



Bureau Of Indian Standards

Minutes:

| Name of the Committee | No. of Meeting | Date and Time | Day | Venue |
|---|--------------------------|-----------------------------------|---------|-----------------------|
| Transport Tractors Trailers and Industrial Trucks Sectional Committee, TED 22 | 27 th Meeting | 02 April 2024 10:30 AM onwards | Tuesday | ARAI (Hybrid Mode) |

CHAIRMAN: Shri A. A. Badusha

MEMBER SECRETARY: Shri Mitra Sen Verma

HEAD (TED): Shri Deepak Agarwal

Attendance:

| Sl. No. | Name of the Organization | 27 th Meeting Attendance |
|---------|--|-------------------------------------|
| 1) | Automotive Research Association of India, Pune | Y |
| 2) | Action Construction Equipment Ltd. (ACE), Palwal | N |
| 3) | ACMA, New Delhi | Y |
| 4) | Ashok Leyland Ltd, Chennai | Y |
| 5) | All India Motor Transport Congress, New Delhi | N |
| 6) | BEML Ltd, Bangalore | N |
| 7) | Black Diamond Motors Private. Limited, Bilaspur | N |
| 8) | Brakes India Ltd, Chennai | N |
| 9) | Central Institute of Road Transport, Pune | Y |
| 10) | Directorate General Factory Advice Service and Labour Institutes, Mumbai | Y |
| 11) | Global Automotive Research Centre, Oragaram | Y |
| 12) | Godrej Boyce Manufacturing Company Ltd., Mumbai | Y |
| 13) | International Centre for Automotive Technology, Manesar | Y |
| 14) | JCB India Ltd New Delhi | N |
| 15) | Jost's Engineering Company Ltd, Thane | Y |
| 16) | KION India Pvt. Ltd., Pune | Y |
| 17) | Knorr-Bremse Commercial Vehicle System India Private Limited, Pune | Y |
| 18) | Machine and Mill Stores Corporation Pvt. Ltd., Howrah | N |
| 19) | Mahindra Trucks & Bus Division Ltd., Pune | Y |
| 20) | Ministry of Heavy Industries & Public Enterprises, Department of Heavy Industry, New Delhi | N |
| 21) | Ministry of Labour and Employment Directorate, Mumbai | N |
| 22) | Ministry of Road Transport & Highways, New Delhi | N |
| 23) | National Automotive Test Tracks, Dhar | N |
| 24) | SDR Auto Private Limited, Chennai | Y |



| Sl. No. | Name of the Organization | 27 th Meeting Attendance |
|---------|---|-------------------------------------|
| 25) | Satrac Engineering Private Limited, Bangalore | N |
| 26) | Tata International Vehicle Applications Private Limited, Pune | N |
| 27) | Tata Motors Ltd, Pune | Y |
| 28) | Transport Engineering Solutions India Private Limited, Pune | N |
| 29) | Volvo Trucks, VE Commercial Vehicles Limited, Bengaluru | Y |
| 30) | ZF Commercial Vehicle Control Systems India Limited, Pune | Y |

Committee deliberated on non-participating members and decided to give them one more chance as all are valuable members. If the members are not interested or remain absent in the next SC meeting, chairman requested member secretary to propose for their removal in the next sectional committee meeting of TED 22.

ITEM 0 WELCOME AND INTRODUCTORY REMARKS

0.1 Welcome Remarks by Member Secretary:

Member secretary welcomed all the members present in the 27th Meeting of TED 22.

0.2 Welcome Remarks by Sc F & Head (TED):

Head, TED Shri Deepak Agarwal, welcomed all the members present in the 27th Meeting of TED 22. He appreciated the work done by the panels and the members of technical committee. He emphasized the importance of standardization and urged the committee members to speed up the work of standard formulation.

0.3 Opening Remarks by the Chairman:

In the 27th Meeting of TED 22, Chairman Shri A. A. Badusha extended a warm welcome to all the attending members. He underscored the importance of the committee members' active engagement during panel meetings and expressed his satisfaction on the work being done by various panels under TED 22. He further requested members to have detailed deliberation during the meeting on agenda items.

ITEM 1 CONFIRMATION OF THE MINUTES OF THE PREVIOUS MEETING

The committee confirmed the Minutes of the 26th Meeting of Transport Tractors, Trailers and Industrial Trucks Sectional Committee, TED-22.

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

2.1 The committee noted the information given in agenda.

2.2 The committee noted the information given in agenda.

2.3 The committee noted the information given in agenda. Further, it is requested members to take up the subject with their top management and update the nomination from their organization.

2.4 The committee noted the information given in agenda. Considering the usefulness of the



organizations proposed for withdrawal has been further deliberated and committee requested member secretary to contact these organizations once more to find out reasons for not attending meetings before withdrawal.

2.5 The committee deliberated on present composition of technical committee and submission were received from some of the member organizations to update their nominated members due to their internal re-allocations. Chairmen asked them to share their new nominations through email with updated information and requested member secretary to update their details accordingly. Committee also deliberated on the representations of the member who had not attended the last three meeting of sectional committee and requested member secretary to contact those organization once more to understand their interest before withdrawal.

2.6 In 25th meeting, committee recommended to withdraw TRATEC Engineering and Volvo construction from Sectional Committee TED 22 and requested Sh Faustino to provide the contact detail of P L Haulwel for follow up.

2.7 In 27th Meeting, committee further re-deliberated on withdrawal of TRATEC Engineering and Volvo construction from Sectional Committee TED 22 and requested Dr B. Ramesh to provide contact details of TRATEC Engineering and P L Haulwel. ARAI to provide the contact details of Volvo construction. It is decided by the committee to given them a chance to contribute being a valuable contributor before withdrawal.

2.8 Co-options

a) The committee deliberated on co-option of organizations recommended in 25th meeting, TED 22 committee. Mail/Letters were sent to these organization, the status is as follows:

| Sr No | Organization Name | Present Status |
|--------------|--------------------------------|--------------------------------------|
| 1. | NATRAX | Attended 27 th SC Meeting |
| 2. | SIAM | Reply Awaited |
| 3. | Tractico Engineering Pvt. Ltd. | Reply Awaited |

b) Committee noted the information at a) above and welcomed the new co-opted organization. Further, it is requested member secretary to follow up with SIAM and Tractico Engineering Pvt. Ltd. ARAI to provide the contact details of Tractico Engineering Pvt. Ltd.



2.9 Panel Under TED 22

Committee deliberated on Panel composition and updated details are as under:

| | Composition | Remarks |
|---------|---|--|
| Panel 1 | <ul style="list-style-type: none"> • Shri P. M. Pophale of Jost's Engineering Company Ltd, • Shri A.S Tawde and Shri krunal Mehta of Godrej & Boyce Mfg Co. Ltd. • Shri Rizwan khan of KION India Pvt Ltd. • Representative from ARAI • Representative from TML • Representative from ZF • Representative from CIRT • Shri Sameer Virkar, from Jost's | <p>Reference- 23rd meeting</p> <p>To Discuss on Adoption of ISO 3691 Part 1,2,3,4,5,6 and revision of IS 6305 Part (1 & 2), IS 10312: 1982 and IS 6765 Part 1.</p> <p>Reference- 27th Meeting Shri Sameer Virkar, from Jost's has been nominated in Panel 1 in addition to the other members.</p> |
| Panel 2 | <p>ARAI – Shri V.P.Rawal (Convenor)</p> <ul style="list-style-type: none"> • Godrej • KION • JOST • ACMA • NATRAX • BIS | <p>Committee constituted this panel during 24th meeting, to discuss revision of IS 10311(General requirements of powered platform trucks and their acceptance criteria)</p> |
| Panel 3 | <p>TML- Shri Pathak (Convenor)</p> <ul style="list-style-type: none"> • heavy commercial motor vehicle manufacturers, • trailer manufacturers, • Test agencies, • certification agencies. | <p>Committee constituted this panel during 24th meeting, To discuss revision of IS 7774 Part 1 (Glossary of terms relating to transport tractors and trailers, Part 1: Basic terms)</p> |
| Panel 4 | <p>SDR Auto - Dr. B Ramesh (Convenor)</p> <ul style="list-style-type: none"> • Ashok Leyland, • Volvo, • TATA Motors • ARAI, • MTBD (Mahindra Truck And Bus Division) | <p>Reference-23rd Meeting</p> <p>To discuss adoption of ISO 1726 Part 2 and Part 3</p> <p>Reference- 27th Meeting</p> <p>Dr B. Ramesh informed that presently, there is no Trailer Manufacturer Association exist and therefore, decided to remove Trailer Manufacturer Association from existing composition.</p> |
| Panel 5 | <p>SDR Auto - Dr. B Ramesh (Convenor)</p> <ul style="list-style-type: none"> • Ashok Leyland, • Volvo, • TATA Motors • ARAI, • MTBD • ZF Groups | <p>Reference-23rd Meeting</p> <p>Revision of IS 9905</p> |



