	TED 7 (21145)	Committee decided to include all the agreed comments on IS 15627, IS 15633 and IS 15633 in draft documents and issue the documents in WC of 60 days.	No comments are received on WC draft.  Committee may please deliberate and finalize the draft document for publication.
<b>17)</b>	<b>Revision of IS 10694(Part 7):1983 General requirements for rims for automotive vehicles Part 7 Industrial truck rims</b>	Shri Bharathi Rajendran, Steel strips wheel limited  <b><u>Status of 37<sup>th</sup> meeting</u></b>  Review report is awaited from Committee Member. IS 10694 Part 7 was allotted to BIS officer for review as action research project. Review report was circulated through BIS Portal dt 14.02.2023. Review report and draft document submitted by BIS officer may be accessed by clicking here Committee may deliberate on above. <b><u>Decision of 37<sup>th</sup> Meeting</u></b>  Committee decided to reaffirm and revise IS 10694 Part 7. Further it requested panel 2 to deliberate on Review report submitted by BIS officer.	Panel 2 meetings were held on 28.8.2023 and 19.10.2023.  Minutes of the panel 2 meeting is attached at <b>Annexure-5</b> .  Committee may please deliberate on panel recommendation.
<b>18)</b>	IS 13196: 1991 Automotive vehicles - Light alloys wheel motorcycles - Specification	Shri Bharathi Rajendran, Steel strips wheel limited  <b><u>Status of 37<sup>th</sup> meeting</u></b>  Review report is awaited from committee member.  <b><u>Decision of 37<sup>th</sup> Meeting</u></b>  Committee reallocated the review to Bajaj Auto Ltd.	Review report was received from BAL vide mail dated 11.10.2023.  Review report was circulated with committee members BIS Portal dated 7.11.2023.  Committee may please deliberate.
<b>19)</b>	IS 15725:2006 Automotive tyres - Tyre curing envelop – Cold process	<b><u>Status of 37<sup>th</sup> meeting</u></b>  Comments received from ITTAC is attached at Annex-8 Committee may please deliberate. <b><u>Decision of 37<sup>th</sup> Meeting</u></b>  Committee requested Panel 1 to discuss on comments received from ITTAC and provide its recommendation by next meeting.	<b>Minutes of the Panel 1 meeting, held on 21 November 2023, is attached at Annexure-12.</b>  Committee may please note.
<b>20)</b>	<b>IS 15523 : 2018</b> Automotive tyres - Precured patches for repairing cross ply/ radial tyres and inner tubes - Specification (First Revision)	<b>Review allocated to – ITTAC</b>  <b>Status in 37<sup>th</sup> meeting:</b> <b>ITTAC:</b> ITTAC has completed the review. Comments submitted by ITTAC is attached at <b>Annex-11</b>	<b>Minutes of the Panel 1 meeting, held on 21 November 2023, is attached at Annexure-12.</b>  Committee may please note.
<b>21)</b>	<b>IS 15524 : 2018</b>	<b>Decision in 37<sup>th</sup> meeting:</b>	

<i>Sl No</i>	<i>Subject</i>	<i>Decision of the Committee in the last meeting</i>	<i>Present Status</i>
	Automotive vehicles - Retreading of tyres by the pre - Cured process - Specification (First Revision)	Committee requested Panel-1 to deliberate on received comments in Panel 1 meetings.	Comments received on IS 15704: 2018, from Mr T Chakravarty is attached at <b>Annexure-6</b> .  Committee may please deliberate
<b>22)</b>	<u>IS 15704 : 2018</u> Automotive vehicles - Retreaded pneumatic tyres for commercial vehicles - Specification (First Revision)		
<b>23)</b>	<u>IS 15709 : 2018</u> Automotive vehicles - Retreaded pneumatic tyres for passenger car - Specification (First Revision)		
<b>24)</b>	<u>IS 15731 : 2018</u> Automotive tyres - Selection and inspection of retreadable tyre casing (First Revision)		
<b>25)</b>	<u>IS 15753 : 2007</u> Automotive tyres - Tyre curing bladder - Cold process		
<b>26)</b>	<u>IS 15780 : 2007</u> Automotive tyres - Repair of tyres and tubes used on motor vehicles	<b>Review allocated to – ITTAC</b>  <b>Status in 37<sup>th</sup> meeting:</b>  ITTAC has completed the review. Comments submitted by ITTAC is attached at <u>Annex-11</u>  <b>Decision in 37<sup>th</sup> meeting:</b> Committee requested Panel-1 to deliberate on received comments in Panel 1 meetings	Minutes of the Panel 1 meeting, held on 21 November 2023, is attached at <b>Annexure-12</b> .  Committee may please note.
<b>27)</b>	<u>IS 15794 : 2007</u> Road hazard impact test for wheel and tyre assemblies (Passenger Cars, Light Trucks And Multipurpose Vehicles)	<b>Review allocated to – WHEELS INDIA (Steel strips)</b>  <b>36<sup>th</sup> meeting:</b>  Committee decided to reallocate IS 15794: 2007 to Sh. Bharathi Rajendran (Steel strip) for review.	Review report awaited.
<b>28)</b>	<u>IS 13444 : 1992</u> Animal drawn vehicles - Pneumatic tyres - Specification	<b>Review allocated to – ITTAC</b>  <b>Status in 37<sup>th</sup> meeting:</b> Draft documents was issued in WC dated 16.12.2022 and it has completed WC period. No comment is received on WC document. Committee may deliberate and decide to process the document  <b>Decision in 37<sup>th</sup> meeting:</b>	Draft document has been processed into Publication. Committee may please note.