ITEM 3 ISSUES ARISING OUT OF ACTIONS OF THE PREVIOUS MEETINGS

3.1 Committee deliberated and decided as follows:

| <i>Sl. No.</i> | <i>Subject</i> | <i>Decisions during previous Meetings</i> | <i>Committee Decision</i> |
|----------------|---|---|---|
| 1. | <p>Doc: TED 22(1006) W Road vehicles — Fifth wheels — Interchangeability</p> <p><i>(Second revision of IS 10766 : 2004 by adoption of ISO 3842 : 2006)</i></p> | <p>Status in 26th meeting: Draft document TED 22 (15462) F is under preparation for forwarding to publication. Committee may please note.</p> <p>Decision in 26th meeting: Committee noted the information given in the agenda.</p> <p>Status in 27th meeting: Draft document TED 22 (15462) F is under preparation for forwarding to publication. Committee may please note.</p> | <p>Decision in 27th meeting: Committee deliberated on the status of IS 10766: 2004 and decided to withdraw IS 10766: 2004 after publication of TED 22 (15462) as the relevant provision is already covered in the proposed standard.</p> <p>Committee also decided to examine reference of IS 10766: 2004 given in AIS 113. The relevant information to be shared with the concerned department/Ministry for their updating at respective places.</p> <p>Committee requested member secretary to insert information in foreword of document TED 22 (15462) regarding superseding of all the related Indian Standards (like IS 10766, IS 14880 and IS 12351).</p> |
| 2. | <p>Doc: TED 22 (1017) P Commercial road vehicles — Drawbar couplings and eyes for rigid drawbars strength tests for general cargo centre-axle trailers</p> <p><i>(First Revision of IS 14880: 2000)</i></p> | <p>Status in 26th meeting: Draft document TED 22 (15462) F is under preparation for forwarding to publication. Committee may please note.</p> <p>Decision in 26th meeting: Committee noted the information given in the agenda.</p> <p>Status in 27th meeting: Draft document TED 22 (15462) F is under preparation for forwarding to publication. Committee may please note.</p> | <p>Decision in 27th meeting: Committee deliberated on the status of IS 14880: 2000 and decided to withdraw IS 14880: 2000 after publication of TED 22 (15462) as the relevant provision is already covered in the proposed standard.</p> <p>Committee also decided to examine reference of IS 14880: 2000 given in AIS 113. The relevant information to be shared with the concerned department/Ministry for their updating at respective places.</p> <p>Committee requested member secretary to insert information in foreword of document TED 22 (15462) regarding superseding of all the related Indian</p> |



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| | | | Standards (like IS 10766, IS 14880 and IS 12351). |
| 3. | <p>Revision of IS 9905:1981 ISO 1728:1980 Pneumatic Coupling between Tractors and Trailers</p> | <p>Status in 26th meeting: While processing the document in Wide circulation, it was observed that ISO 4009: 2000 is referred in document TED 22(12922) at multiple places. However, ISO 4009: 2000 has been withdrawn. Committee may please redeliberate on draft document.</p> <p>Decision in 26th meeting: Committee requested BIS to check the availability of ISO 4009: 2000. If available, BIS to provide to Panel 5 convenor. Further it requested Panel 5 to deliberate on draft document again and provide the updated draft to BIS.</p> <p>Committee further decided to circulate the updated draft document in WC with approval of chairperson TED 22, for 30 days.</p> <p>Status in 27th meeting: Panel meeting was held on 2th Feb 2024 & 7th March 2024. The decision taken during the meeting is as under (MOM is attached as <u>Annex-3</u>):</p> <p>Shri Faustino was requested to provide the updated copy incorporating text from ISO 4009</p> <p>Decision in panel meeting held on 15th March 2024</p> <p>Shri Vishal Rawal, ARAI informed that as decided in panel meeting held on 20th February 2024, modified draft revision was received from Shri Faustino, M/s Ashok Leyland was circulated to panel members and no comments were received.</p> <p>Panel members reviewed the modified document and Shri Harrish (Tata Motors) expressed need for modified text in blue font and informed that he will confirm on it by 19th March 2024.</p> <p>Confirmation received.</p> <p>Committee may deliberate.</p> | <p>Decision in 27th meeting: Committee deliberated and decided to consider the comment of Tata Motors and incorporated in the document. The final document to be processed for publication and authorized Member Secretary to carry out editorial corrections, if any.</p> |
| 4. | <p>Revision of IS 8007:2004 / ISO 1726:2000 —Road vehicles mechanical</p> | <p>Status in 26th meeting: IS 8007: 2004/ ISO 1726-1 Draft document has been submitted to HTED for approval for issuance in WC.</p> | <p>Committee deliberated on the adoption of ISO 1726 (Part 3) as IS 8007(Part 3) / ISO 1726 (Part 3). Dr. Ramesh apprised the</p> |



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| <p>coupling between tractors and semi-trailers Interchangeability.</p> <p>ISO 1726-1: 2000 Road vehicles — Mechanical coupling between tractors and semi-trailers — Part 1: Interchangeability between tractors and semi-trailers for general cargo</p> <p>ISO 1726-2: 2007 Road vehicles — Mechanical couplings between tractors and semi-trailers — Part 2: Interchangeability between low-coupling tractors and high-volume semi-trailers</p> <p>ISO 1726-3 Road vehicles — Mechanical couplings between tractors and semi-trailers — Part 3: Requirements for semi-trailer contact area to fifth wheel</p> | <p>ISO 1726 Part 2: Draft document TED 22 (20205) was processed in publication and it has been published as IS 8007 Part 2: 2023.</p> <p>ISO 1726 Part 3: ISO 1726 Part 3 has been revised and published as ISO 1726 Part 3: 2023. Committee may please note the status about IS 8007/ISO 1726 Part 1 & IS 8007 Part 2, and deliberate for adoption of ISO 1726 Part 3.</p> <p>Decision in 26th meeting: IS 8007: 2004/ ISO 1726-1 Member Secretary briefed the suggestion given by HTED regarding removal of reserve clause from draft document (generally reserve clause should not be kept in Indian Standard, if needed amendment can be done to insert/delete the clause). Further member secretary informed that draft document has been shared in Wide circulation with the approval of chairperson TED 22. Committee endorsed the Chairperson direction.</p> <p>Document: TED 22 (23030) W Date of circulation:01.09.2023 Further, Committee decided that if no comments are received on draft document TED 22 (23030) W within the circulation period, document to be processed for Printing and authorized Member Secretary to carry out editorial corrections, if any.</p> <p>ISO 1726 Part 2: Committee noted the information given in the agenda.</p> <p>ISO 1726 Part 3: Committee requested Panel 4 to review ISO 1726 Part 3 and provide their recommendation regarding adoption of ISO 1726 Part 3.</p> <p>Status in 27th meeting: IS 8007: 2004/ ISO 1726-1 The document is at F- Draft Stage. The comment against the query raised by publication department is sent to publication after correction. Committee may please note.</p> <p>ISO 1726 Part 2: Draft document TED 22 (20205) was processed in publication and it has been published as IS 8007 Part 2: 2023. Committee may please note.</p> | <p>requirement of rubbing plate and committee agreed to adopt ISO 1726 (Part 3) as IS 8007(Part 3) / ISO 1726 (Part 3) identically with dual number system and requested BIS to process the National foreword into WC for 60 days.</p> <p>Further, Committee decided that if no comments are received on draft document within the circulation period, document to be processed for Printing and authorized Member Secretary to carry out editorial corrections, if any</p> |
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| | | <p>ISO 1726 Part 3: Panel meeting held on 20th Feb 2024 and the decision is as under. MOM is attached as <u>Annex-2</u></p> <p>Shri Nithin (M/s Satrac) and Shri Parikshit Bhaskar to review ISO 1726 Part 3: 2023 for its suitability and give their inputs within 10 days for review in the next TED 22 panel meeting.</p> <p>Committee may please note the status about IS 8007/ISO 1726 Part 1 & IS 8007 Part 2, and deliberate for adoption of ISO 1726 Part 3.</p> <p>Decision in panel meeting held on 15th March 2024</p> <p>“According to ISO 1726 3:2023(E), they have mentioned about the rubbing plate (Fifth wheel coupler contact face of trailer), which very helpful to all body builders to avoid any scratches scoring mark and any damage on Fifth wheel coupler. With 900mm depth and 965mm minimum width the rubbing plate will have complete surface contact with the Fifth wheel coupler which will improve the better load distribution” It was proposed to adopt ISO 1726 (Part 3) as IS 8007(Part 3) / ISO 1726 (Part 3) Panel members reviewed above inputs and it was decided that Dr. Ramesh will confirm on it by 19th March 2024.</p> <p>Panel convenor is kindly requested to brief the recommendation of the panel.</p> <p>Committee may please deliberate.</p> | |
| 5. | <p>Review of IS 12351 : 1988 / ISO 1103:1996</p> <p>Specification for coupling ball for caravans and light-trailers</p> | <p>Status in 26th meeting: Draft document TED 22 (15462) F is under preparation for forwarding to publication. Committee may please note.</p> <p>Decision in 26th meeting: Committee noted the information given in the agenda.</p> <p>Status in 27th meeting: Draft document TED 22 (15462) F is under preparation for forwarding to publication.</p> <p>Committee may please note</p> | <p>Decision in 27th meeting:</p> <p>Committee noted decision in earlier meetings to withdraw IS 12351 : 1988 after publication of TED 22 (15462) as the relevant provision are already covered in the proposed standard.</p> |
| 6. | <p>Adoption / Conversion of AIS 091 (Part-1)</p> | <p>Status in 26th meeting: Draft document TED 22 (15462) F is under preparation for forwarding to publication. Committee may please note.</p> | <p>Decision in 27th meeting:</p> <p>Committee deliberated on publication of TED 22 (15462)</p> |



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| | | <p>Decision in 26th meeting: Committee noted the information given in the agenda.</p> <p>Status in 27th meeting: Draft document TED 22 (15462) F is under preparation for forwarding to publication.</p> <p>While processing the document to publication following is observed.</p> <ol style="list-style-type: none"> In clause 5.9.3 ISO 1726 is mentioned however ISO 1726 has three parts (Part 1, Part 2 & Part 3). In clause D 1.1 for roughness ISO/R468 and ISO/1302 are mentioned. However, ISO/R468 has been withdrawn and ISO 1302 has been revised by ISO 21920-1 2021. In clause E 3.6.1 ISO 7641-1 has been withdrawn and revised by ISO 7641:2012. <p>Further, Inputs were received from M/s Ashok Leyland Ltd. vide their mail dated 20/03/2024 wherein a detailed comparative study between TED 22 (15462) W and ECE R 55 requirements is submitted (<u>Annex-5</u>).</p> <p>Panel convenor is kindly requested to brief the recommendation of the panel.</p> <p>Committee may please deliberate.</p> | <p>and decided the following:</p> <ol style="list-style-type: none"> IS 8007 to be mentioned in place of ISO 1726 under CI 5.9.3 The requirement of Roughness to be retained in the draft document under CI D 1.1. reference of ISO/R468 to be removed and ISO 1302 to be replaced by ISO 21920-1:2021. ISO 7641:2012 to be referred in place of ISO 7641-1 under clause E 3.6.1 <p>Committee also deliberated on the inputs received from M/s Ashok Leyland Ltd. vide email dated 20.03.2024 and decided that Pannel continue to work for identification of additional requirement for further alignment with UNR 55 and propose amendment if any.</p> |
| 7. | <p>Adoption of AIS 113: 2013</p> <p>Code Of Practice For Type Approval Of Trailers/Semi-Trailers Of Categories T2, T3 And T4 Being Towed By Motor Vehicles Of Categories N2 And N3</p> | <p>Status in 26th meeting: Draft document TED 22 (14066) W has been dropped from Portal. Committee may please note and deliberate for adoption of AIS 113.</p> <p>Decision in 26th meeting: Committee noted the information given in the agenda.</p> <p>Status in 27th meeting: Committee may please note and deliberate for adoption of AIS 113.</p> | <p>Decision in 27th meeting:</p> <p>ARAI informed that AIS 113 is notified standard under CMVR and currently lots of changes are happening in AIS 113 so it was decided to park the document for time being and it will be taken up for adoption later.</p> <p>Committee decided to drop the document from the portal and to take up the document for standardization in upcoming meetings.</p> |
| 8. | <p>IS 5008 : Part 1 : 1987</p> <p>Data sheet for industrial towing trucks: Part 1 I.C. engine powered</p> | <p>25th meeting status: Review document was circulated dt. 15.10.2022 and P Draft (TED 22 20782) was circulated dt. 15.10.2022. No comments are received on draft document.</p> <p>25th meeting decision:</p> | <p>Draft document is under preparation for issuing in WC</p> <p>Decision in 27th meeting:</p> <p>Committee noted the information given in the agenda.</p> |



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| | | <p>Committee decided to circulate the document in WC for 60 days.</p> <p>Status in 26th meeting: Draft document is under preparation for issuing in WC Committee may please note the status of the document.</p> <p>Decision in 26th meeting: Committee noted the information given in the agenda.</p> <p>Status in 27th meeting: Committee may please note the status of the document.</p> | |
| 9. | <p>IS 12807 : 1989 Drawbar eyes for mechanical connections between towing vehicles and trailers – Specification</p> | <p>25th meeting Status: Review documents awaited.</p> <p>25th meeting Decision: Member secretary briefed the review report submitted by BIS Officer. Committee decided to circulate the document in P- Draft circulation of 30 days. If no comment is obtained in circulation period, the document to be processed for WC of 60 days.</p> <p>Status in 26th meeting: Draft document TED 22(23297) was issued in P- Draft circulation for 30 days. Circulation date:19.8.2023 Committee may please note the status of the document</p> <p>Decision in 26th meeting: Representative from M/s Ashok leyland pointed out that IS 12807 specifies the characteristic of 40 mm and 50 mm drawbar eyes, whereas most of the requirements for 50 mm areal ready covered in document TED 22 (15462) (based on AIS 091). He requested committee to addressit suitably. Committee decided that for same size, there should not be two seperate set of standard. Committee further requested Panel 4 to deliberate on above point/documents and submit its recommendation to the committee before the next committee</p> <p>Status in 27th meeting: The panel meeting was held on 20 Feb 2024 and the decision is as under. MOM is attached as <u>Annex-2</u>.</p> <p>Shri Vishal Rawal, ARAI to check for 40 mm coupling coverage in AIS-091(Part 2) and give panel inputs about it. Also inform panel status of AIS-091(Part 2) conversion into Indian Standard.</p> | <p>Decision in 27th meeting: The committee deliberated and decided to process for new Indian standard based on AIS – 091: Part 2 and after publication of new standard, IS 12807 to be withdrawn. It is also decided to reaffirm IS 12807:1989 till the new standard is published.</p> <p>Committee decided to drop the document TED 22(23297) from the portal and issue new P-draft document (based on AIS – 091: Part 2) in circulation for 30 days.</p> |



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| | | <p>Decision in panel meeting held on 15th March 2024</p> <p>Shri Vishal Rawal, ARAI informed that 40mm draw bar eye requirements are covered in AIS-091(Part 2) and same criteria is also confirmed by Shri Faustino, M/s Ashok Leyland. Panel deliberated and agreed for withdrawal of IS 12807.</p> <p>Committee may deliberate on formulation of standard based on AIS – 091: Part 2.</p> | |
| 10. | <p>IS 10311: 1982</p> <p>General requirements of powered platform trucks and their acceptance criteria</p> | <p>24th meeting Decision: Committee decided that further study is required regarding applicability of various component in IS 10311. Committee requested member secretary to circulate the standard IS 10311 to committee members and committee agreed to form a panel under the Convenorship of ARAI. The panel will include representative from ARAI, Godrej, KION, JOST, ACMA and BIS.</p> <p>25th meeting Status: Minutes of the meeting was circulated to the members. Error! Reference source not found.</p> <p>25th meeting Decision: Shri Rizwan khan pointed that standard mentioned in panel meeting minutes is not AS 2351, it is AS 2359-1. Committee deliberated on panel discussion and directed panel to go through various available standards covered under QCO and AS 2359-1 and prepare the draft document by next meeting of SC TED.</p> <p>Status in 26th meeting: For revision of IS 10311 and to discuss comments received from CMD-III, a panel meeting was held on 27.7.2023. Minutes of the meeting is attached at Annex-5. Next panel meeting is scheduled on 25/8/2023 to finalize th`e panel recommendation Committee may please deliberate on panel recommendation.</p> <p>Decision in 26th meeting: Panel convenor briefed the minutes of the panel meetings which were held on 27.7.2023 (attached at <u>Annex5</u> of agenda) and 29.8.2023 (circulated with committee members vide mail dated:2/9/2023) Shri Sameer from M/s Jost's shared the updated presentation and briefed the changes done in the document. Committee requested M/s Jost's to update the draft as per panel recommendation.</p> | <p>Decision in 27th meeting:</p> <p>Committee deliberated and recommended for revision of IS 10311 with the modified document received from convener. The draft document to be issued in WC for 60 days.</p> <p>Committee decided that if no comments are received within wide circulation period, member secretary to process the document in publication. Further committee authorized member secretary to carry out editorial correction, if any</p> |



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| | | <p>Committee requested Member secretary to take up the comment related to wheel with TED 7 committee for obtaining clarification.</p> <p>Committee further requested Panel to look for international standards, if any, for reference of tyres. Committee decided to include clauses related to steering, steering effort, lighting and electrical requirements.</p> <p>Further for existing clauses related to brakes, travel control, guards, gradient requirement etc, committee requested to address suitably in detail and update the document for further deliberation of committee.</p> <p>Further committee decided to include M/s EDDYCURRENT CONTROLS (INDIA) LIMITED also in Panel 3 as they are involved in manufacturing of platform trucks.</p> <p>Status in 27th meeting:</p> <p>Panel meeting was held on 7th March 2024. The decision taken during the meeting is as under (MOM is attached as <u>Annex-3</u>:</p> <p>Shri Vishal Rawal, ARAI informed that Panel 2 had its meeting on 20th February 2024 virtually, wherein modified draft revision of IS 10311 was reviewed and few upgradations were highlighted.</p> <p>He added that draft revision was further updated capturing modifications highlighted during the panel meeting and was circulated to panel members.</p> <p>It was further added that in the 20th February panel meeting Shri Pophale from M/s Josts was requested to offer comments for discussion. Shri Sameer from Josts presented his comments on clause No. 6.3 (d), 6.1 and for extent of applicability of cross referred AIS standards. Panel agreed to incorporate the comments for further modification of draft revision of IS 10311 and for further submission to TED 22.</p> <p>Updated copy received from convenor.</p> <p>Committee may please deliberate.</p> | |
| 11. | <p>IS 8296: 2023</p> <p>Specification for towing jaw for use between trailers of</p> | <p>25th meeting Status:</p> <p>Document TED 22 (19075) W was shared in wide circulation dt. 20.09.2022 for 60 days. No comments are received on draft document.</p> | <p>Decision in 27th meeting:</p> <p>Committee deliberated that this standard is based on British</p> |