<i>Sl No</i>	<i>Subject</i>	<i>Decision of the Committee in the last meeting</i>	<i>Present Status</i>
		Committee decided to process the document in publication and authorized member secretary to carry out editorial corrections.	
<b>29)</b>	IS 10694 : Part 4 : 1983 General requirements for rims for automotive vehicles: Part 4 scooter and scooter derivative rims	<p><b>Status in 37<sup>th</sup> meeting:</b> Review report submitted by BIS officers was circulated through BIS Portal dated 01.12.2022. Review document may be accessed by <a href="#">clicking here</a> .</p> <p>Committee may deliberate on above document. <b>Decision in 37<sup>th</sup> meeting:</b> Committee decided to reaffirm and revise IS 10694 Part 4. Further it requested panel 2 to deliberate on Review report submitted by BIS officer.</p>	<p>Minutes of the Panel 2 meeting is attached on <b>Annexure-5</b>.</p> <p>Committee may please deliberate.</p>
<b>30)</b>	<u>IS 9436 : 2018</u> Performance requirements and methods of test for wheels for passenger cars, quadricycles and mini goods carriers (First Revision)	<p><b>Review allocated to – ARAI</b></p> <p><b>Status in 37<sup>th</sup> meeting:</b> Panel 2 meeting was held on 06/04/2023. Minutes of the P-2 meeting is attached at Annex-3 Committee may deliberate on above</p> <p><b>Decision in 37<sup>th</sup> meeting:</b> Please refer Annex-B Further, committee decided to issue an amendment draft document in WC of 60 days for agreed comments. Committee decided to reaffirm and amend IS 9436.</p>	<p>Minutes of the Panel 2 meeting is attached on <b>Annexure-5</b>.</p> <p>Committee may please deliberate.</p>
<b>31)</b>	<u>IS 9438 : 2018</u> Performance requirements and methods of tests for wheels/ rims for trucks and buses (First Revision)	<p><b>Review allocated to – ARAI</b></p> <p><b>Status in 37<sup>th</sup> meeting:</b> Panel 2 meeting was held on 06/04/2023. Minutes of the P-2 meeting is attached at <a href="#">Annex-3</a></p> <p>Committee may deliberate on above.</p> <p><b>Decision in 37<sup>th</sup> meeting:</b> Please refer Annex-B Further, committee decided to issue an amendment draft document in WC of 60 days for agreed comments. Committee decided to reaffirm and amend IS 9438.</p>	<p>Minutes of the Panel 2 meeting is attached on <b>Annexure-5</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>
<b>32)</b>	Amendment 1 to <u>IS 16192 Part 1</u>  <a href="#">TED/07/22490</a>	<b>38<sup>th</sup> meeting Decision:</b>  Shri Dinesh from M/s Uno Minda briefed his comment to the committee members. Committee deliberated on M/s Uno Minda's comment and requested Panel 2 to deliberate it in detail and provide its recommendation to TED 7 committee for further discussion. Further, committee endorsed the direction given by Chairperson TED 7 for processing the document TED/7/22490 to publication and requested Member secretary to expedite the publication of amendment document.	Draft document was processed into publication. Comments received from CMD-3 is attached at <b>Annexure-7</b> .  Comments received from CMD-3 was also discussed in panel 2 meeting on 19.10.2023. Minutes of the panel 2 meeting is attached at <b>Annexure-5</b> .  Committee may please deliberate.
<b>33)</b>	<u>IS 16192 Part 1, IS 16192 Part 2 and IS 16192 Part 3</u>	<b>IS 16192-3 Review allocated to – ARAI</b>  <b>Status in 37<sup>th</sup> meeting:</b> Panel 2 meeting was held on 06/04/2023. Minutes of the P-2 meeting is attached at Annex-3 Committee may deliberate on above  <b>Decision in 37<sup>th</sup> meeting:</b> Please refer Annex-B Further, committee decided to issue an amendment draft document in WC of 60 days for agreed comments. Committee decided to reaffirm and amend IS 9438.	Minutes of the Panel 2 meeting is attached on <b>Annexure-5</b> .  Comment received on minutes of Panel 2 meeting is attached at <b>Annexure-8</b>  Comments received from Mr Hemant Mule is given at <b>Item 5.7</b> .  <b>In reference to item 1 of Panel 2 meeting minutes, a Sub-panel meeting was held on 27.11.2023. Sub-panel also deliberated few other items related to IS 16192-1,2,3. Minutes of the sub-panel meeting is attached at Annexure-16.</b>  Committee may please deliberate.
<b>34)</b>	IS 12750:1989  ISO 8644 & 8645: 88 Method of test for light alloy wheels for motorcycles and mopeds	<b>Status of 37<sup>th</sup> meeting</b>  Comments received from Minda Kosei on IS 12750:1989 was discussed in Panel-2 meeting held on 06/04/2023. Panel-2 observation is recorded in minutes attached at Annex-3 Committee may please deliberate on the document.  <b>Decision of 37<sup>th</sup> meeting:</b> Committee discussed on panel observation and found that on same subject IS 16192 Part 1 already exist and is under certification.	As recommended by TED 7 committee for withdrawal- it will be taken up in TEDC meeting for further deliberation.

<i>Sl No</i>	<i>Subject</i>	<i>Decision of the Committee in the last meeting</i>	<i>Present Status</i>
		Therefore, Committee recommended to withdraw IS 12750:1989.	
<b>35)</b>	IS 10694 Part 8 AUTOMOTIVE VEHICLES — RIMS — GENERAL REQUIREMENTS PART 8 EARTHMOVING MACHINE RIMS	<b>Decision in 37<sup>th</sup> Meeting:</b> Committee reviewed IS 10694 Part 8 and recommended to withdraw it as on the same subject, IS/ISO 4250-3: 2020 already exist.	As recommended by TED 7 committee for withdrawal- it will be taken up in TEDC meeting for further deliberation

#### ITEM 4 RESEARCH PROJECTS TO BE TAKEN UP

R& D guideline was circulated to committee members vide mail dated 26.10.2023. Member Secretary has identified following subject for research activity:

- **Formulation of Indian Standard for Construction, Mining or Industrial handling vehicles and machines**

**Draft Terms of Reference, is attached at Annexure-14**. Further it may please be noted that during the 38th meeting, committee deliberated on above subject and requested ITTAC, to conduct a data and literature survey on the standardisation of the aforementioned subject. Committee requested ITTAC to present its findings and propose possible ways for the standardization of the cited subject during the next committee meeting of TED 7.