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| | <p>up to 35 tonnes gross mass and transport tractor</p> | <p>25th meeting Decision: ARAI informed that they have reviewed IS 8296 and briefed the review done by them. Committee decided to drop the document TED 22 (19075). Further committee recommended that IS 8296 could be merged with standard based on draft document TED 22 (15462). Committee requested ARAI to provide relevant portion of IS 8296 to include as amendment in standard based on draft document TED 22 (15462). Further committee recommended to withdraw IS 8296 after incorporating relevant portion in standard based on TED 22 (15462).</p> <p>Status in 26th meeting: Draft document TED 22 (15462) F is under preparation for forwarding to publication. Committee may please note.</p> <p>Decision in 26th meeting: Committee noted the information given in the agenda. Committee requested ARAI to share the identified content for amendment with BIS, as discussed during 25th meeting.</p> <p>Status in 27th meeting: Draft document TED 22 (15462) F is under preparation for forwarding to publication.</p> <p>Committee may please note</p> | <p>Standard BS AU 28:1964. It is decided to relook and examine the requirements of British Standard & Indian standard. Panel 5 to undertake the work and submit their recommendation. BIS is requested to share the latest BS standard (BS AU 28:1964) to the members.</p> |
| <p>12.</p> | <p>IS 8297: 1976 Specification for towing jaw for use between trailers of up to 16 tonnes gross mass and transport tractor</p> | <p>25th meeting Status: Document TED 22 (19074) W was shared in wide circulation dt. 20.09.2022 for 60 days. No comments are received on draft document.</p> <p>25th meeting Decision: Committee decided to process the document for publication and authorized member secretary to carry out editorial correction, if any.</p> <p>Status in 26th meeting: It is observed that IS 1364: 1967 is referred in IS 8297 for bolt (M 16×1.5P) IS 1364: 1967 has been revised and published as IS 1364 Part 1, Part 2, Part 3, Part 4, Part 5 and Part 6). (M 16×1.5P) could not be traced, committee may please deliberate for reference and updating of draft document.</p> <p>Decision in 26th meeting: Committee deliberated and requested Panel 4 to update the draft document. It decided that updated draft document to be processed into wide circulation of 30 days.</p> | <p>Decision in 27th meeting: Committee deliberated that IS 8297: 1976 is a very old standard. AIS 091 Part-1 Equivalent Indian Standard (TED 22 (15462) is getting published. Once this Indian Standard is published, the IS 8297: 1976 to be withdrawn.</p> <p>Committee requested member secretary to insert information in foreword of document TED 22 (15462) regarding superseding of all the related Indian Standards (like IS 10766, IS 14880 and IS 12351).</p> |



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| | | <p>Further it was decided that if no comments are received within WC period, Member Secretary to process the document in publication and authorized member secretary to carry out editorial correction, if any.</p> <p>Status in 27th meeting: Panel meeting was held on 20 Feb 2024 and the decision taken is as under: MOM attached as <u>Annex-2</u></p> <p>It was decided to propose TED 22 sectional committee withdrawal of IS 8297 after publication of following TED 22 (15462) W.</p> <p>Decision in panel meeting held on 15th March 2024:</p> <p>Panel reiterated its stand as decided in panel meetings held on 20th February 2024 for withdrawal of IS 8297.</p> | |
| 13. | <p>IS 8298: 1978299 6</p> <p>Specification for towing jaw for use between trailers of up to 5 tonnes gross mass and transport tractor</p> | <p>25th meeting Status: Document TED 22 (19076) W was shared in wide circulation dt. 20.09.2022 for 60 days. No comments are received on draft document.</p> <p>25th meeting Decision: Committee decided to process the document for publication and authorized member secretary to carry out editorial correction, if any.</p> <p>Status in 26th meeting: It is observed that IS 1364: 1967 is referred in IS 8298 for bolt (M 12×1.5P) IS 1364: 1967 has been revised and published as IS 1364 Part 1, Part 2, Part 3, Part 4, Part 5 and Part 6).</p> <p>(M 12×1.5P) could not be traced, committee may please deliberate for reference and updating of draft document.</p> <p>Decision in 26th meeting: Committee deliberated and requested Panel 4 to update the draft document. It decided that updated draft document to be processed into wide circulation of 30 days.</p> <p>Further it was decided that if no comments are received within WC period, Member Secretary to process the document in publication and authorized member secretary to carry out editorial correction, if any.</p> <p>Further committee authorized member secretary to carry out editorial correction, if any Draft document TED 22 (15462) F is under preparation for forwarding to publication.</p> | <p>Decision in 27th meeting:</p> <p>Committee deliberated that IS 8297: 1976 is a very old standard. AIS 091 Part-1 Equivalent Indian Standard (TED 22 (15462) is getting published. Once this Indian Standard is published, an amendment will be issued to TED 22 (15462) published document for the requirements of IS 8297: 1976. After publication of Amendment, IS 8297: 1976 to be withdrawn.</p> |



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| | | <p>Committee may please note</p> <p>Status in 27th meeting: Panel meeting was held on 20 Feb 2024 and the decision taken is as under: MOM attached as <u>Annex-2</u> It was decided to propose TED 22 sectional committee withdrawal of IS 8298 after publication of following TED 22 (15462) W. However, Ashok Leyland was requested to propose amendments to Indian Standard which would be published copy of TED 22 (15462) W and AIS-091 (Part 1).</p> <p>Decision in panel meeting held on 15th March 2024</p> <p>Shri Vishal Rawal, ARAI informed that as decided in panel meeting held on 20th February 2024, draft amendment received from Shri Faustino, M/s Ashok Leyland was circulated to panel members and no comments were received. Panel members reviewed and confirmed to put up it to TED 22 for further process as P-circulation.</p> <p>Committee may Deleberate.</p> | |
| 14. | <p>IS 8299: 1976</p> <p>Specification for towing hook for use between trailers of up to 16 tonnes gross mass and transport tractor</p> | <p>25th meeting Status:</p> <p>Document TED 22 (18938) W was shared in wide circulation dt. 20.09.2022 for 60 days. No comments are received on draft document.</p> <p>25th meeting Decision: ARAI informed that they have reviewed IS 8299 and briefed the review done by them. Committee decided to drop the document TED 22 (18938). Further committee recommended that IS 8299 could be merged with standard based on draft document TED 22 (15462). Committee requested ARAI to provide relevant portion of IS 8299 to include as amendment in standard based on draft document TED 22 (15462). Further committee recommended to withdraw IS 8299 after incorporating relevant portion in standard based on TED 22 (15462).</p> <p>Status in 26th meeting: Draft document TED 22 (15462) F is under preparation for forwarding to publication. Committee may please note.</p> <p>Decision in 26th meeting:</p> | <p>Decision in 27th meeting:</p> <p>Committee deliberated that this standard is based on British Standard BS AU 28:1964. It is decided to relook and examine the requirements of British Standard & Indian standard. Panel 5 to undertake the work and submit their recommendation. BIS is requested to share the latest BS standard (BS AU 28:1964) to the members.</p> |



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| | | <p>Committee noted the information given in the agenda. Committee requested ARAI to share the identified content for amendment with BIS, as discussed during 25th meeting.</p> <p>Status in 27th meeting: Draft document TED 22 (15462) F is under preparation for forwarding to publication.</p> <p>Committee may please note.</p> | |
| 15. | <p>IS 8300: 1976</p> <p>Specification for towing hook for use between trailers of up to 35 tonnes gross mass and transport tractor</p> | <p>25th meeting Status: Document TED 22 (18939) W was shared in wide circulation dt. 20.09.2022 for 60 days. No comments are received on draft document.</p> <p>25th meeting Decision: Committee decided to process the document for publication and authorized member secretary to carry out editorial correction, if any.</p> <p>Status in 26th meeting: It is observed that IS 1364: 1967 is referred in IS 8300 for bolt (M 20×1.5P) IS 1364 :1967 has been revised and published as IS 1364 Part 1, Part 2, Part 3, Part 4, Part 5 and Part 6). (M 20×1.5P) could not be traced, committee may please deliberate for reference and updating of draft document.</p> <p>Decision in 26th meeting: Committee deliberated and requested Panel 4 to update the draft document. It decided that updated draft document to be processed into wide circulation for 30 days.</p> <p>Status in 27th meeting: Panel meeting was held on 20 Feb 2024 and the decision taken is as under: MOM attached as <u>Annex-2</u></p> <p>It was decided to check updates in base reference standard to decide re-affirmation, revision in future. Ashok Leyland was requested To give inputs before next meeting.</p> <p>Decision in panel meeting held on 15th March 2024</p> <p>Shri Faustino, M/s Ashok Leyland offered their views after panel meeting that the standard needs to be re-affirmed considering following: 1. Standard does not cover strength requirement 2. It covers open type coupling and are not covered in</p> | <p>Decision in 27th meeting:</p> <p>Committee decided to reaffirm the standard without any change. The date of last reaffirmation is verified and found that it was already reaffirmed in Feb 2022 and therefore, no action is required at present.</p> |