**Committee may please deliberate**

#### ITEM 5 COMMENTS ON PUBLISHED STANDARDS

##### 5.1 Comment received from CMD on IS 16192 Part 1, Part 2 and Part 3 (regarding change in thickness):

**38<sup>th</sup> 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.

**Present Status:** Minutes of Panel 2 meeting is attached at **Annexure-5**. Committee may please deliberate.

##### 5.2 Comments/clarification request received from Wheels India and CMD on IS 9438

**38<sup>th</sup> meeting Decision:** Wheels India presented a presentation (attached) and informed that 12-inch wheel will be used for M2 category vehicles. Further Wheels India representative requested committee to include 12-inch size (for inset below 100) into IS 9438 to facilitate the testing. However, representative from CIRT pointed out that 12-inch wheels for passenger carriers are covered under IS 9436. Committee further deliberated on scope of application and directed Panel 2 to deliberate on the Wheels India request and submit its recommendation before next committee meeting.

**Present Status:** Minutes of Panel 2 meeting is attached at **Annexure-5**.

**Panel 2 had requested WIL to provide draft proposal for inclusion of wheel under applicable clause/s of IS 9438 standard. Draft received from WIL is attached at Annexure-13.**

Committee may please deliberate.

##### 5.3 Comments/clarification request received from Wheels India and CMD on IS 9438: 2018

**38<sup>th</sup> meeting Decision:** Wheels India representative presented a presentation and informed the committee that these wheels are for vintage car application and requested committee to clarify whether it is covered under IS 9436 and IS 9438 or not. Committee deliberated and mentioned that such kind of vehicles (vintage car) are not used by OE so CMVR compliance should not be required for these types of rims. Further, committee recommended to not bring such kind of wheels in the market which are non-complying and not approved by OE. However, committee kept the subject open for further discussion and decided to deliberate it in detail in Panel 2 meeting.

**Present Status:** Minutes of Panel 2 meeting is attached at **Annexure-5**. Committee may please deliberate.

## 5.4 Regarding Indian Standard on tyre for construction, mining or industrial handling vehicles and machines

**38<sup>th</sup> meeting Decision:** The committee mentioned that quality of such tyre is crucial from safety perspective. It noted that ECE 106 partially covers the provisions related to construction equipment vehicle tyres. The committee requested ITTAC to conduct a data and literature survey on the standardization of the aforementioned subject. Committee requested ITTAC to present its findings and propose possible ways for the standardization of the cited subject during the next committee meeting of TED 7.

**Present Status:** Representatives from ITTAC are requested, to present their findings.

## 5.5 Clarification requested by FRBO

### a) IS 16192 Part 1 and IS 16192 Part 2

Dear Sir,

This is reference to the trailing mail, firm has applied for licence as per IS 16192-1. As per clause 3.2.2 "Composite Construction Light Alloy Wheel — Wheels of which the rim is made of light alloy and the spokes or disc of light alloy are steel, which are then assembled". Firm is manufacturing wheels i.e. the end products are manufactured with Rims and the spokes or disc both of steel which is not as per the ISS.

Also, as per firm Labs are not accepting samples as per IS 16192-2 which is for steel wheel rims citing only disc steel rims can be tested as per IS 16192-2.

The application is now on **25th day under simplified procedure and needs to be disposed off within 30 days of receipt of application**. Therefore, it is requested to kindly confirm the standard in which the product can be covered either 16192-1 or 16192-2 or there is no standard available in which the above product can be covered.

Regards,  
Arnob Samui  
So-B/AD, FRBO

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**From:** Laxman@bhagwatiwheels.com  
**To:** "CENTRAL MARKS" <cmd3@bis.gov.in>  
**Cc:** "Faridabad Branch Office Haryana" <frbo@bis.gov.in>, "CENTRAL MARKS" <cmd3@bis.gov.in>, "BIS TED" <ted@bis.gov.in>  
**Sent:** Tuesday, October 31, 2023 10:58:15 AM  
**Subject:** RE: Wheel Rim BIS License for EV Wheel rim- 2.15 X 12

Dear Sir,

As we are manufacturing the EV Steel Wheel rims for auto industries, we have applied for license CMA – 95001673 against IS 16192 Part 1 as per customer drawings & rejected for lack of testing facilities as per IS & SIT on 16<sup>th</sup> June.23. We have added the testing facility as per required & applied for license.