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| | | <p>AIS-091(Part 1) 3. Coupling as per this standard is used for defense vehicles</p> | |
| <p>16.</p> | <p>IS 8752: 1978</p> <p>Specification for towing hook for use between trailers of up to 5 tonnes gross mass and transport tractor</p> | <p>25th meeting Status: Document TED 22 (19077) W was shared in wide circulation dt. 20.09.2022 for 60 days. No comments are received on draft document.</p> <p>25th meeting Decision: Committee decided to process the document for publication and authorized member secretary to carry out editorial correction, if any.</p> <p>Status in 26th meeting: It is observed that IS 1364: 1967 is referred in IS 8752 for bolt (M 12×1.5P) IS 1364: 1967 has been revised and published as IS 1364 Part 1, Part 2, Part 3, Part 4, Part 5 and Part 6).</p> <p>(M 12×1.5P) could not be traced, committee may please deliberate for reference and updating of draft document</p> <p>Decision in 26th meeting: Committee deliberated and requested Panel 4 to update the draft document. It decided that updated draft document to be processed into wide circulation for 30 days.</p> <p>Status in 27th meeting: Panel meeting was held on 20 Feb 2024 and the decision taken is as under: MOM attached as <u>Annex-2</u></p> <p>It was decided to check updates in base reference standard to decide re-affirmation, revision in future. Ashok Leyland was requested to give inputs before next meeting.</p> <p>Decision in panel meeting held on 15th March 2024</p> <p>Shri Faustino, M/s Ashok Leyland offered their views after panel meeting that the standard needs to be re-affirmed considering following: 1. Standard does not cover strength requirement 2. It covers open type coupling and are not covered in AIS-091(Part 1) 3. Coupling as per this standard is used for defense vehicles</p> | <p>Decision in 27th meeting:</p> <p>Committee decided to reaffirm the standard without any change. The date of last reaffirmation is verified and found that it was already reaffirmed in Feb 2022 and therefore, no action is required at present.</p> |



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| 17. | <p>IS 8790 (Part 2): 1978</p> <p>General requirements of powered industrial trucks working in hazardous areas: Part 2 electric - Battery - Powered industrial trucks</p> | <p>25th meeting Status: Draft document is under preparation. In IS 8790-2 reference of IS 5755: 1970 is mentioned, however IS5755 <i>Mineral insulated aluminium sheathed cables with aluminium conductors</i> has been withdrawn.</p> <p>25th meeting Decision: Committee noted the information given in the agenda and directed Member secretary to forward IS 5755: 1970 to Shri Rizwan Khan. Further committee requested Shri Rizwan Khan to provide relevant part of IS 5755: 1970 to include in draft documents and authorized BIS to process the document in wide circulation for 60 days, once the input is received from KION.</p> <p>Status in 26th meeting: Input from Shri Rizwan khan (KION) is awaited. KION is kindly requested to submit the relevant portion for updating the draft. Committee may please note.</p> <p>Decision in 26th meeting: Committee requested M/s KION to provide the input within 14 days, for issuing the draft into WC for 60 days.</p> <p>Status in 27th meeting: Input is received from Shri Rizwan khan (KION) vide mail dated 06.09.2023.</p> <p>Input is attached at Annex -</p> <p>Committee may please deliberate.</p> | <p>Decision in 27th meeting:</p> <p>Committee deliberated on the comments of Shri Rizwan Khan received vide email dated 6 September 2023 and decided to incorporate the proposed changes against existing in Cl 5.1.4 of IS 8790 (Part 2): 1978 in draft documents and authorized BIS to process the document in wide circulation for 60 days.</p> |
| 18. | <p>IS 9099 (Part 2): 1980</p> <p>Performance testing of powered industrial trucks working in hazardous areas: Part 2 electric battery powered industrial trucks</p> | <p>25th meeting Status: Document TED 22 (19022) W was shared in wide circulation dt. 20.09.2022 for 60 days. No comments are received on draft document.</p> <p>25th meeting Decision: Committee decided to process the document for publication and authorized member secretary to carry out editorial correction, if any.</p> <p>Status in 26th meeting: Draft document TED 22 (19022)F has been submitted to HTED for approval to process in Publication Committee may please note the status of the document.</p> <p>Decision in 26th meeting: Committee decided to put the publication on hold. Further it requested BIS and ARAI to look for international standards available, if any from which</p> | <p>Decision in 27th meeting:</p> <p>Committee noted that the document processed to publication and further committee authorized member secretary to carry out editorial correction, if any.</p> |



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| | | <p>assistance could be taken to update the draft document, considering the Indian condition. It also requested Godrej and KION to review and submit comments.</p> <p>Committee requested Panel 1 to deliberate further based on input received.</p> <p>Status in 27th meeting: Draft document TED 22 (19022) has been issued WC for 60 days.</p> <p>WC dated: 20.09.2022</p> | |
| 19. | <p>IS 11683: 1986</p> <p>Methods of test for industrial tractors</p> | <p>25th meeting Status: P-Draft (TED 22 20787P) was shared on 15.10.2022. No comments are received on draft document.</p> <p>25th meeting Decision: Committee decided to process the document in Wide circulation of 60 days. Further, it was decided that If no comment are received in wide circulation period, the document to be processed for publication.</p> <p>Status in 26th meeting: Draft Document TED 22 (20787) W is attached at Annex- 6. Committee may please deliberate to update Table 1 and 2 to bring clarity and to update</p> <p>Decision in 26th meeting: Committee deliberated and modified the draft. Modified Tables are attached at Annex 1.</p> <p>Status in 27th meeting: The Draft Document TED 22 (20787) W will be issued into wide circulation shortly.</p> <p>Committee may please note</p> | <p>Decision in 27th meeting:</p> <p>Committee decided to check for availability of any equivalent ISO and if no such ISO is available, recommended for putting the document in WC for 60 days.</p> <p>If no comment is received in circulation period, committee decided to process the document for publication and authorized member secretary to carry out editorial correction, if any.</p> |
| 20. | <p>IS 11757: 1986</p> <p>General requirements and acceptance criteria for forklift trucks with capacity from 10000 kg to 50000 kg</p> | <p>25th meeting Status: P-Draft (TED 22 20783P) was shared on 15.10.2022. No comments are received on draft document.</p> <p>25th meeting Decision: Committee decided to process the document in Wide circulation of 60 days. Further, it was decided that If no comment are received in wide circulation period, the document to be processed for publication.</p> <p>Status in 26th meeting: While processing the document in WC, it was observed that IS 7617: 1984 (Code of practice for maintenance of forks for forklift trucks) is referred in the standard, which has been withdrawn.</p> | <p>Decision in 27th meeting:</p> <p>Committee decided to cross verify the status of IS 7617:1984 and if it is withdrawn, to be replaced by the superseded standard before putting the document in WC for 60 days.</p> <p>If no comment is received in circulation period, committee decided to process the document for publication and authorized member secretary to carry out editorial correction, if any.</p> |



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| | | <p>Committee may please deliberate and update the document to issue in WC.</p> <p>Decision in 26th meeting: Committee requested M/s Godrej, M/s KION and M/s Tusker to review IS 7617 and IS 14770. Committee requested Panel 1 to deliberate and update the draft document within 2 months and submit to BIS. Committee decided to circulate the updated draft document in WC for 60 days with approval of Chairperson.</p> <p>Status in 27th meeting: The Draft Document TED 22 (20783) W will be issued into wide circulation shortly.</p> <p>Committee may please note.</p> | |
| 21. | <p>IS 13327: 1992</p> <p>Automotive vehicles - Anchorages for towing ropes, cables or bars - Specification</p> | <p>25th meeting Status: Review report was circulated dt. 07.12.2022. Attached at Error! Reference source not found.</p> <p>25th meeting Decision: Committee decided to align the standard with ISO and include the marking clause as proposed in draft document. Further committee requested TML, SDR Auto and Ashok Leyland to review IS 13327 and to suggest if any further change/modification is required in draft document within 30 days. Comment received from them to be included in draft document and draft document to be shared in P-Draft circulation of 30 days.</p> <p>Status in 26th meeting: Input was sought from TML, SDR Auto and Ashok Leyland wide mail dated 13/6/2023. No input was received. As decided during 25th meeting, the draft document TED 22 (23309) has been issued in P-Draft circulation for 30 days. Circulation date: 21.8.2023 Committee may please note the status of the document.</p> <p>Decision in 26th meeting: Representative from M/s Ashok Leyland pointed out that requirement of vehicles with total weight more than 3.5 tonnes are not covered in IS 13327. Committee requested M/s Tata Motor Limited and M/s Ashok Leyland to review ISO 8035 keeping in mind the requirement given in IS 9760 and submit their input before next meeting, regarding adoption of ISO 8035.</p> <p>Committee deliberated on draft TED 22(23309) and decided that in case of no comment is received within P-Draft circulation period, it to be issues into WC for 60 days.</p> <p>Status in 27th meeting:</p> | <p>Decision in 27th meeting: Committee decided to review the inputs in panel 3 and continue to work on it. The recommendation of the panel to be considered for deliberation in next SC meeting. Panel also to explore the availability of any equivalent ISO.</p> |



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| | | <p>Input was sought from TML, SDR Auto and Ashok Leyland wide mail dated 13/6/2023. No input was received.</p> <p>As decided during 25th meeting, the draft document TED 22 (23309) has been issued in P-Draft circulation for 30 days.</p> <p>Circulation date: 21.8.2023</p> <p>Committee may please note the status of the document.</p> <p>Decision in panel meeting held on 15th March 2024</p> <p>Shri Harrish from M/s Tata Motors Ltd. presented their inputs on comparison study of IS 13327:1992 and ISO 8035. Based on their studies they have proposed to adopt ISO 8035. Members were requested to offer their views 19th March 2024 regarding adoption of ISO 8035.</p> | |
| 22. | <p>IS 6763 (Part 1): 1987</p> <p>Specification and testing for fifth wheel king pin for semi - Trailers: Part 1 size 50 (First Revision)</p> | <p>25th meeting Status: Review report awaited from Shri B. Ramesh, SDR AUTO</p> <p>25th meeting Decision: Committee noted the input given by Shri B Ramesh, SDR Auto. Committee decided to reaffirm IS 6763 Part 1 and Part 2 as of now.</p> | <p>Decision in 27th meeting:</p> <p>Committee decided that Panel 4 to continue to work and submit their recommendation. The recommendation of the panel to be considered for deliberation in next SC meeting.</p> |
| 23. | <p>IS 6763 (Part 2): 1987</p> <p>Specification and testing for fifth wheel king pin for semi - Trailers: Part 2 size 90 (First Revision)</p> | <p>Committee recommended to align IS 6763 (Part 1 and 2) and standard on TED 22 (15462) based on worst case criteria. This to be done through amendment in standard (TED 22 15462).</p> <p>Committee requested ARAI to look the standard based on TED 22 (15462) and IS 6763 Part 1 and part 2 and provide draft document for the above.</p> <p>It was also recommended that after inclusion of relevant portion as amendment in standard based on TED 22 (15462), committee may discuss again for withdrawal/retention of IS 6763 Part 1 and Part 2.</p> <p>Status in 26th meeting: Draft document TED 22 (15462) F is under preparation for forwarding to publication. Committee may please note.</p> <p>Decision in 26th meeting: Committee requested ARAI to submit the relevant portion from IS 6763 Part 1 and Part 2 for</p> | |



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| | | <p>amendment in Indian Standards (which will be published from document TED 22 (15462) F.</p> <p>Status in 27th meeting: Draft document TED 22 (15462) F is under preparation for forwarding to publication.</p> <p>Committee may please note.</p> | |
| 24. | <p>IS 7217: 1990</p> <p>Classification and nomenclature of powered industrial trucks (First Revision)</p> | <p>25th meeting Status: P-Draft was shared on 15.10.2022.</p> <p>25th meeting Decision: Committee decided to process the document in wide circulation of 60 days.</p> <p>Status in 26th meeting: F- Draft (TED/22/20779) F is under preparation, it will be processed to publication, shortly. However, during panel meeting dated 18.8.2023, panel recommended to revise IS 7217 by adopting ISO 5053-1. Committee may please deliberate on panel recommendation.</p> <p>Decision in 26th meeting: Committee deliberated on Panel recommendation and decided to drop the draft document TED/22/20779. Further, for revision of IS 7217: 1990, committee decided to adopt IS 5053-1: 2020. Further it decided to circulate the draft document into wide circulation for 60 days.</p> <p>Decision in 27th meeting: Panel meeting was held on 7th March 2024. The decision taken during the meeting is as under (MOM is attached as <u>Annex-3</u>):</p> <p>Members confirmed for adoption of ISO 5053-1:2020 and its wide circulation.</p> <p>It was heighthed that ISO 5053-1:2020 covers requirements of IS 7217: 1990 and IS 4660: 1993.</p> <p>Hence, after publication of dual numbered identical adoption of ISO 5053- 1:2020 Indian standards viz. IS 7217: 1990 and IS 4660: 1993 could be withdrawn.</p> <p>BIS was requested to check for possibility of wide circulation.</p> <p>Committee may please deliberate on panel recommendation.</p> | <p>Decision in 27th meeting: Committee decided to process the document publication of dual numbered for identical adoption of ISO 5053- 1:2020 Indian standards viz. IS 7217: 1990 and IS 4660: 1993 could be withdrawn after adoption of ISO 5053- 1:2020.</p> <p>Further it decided to circulate the draft document into wide circulation for 60 days.</p> |



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| <p>25.</p> | <p>IS 7774 (Part 1): 1975</p> <p>Glossary of terms relating to transport tractors and trailers: Part 1 basic terms</p> | <p>25th meeting Status: Panel meeting was held on 21st of December 2022. Minutes of the meeting is attached at <u>Annex-2</u></p> <p>25th meeting Decision: Committee did not accede the panel recommendation and requested Panel convenor to have a panel meeting again on review documents. Committee further decided to process the documents in wide circulation of 60 days, once the panel recommendation is received.</p> <p>Status in 26th meeting: A panel meeting is scheduled on 25/8/2023 to finalize the panel recommendation. Minutes of the meeting will be shared after 25/8/2023. Committee may please deliberate on panel recommendation for revision of IS 7774-1</p> <p>Decision in 26th meeting: Minutes of the panel meeting was circulated with committee members vide mail dated: 29/8/2023 Panel convenor briefed the panel recommendation. Committee accepted panel recommendation and requested TML to update the draft incorporating the agreed comments for issuing in WC for 60 days. Committee decided that if no comments are received within wide circulation period, member secretary to process the document in publication. Further committee authorized member secretary to carry out editorial correction, if any.</p> <p>Status in 27th meeting: The draft document issued in wide circulation for 60 days.</p> <p>No comment received on the drafts document.</p> <p>Committee may please deliberate.</p> | <p>Decision in 27th meeting:</p> <p>Committee decided to processed for publication of TED22 (19048) and further committee authorized member secretary to carry out editorial correction, if any.</p> |
| <p>26.</p> | <p>IS 12157: 1987</p> <p>Requirements for construction of work platform of powered industrial trucks (For Maintenance Purposes)</p> | <p>25th meeting Status: P-Draft (TED 22 20780P) was shared on 15.10.2022. No comments are received on draft document.</p> <p>25th meeting Decision: Committee decided to process the document in Wide circulation of 60 days. Further, it was decided that If no comment are received in wide circulation period, the document to be processed for publication.</p> <p>Status in 26th meeting: Draft document TED 22 (20780) has been submitted to HTED to issue in WC for 60 days. Committee may please note the status of the</p> | <p>Decision in 27th meeting:</p> <p>Committee decided to processed for publication of TED 22 (20780) W and further committee authorized member secretary to carry out editorial correction, if any.</p> |



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| | | <p>document.</p> <p>Decision in 26th meeting: Committee noted the information given in the agenda.</p> <p>Status in 27th meeting: Draft document TED 22 (20780) has been issued WC for 60 days.</p> <p>WC dated: 01.09.2023</p> <p>No comment is received on WC draft.</p> <p>Committee may please deliberate.</p> | |
| 27. | <p>IS 15101: 2002</p> <p>Transport tractors and trailers fifth wheel couplings - Strength tests</p> | <p>25th meeting Status: Document would be processes for withdrawal after publication of TED 22(15462).</p> <p>25th meeting Decision: Committee noted the information given in agenda.</p> <p>Status in 26th meeting: Draft document TED 22 (15462) F is under preparation for forwarding to publication.</p> <p>Decision in 26th meeting: Committee noted the information given in the agenda.</p> <p>Status in 27th meeting: Draft document TED 22 (15462) F is under preparation for forwarding to publication.</p> <p>Committee may please note.</p> | <p>Decision in 27th meeting:</p> <p>Committee noted the information given in the agenda.</p> <p>Committee requested member secretary to insert information in foreword of document TED 22 (15462) regarding superseding of all the related Indian Standards (like IS 10766, IS 14880 and IS 12351).</p> |
| 28. | <p>IS 9760: 1981</p> <p>Dimensions for coupling arrangements between towing vehicle and trailer</p> | <p>25th meeting Status: Document TED 22 (18940) W was shared in wide circulation dt. 20.09.2022 for 60 days. No comments are received on draft document.</p> <p>25th meeting Decision: Committee decided to process the document for publication and authorized member secretary to carry out editorial correction, if any.</p> <p>Status in 26th meeting: F- Draft is under preparation, it will be processed to publication, shortly. Committee may please note the status of the document.</p> <p>Decision in 26th meeting: Representative from M/s Ashok Leyland, informed that all requirement of IS 9760 are covered in draft document TED 22 (15462). Committee decided to put the publication on hold.</p> | <p>Decision in 27th meeting:</p> <p>Committee decided to processed for publication of TED 22 (18940) W and further committee authorized member secretary to carry out editorial correction, if any.</p> |