Further the closer notice is received against the CM/A 95002240 dt.28.10.23 - As per clause 3.2.2 "Composite Construction Light Alloy Wheel — Wheels of which the rim is made of light alloy and the spokes or disc of light alloy are steel, which are then assembled". Composite Construction wheels i.e. the end products are manufactured with Rims and the spokes or disc both of steel. The wheel is also certified as per BIS Procedure from ARAI as per IS 16192 Part 1.

In addition to this we are ready to get the LICENSE as per IS 16192 Part 2 also but the testing agencies ICAT & ARAI denied to perform the test as per IS 16192 Part 2 as part doesn't come under this category.

We have noticed that the other wheel rim manufacturers has got the license as per IS 16192 Part 1.

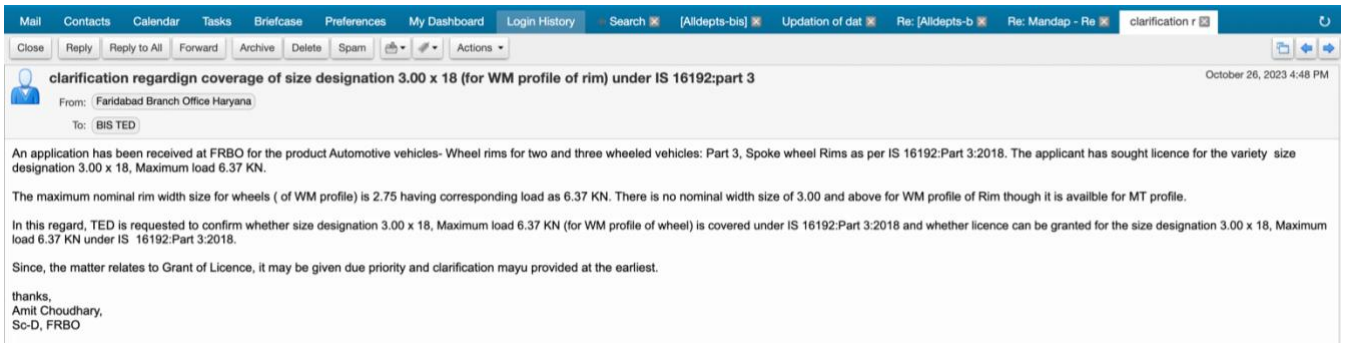
We are attaching all the documents for your ref. & we request to look into this as there is business concerns as our competitors got the license on same standards. So request to your intervention this regards on priority.

In Sub-Panel meeting, held on 27.11.2023, Shri Laxman from M/s Bhagwati Techno Fab was present and briefed his query to sub-panel. Minutes of the sub-panel meeting is attached at **Annexure-16**.

Committee may please deliberate.