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| | | <p>Committee requested Ashok Leyland and ARAI to review IS 9760 and provide suitable draft within 2 month, to Panel 4 for further deliberation for amendment in Indian Standard (which will be published from TED 22-15462),.</p> <p>Status in 27th meeting: Panel meeting was held on 20 Feb 2024 and the decision taken is as under: MOM attached as <u>Annex-2</u></p> <p>Panel reviewed the standard and decide to re-affirm it based on confirmation from all vehicle as well as trailer manufacturer.</p> <p>Decision in panel meeting held on 15th March 2024</p> <p>Based on their studies, Shri Harrish (TML) and Shri Nithin (M/s Satrac) submitted that standard needs to be re-affirmed. Panel members reviewed above inputs and it was decided that Dr. Ramesh (SDR Auto) and Shri Sameer Virkar (Jost India) will confirm on it by 19th March 2024.</p> | |
| 29. | <p>IS 9099 (Part 1): 1979</p> <p>Performance testing of powered industrial trucks working in hazardous areas: Part 1 - Internal combustion engine powered</p> | <p>25th meeting Status: Document TED 22 (19021) W was shared in wide circulation dt. 13.12.2022 for 60 days. No comments are received on draft document.</p> <p>25th meeting Decision: Committee decided that if no comments are received within circulation time, member secretary to process the document for publication and authorized member secretary to carry out editorial correction, if any.</p> <p>Status in 26th meeting: Draft document TED 22 (19021) F has been submitted to HTED for approval to process in Publication Committee may please note the status of the document.</p> <p>Decision in 26th meeting: Committee decided to put the publication on hold. Further it requested BIS and ARAI to look for international standards available, if any from which assistance could be taken to update the draft document, considering the Indian condition. It also requested Godrej and KION to review and submit comments.</p> <p>Committee requested Panel 1 to deliberate further based on input received.</p> <p>Status in 27th meeting:</p> | <p>Decision in 27th meeting:</p> <p>Committee noted that the document processed to publication and further committee authorized member secretary to carry out editorial correction, if any.</p> |



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| | | <p>Draft document TED 22 (19021) has been issued WC for 60 days.</p> <p>WC dated: 13.12.2022</p> | |
| 30. | <p>IS 8790 (Part 1): 1978</p> <p>General requirements of powered industrial trucks working in hazardous areas: Part 1 internal combustion engine powered trucks</p> | <p>25th meeting Status: Document TED 22 (19030) W was shared in wide circulation dt. 20.09.2022 for 60 days. No comments are received on draft document.</p> <p>25th meeting Decision: Committee decided to process the document for publication and authorized member secretary to carry out editorial correction, if any.</p> <p>Status in 26th meeting: F- Draft is under preparation, it will be processed to publication, shortly. Committee may please note the status of the document.</p> <p>Decision in 26th meeting: Committee noted the information given in the agenda.</p> <p>Status in 27th meeting: Draft document TED 22 (19030) has been issued WC for 60 days.</p> <p>WC date: 20.09.2022</p> | <p>Decision in 27th meeting: Committee noted the information given in the agenda.</p> <p>8903</p> |
| 31. | <p>IS 7496: 1974</p> <p>Specification for direction of travel - Controls for industrial tractors and powered industrial trucks</p> | <p>25th meeting Status: Document TED 22 (19045) W is under drafting, it will be shared in wide circulation shortly</p> <p>25th meeting Decision: Committee noted the status of the document given in agenda.</p> <p>Status in 26th meeting: HTED referred the draft document to name the figures. Committee may please deliberate and update the draft.</p> <p>Decision in 26th meeting: Committee deliberated and requested ARAI to update draft and submit to BIS to issue in wide circulation for 60 days.</p> <p>Status in 27th meeting: Input form ARAI is awaited.</p> | <p>Decision in 27th meeting: Committee deliberated and ARAI informed that work is completed. Titles are given to the various figures in the standard. The document to be processed for publication.</p> <p>Further committee authorized member secretary to carry out editorial correction, if any</p> |
| 32. | <p>IS 14770: 1999</p> <p>Industrial trucks - Inspection and repair of fork arms in service on fork - Lift trucks</p> | <p>25th meeting Status: Review report Circulated dated: 14.10.2022</p> <p>25th meeting Decision Committee decided to circulate the document in P- Draft circulation of 30 days. If no comment is obtained in circulation period, the document to be</p> | <p>Decision in 27th meeting: Committee deliberated and found that document was already completed WC stage. No comment is received during WC.</p> |



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| | | <p>processed for WC of 60 days.</p> <p>Status in 26th meeting: IS 14770: 1999 was identical adoption of ISO 5057:1993. National foreword, based on ISO 5057:2022, for revision of IS 14770 has been issued in P-Draft circulation for 30 days. Draft document TED22 (23312) P Circulation date: 21/8/2023 Committee may please note the status of the document</p> <p>Decision in 26th meeting: M/s Godrej and M/s KION requested BIS to circulate ISO 5057:2022 with them for review. Committee deliberated and decided that if no comments are received on draft document TED 22 (23312) P within the circulation period, document to be issued into wide circulation of 60 days.</p> <p>Status in 27th meeting: No comment received WC document under preparation.</p> <p>WC date: 14.12.2023</p> <p>Committee may please Deliberate.</p> | <p>Recommended to process the document for publication and authorized Member Secretary to carry out editorial corrections, if any</p> |
| 33. | <p>IS 12606 : 1989</p> <p>Transport tractors and trailers – Static load on ball couplings</p> | <p>25th meeting Status: Review report Circulated dated: 28.11.2022</p> <p>25th meeting Decision: Committee decided to circulate the document in P- Draft circulation of 30 days. If no comment is obtained in circulation period, the document to be processed for WC of 60 days.</p> <p>Status in 26th meeting: Draft document TED 22 (23018) was issued in P-draft circulation for 30 days. Circulation date: 19.7.2023 No comment is received on draft document. Committee may please deliberate to issue the draft document in WC.</p> <p>Decision in 26th meeting: Committee decided to process the draft document TED 22 (23018) in wide circulation for 60 days.</p> <p>Status in 27th meeting:</p> <p>Draft document TED 22 (23018) was issued in wide circulation for 60 days.</p> <p>Circulation date:14.12.2023</p> <p>No comment is received on draft document.</p> | <p>Decision in 27th meeting:</p> <p>Committee deliberated and decided to process the draft document for publication and authorized Member Secretary to carry out editorial corrections, if any</p> |



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| | | Committee may please deliberate. | |
| 34. | <p>IS 12358 : 1988</p> <p>Specification for 'Contact' Type Coupling for Vacuum and Pressure Systems Connection Between Tractor and Trailer</p> | <p>25th meeting Status: Review report Circulated dated: 28.11.2022</p> <p>25th meeting Decision: Committee decided to circulate the document in P- Draft circulation of 30 days. If no comment is obtained in circulation period, the document to be processed for WC of 60 days.</p> <p>Status in 26th meeting: Draft document (TED 22 (23017) was issued in P-draft circulation for 30 days. Circulation date: 19.7.2023 No comment is received on draft document. Committee may please deliberate to issue the draft document in WC.</p> <p>Decision in 26th meeting: Committee decided to process the draft document TED 22 (23017) in wide circulation for 60 days.</p> <p>Status in 27th meeting:</p> <p>Draft document TED 22 (23017) was issued in wide circulation of 60 days.</p> <p>Circulation date:14.12.2023</p> <p>No comment is received on draft document.</p> <p>Committee may please deliberate.</p> | <p>Decision in 27th meeting:</p> <p>Committee deliberated and decided to process the draft document for publication and authorized Member Secretary to carry out editorial corrections, if any</p> |
| 35. | <p>IS 4660 : 1993</p> <p>Powered industrial trucks - Terminology (Third Revision)</p> | <p>25th meeting status:</p> <p>Review document was circulated dt. 14.10.2022 and P Draft (TED 22 20795) was circulated dt. 17.10.2022. No comments are received on draft document.</p> <p>25th meeting decision: Committee decided to circulate the document in WC for 60 days.</p> <p>Status in 26th meeting: Draft document is under Preparation for issuing in WC. Committee may please note.</p> <p>Decision in 26th meeting: Member secretary briefed Panel 1 observation about IS 4660. (Panel 2 meeting dated 18/8/2023) Committed decided to put the draft document TED 22 (20795) on hold and requested M/s Jost's to complete the review within 1 month and submit their recommendation to BIS for further deliberation by Panel 1.</p> | <p>Status in 27th meeting:</p> <p>Committee deliberated and decided to circulate the document in WC for 60 days. If no comments are received on draft document within the circulation period, document to be processed for Publication and authorized Member Secretary to carry out editorial corrections, if any</p> |