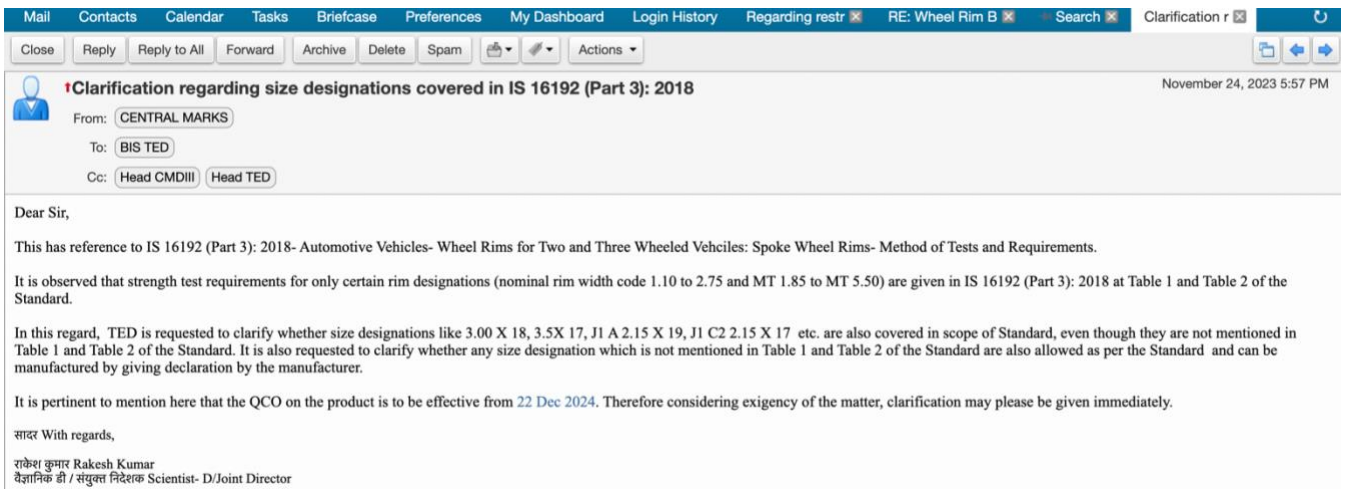
## 5.6 Clarification request on IS 16192 Part 3

### 5.6.1 Clarification request on IS 16192 Part 3 from FRBO



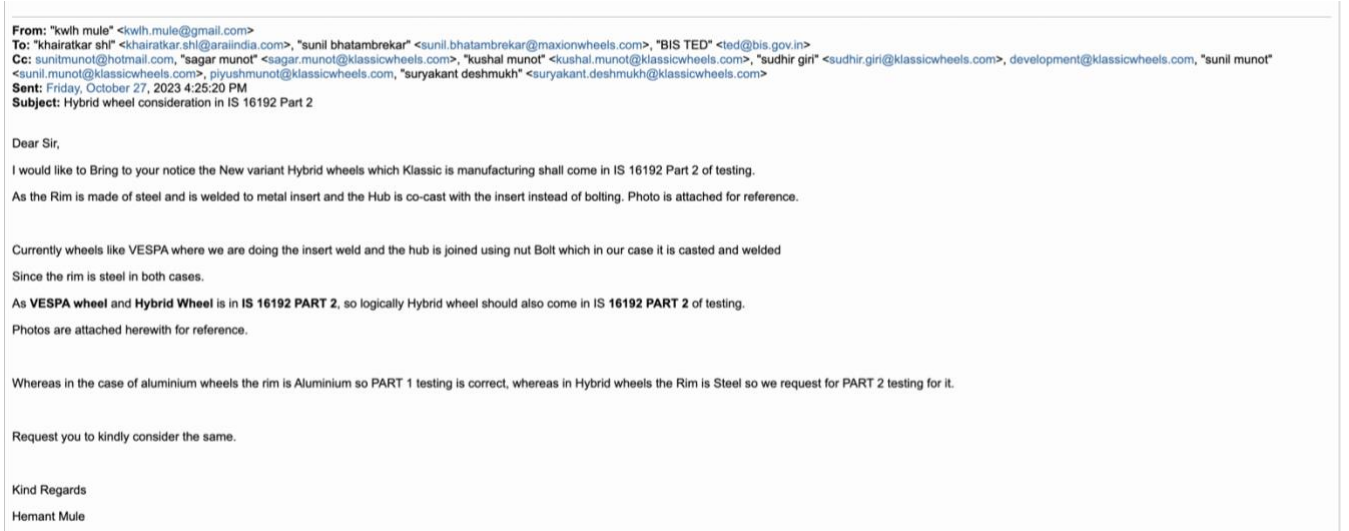
Committee may please deliberate on above.

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



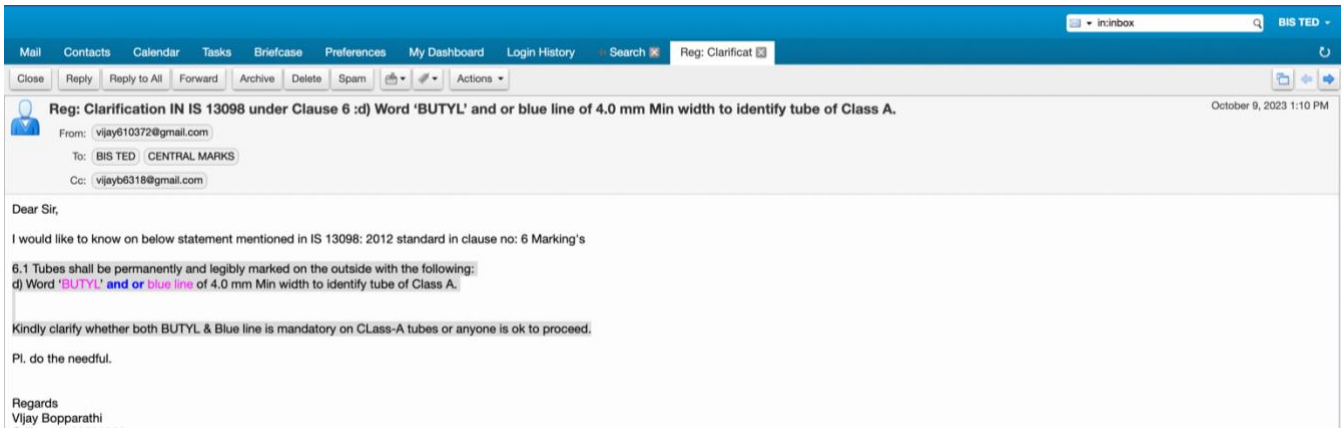
Committee may please deliberate on above.

### 5.7 Comments received from Mr. Hemant Mule



Committee may please deliberate on above.

### 5.8 Clarification request received from Mr. Vijay Bopparathi on IS 13098



Committee may please deliberate on above.

### 5.9 Comments received from ITTAC on IS 18258: 2023

Comments received from ITTAC vide mail dated 27.10.2023, are attached at **Annexure 9**. Committee may please deliberate.

### 5.10 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)

#### 39<sup>th</sup> meeting:

Committee also deliberated on CMD-III comments on IS 15633 and IS 15636, and decided as given in Annex- D.

**Present Status:** 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.

Following standard is due for review in 2023-24:

Sl. No.	IS No	Title
1	<a href="#">IS 9453 : 2014</a>	Valve caps for tyre tube valves for automotive vehicles - Specification Second Revision

**6.2** Following pre 2000 standards may be taken up for revision:

Sl. No.	IS No	Title	Remarks
1	IS 12098:1987	Rim wheels for pneumatic tyres for animal drawn vehicles – Specification	
2	IS 9643: 1980	Non-skid type chain assembly for tyres – Single type	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.
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## ITEM 7 NEW WORK ITEM PROPOSAL/IDENTIFIED

**7.1 Formulation of Indian Standard for Construction Equipment Vehicles and RFID tag for tyres**  
**38<sup>th</sup> meeting:** Committee noted the information.

### 7.2 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).

**Present Status:** No further input is received; committee may please deliberate.

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

In 37<sup>th</sup> meeting, Committee deliberated and decided to work on following subjects in Future:

- RFID Tag for Tyres
- Tyres for Off the road Vehicle
- TPMS
- Tyre Abrasion
- Rubber patches for tube repair -Hot method

Further committee requested members to submit information for any additional points through mail to BIS, which can be deliberated in next meeting.

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

## ITEM 9 INTERNATIONAL ACTIVITIES

**9.1** 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.

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 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 10 REFORMS MEASURE TAKEN IN BIS STANDARDIZATION PROCESS**

Reforms measure taken in BIS standardization process was circulated with committee members vide mail dated 22.11.2023.

Committee may please note.

#### **ITEM 11 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**

**ITEM 13 ANY OTHER BUSINESS**