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| | | <p>Status in 27th meeting: Panel meeting was held on 7th March 2024. The decision taken during the meeting is as under (MOM is attached as <u>Annex-3</u>:</p> <p>M/s Josts, based on their review recommended wide circulation of TED 22 (20795) instead of putting it on hold. BIS was requested to review next step for advancement of document viz. wide circulation, etc.</p> <p>Committee may deliberate for the adoption of ISO 5053:1987</p> | |
| 36. | <p>IS 13579 : 1992 Transport trailers - Methods of test</p> | <p>25th meeting status: Review report (ARP)circulated dt: 10. 10.2022</p> <p>25th meeting decision: ARAI informed that they have completed the review of IS 13579: 1992. Committee decided to reaffirm IS 13579: 1992 as of now and decided that IS 13579: 1992 to be withdrawn after conversion of AIS 113 into India Standards.</p> <p>Status in 26th meeting: IS 13579 has been reaffirmed. Committee may please note.</p> <p>Decision in 26th meeting: Committee noted the information given in the agenda.</p> <p>Status in 27th meeting: IS 13579 has been reaffirmed. Committee may please note.</p> | <p>Decision in 27th meeting: Committee noted the information given in the agenda.</p> |
| 37. | <p>Adoption of ISO 3691-1 TED 22 (20354)</p> <p>IS 6305 (Part 1 & 2) : 1980 I ISO 3691 : 1980 (see Amd 1 : 1983) Safety Code for powered Industrial Trucks — Part 1 Application, Operation and maintenance Part II : Manufacture</p> | <p>Status in 26th meeting: Panel meetings were held on 27/7/2023 and 18/8/2023 wherein M/s Godrej is requested to submit the analysis report and recommendation before 26th meeting of TED 22. Committee may please deliberate on submitted analysis report and recommendation.</p> <p>Decision in 26th meeting: Member Secretary briefed the minutes of panel meetings, which were held on 27.7.2023 and 18.8.2023. Representative from M/s KION informed that for ISO 20898, confirmation from Battery supplier is awaited and it may take one month time further. Further, committee decided that based on input received from M/s KION and M/s Godrej, Panel 1 meeting may be held for further deliberation and finalization of panel recommendation.</p> | <p>Decision in 27th meeting: Committee deliberated on recommendation of panel and decided to adopt ISO 3691-1 i.e. TED 22 (20354) identically with dual number system and requested BIS to process the National foreword into WC for 60 days. If no comment is received during WC, Committee authorize member secretary to process the draft for publication.</p> |



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| | | <p>Status in 27th meeting:</p> <p>Panel meeting was held on 7th March 2024. The decision taken during the meeting is as under (MOM is attached as <u>Annex- 3</u>):</p> <p>Shri Rizwan Khan, M/s KION informed that Battery supplier has confirmed for feasibility as highlighted during discussions in 26th sectional meeting of TED 22. However he highlighted about few more confirmation are needed for testing as per paragraph numbers 6.2.3.1, 5.2.5.1 and 5.1.9 of ISO 20898.</p> <p>Shri Anand Tawade, M/s Godrej informed that they have confirmed finger protection test internally from feasibility point of view and design changes that can lead to design change requirements. He further added that Amendment 1 to ISO 3691 is recently issued and need to be covered in the standard before its publication.</p> <p>Shri Rizwan Khan, added that apart from battery testing and finger protection test, clarity on other aspects is also necessary for approval/ adoption of ISO 3691-1 i.e. TED 22 (20354). Godrej and Josts confirmed this approach.</p> <p>Committee may please deliberate on Panel recommendation</p> | |
| 38. | <p>Revision of IS 10312 : 1982 / ISO 3691 : 1980 (see Amd-1 : 1983) Safety code for Powered Tow Trucks</p> <p>Adoption of ISO 3691-6 (TED 22 19391) Industrial trucks — Safety requirements and verification — Part 6: Burden and personnel carriers</p> | <p>Status in 26th meeting: Panel meetings were held on 27/7/2023 and 18/8/2023 and Minutes of the meeting was circulated to the members. Error! Reference source not found.</p> <p>Decision in 26th meeting: Representative from M/s KION and M/s Jost's mentioned that ISO 3691 Part 6 covers the requirement for less than or equal to 5 tonnes capacity truck and Part 1 covers the requirement for remaining trucks (more than 5 tonnes). Committee deliberated and recommended to withdraw IS 10312: 1982, after adoption of ISO 3691-1(TED/22/20354) Committee further deliberated on Panel 1 recommendation regarding adoption of ISO 3691 Part 2,3,4 and 5. Committee decided to adopt ISO 3691 Part 3 and Part 4 identically with dual number system and requested BIS to process the National foreword into WC for 60 days. For ISO 3691 Part 2, committee requested BIS to take input from JCB also as M/s JCB manufactures Variable reach trucks. Further, it decided that based on input received from</p> | <p>Decision in 27th meeting:</p> <p>Committee deliberated on recommendation of panel and decided to adopt ISO 3691- Part-4 & 5 identically with dual number system and requested BIS to process the National foreword into WC for 60 days.</p> <p>It is also decided by the committee that all part of IS 3691 to be taken up in dual numbering system and requested BIS to process the National foreword into WC for 60 days.</p> |



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| | | <p>Panel 1 for ISO 20898, adoption of ISO 3691-Part 5 will be discussed in next committee meeting.</p> <p>Status in 27th meeting: Panel meeting was held on 7th March 2024. The decision taken during the meeting is as under (MOM is attached as <u>Annex-3</u>:</p> <p>Shri Vishal Rawal informed that Chairman TED 22 has already approved adoption of ISO 3691-6 (TED 22 19391) and on this agenda regarding adoption of ISO 3691- Part 5 is open for discussion. After deliberation members confirmed to adopt ISO 3691 Part 5 identically with dual number system and requested BIS to process the National foreword into WC for 60 days. Members also confirmed that adoption of ISO 3691 Part 5 shall be executed with adoption of ISO 3691 Part 1 to synchronize the design modifications.</p> | |
| 39. | IS 6765 (Part 1): 2003 Powered Industrial Truck - Parameters for Designation of Rated Capacity and Capacity - Part 1 : Powered High Lift Trucks | <p>Status in 26th meeting: Adoption of ISO 3691-1 is under process. Please refer Sr. No. 1 of ITEM 3. Committee may please note.</p> <p>Decision in 26th meeting: Committee noted the information given in the agenda.</p> <p>Status in 27th meeting: Panel meeting was held on 7th March 2024. The decision taken during the meeting is as under (MOM is attached as <u>Annex- 3</u>:</p> <p>Adoption of ISO 3691-1 is under process. Please refer Sr No 1 of ITEM 3.</p> <p>Committee may please note</p> | <p>Decision in 27th meeting: Committee deliberated on recommendation of panel and decided to adopt ISO 3691- Part 1 identically with dual number system and requested BIS to process the National foreword into WC for 60 days. It is also decided to withdraw IS 6765 (Part 1): 2003 after adoption of ISO 3691- Part 1</p> |

3.2 Following documents are under printing, committed noted the information given in agenda:

| Sl No | Indian Standard | Product Name | Document No |
|-------|-----------------------------|--|----------------|
| 1. | Amendment to IS 17434: 2020 | Approval of A Close-Coupling Device (CCD) and Vehicles with Regard to The Fitting of an Approved Type of CCD | TED 22 (19405) |
| 2. | IS 12726 : 2018 | Industrial trucks - Order - Picking trucks with operator position elevating above 1200 mm - Verification of stability | TED 22 (22755) |
| 3. | IS 15611 : Part 1 : 2018 | Industrial trucks - Single - Side - Loading trucks - Verification of stability | TED 22 (22753) |
| 4. | IS 7552 : 2018 | Industrial trucks - Verification of stability - Additional stability test for trucks operating in the special condition of stacking with mast tilted forward and load elevated | TED 22 (22754) |
| 5. | IS 7631: 2018 | Industrial trucks - Pallet stackers, double stackers and order - | TED 22 (22751) |



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| | | Picking trucks with operator position elevating up to and including 1200 mm lift height - Verification of stability | |
| 6. | IS 9075: 1979 | Stability tests for side loader trucks | TED 22 (19079) |
| 7. | IS 7570: 1975 | Glossary of terms relating to fork arms and attachments of fork lift trucks | TED 22 (19041) |
| 8. | IS 7862: 1975 | Glossary of terms relating to safety aspects concerning operating areas of industrial trucks | TED 22 (18937) |
| 9. | IS 8274: 1976 | Specification for drawbar eyes and fore carriage pins for connection between trailers of gross mass above 5 tonnes and upto 35 tonnes and transport tractor | TED 22 (19073) |
| 10. | IS 7496 : 1982 | Specification for electrical connector for tractor - Trailer jumper cable | TED 22 (19037) |
| 11. | IS 8903: 1978 | Specification for drawbars for trailers of up to 5 tonnes gross mass | TED 22 (19078) |
| 12. | IS 10792:1984 | Testing and Acceptance criteria of Pneumatic couplings between Tractors and Trailers | TED 22 (12921) |



ITEM 4 REVIEW OF PUBLISHED STANDARDS

4.1 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 **reaffirm**, **revise** or to **withdraw** the standards based on latest technology available on the subject at the time of review

4.2 List of Indian Standards which were allotted to committee members for review, with their status are as follows:

| IS No | Title | Allocated to | Remarks | Status |
|--------------------------|---|---|--|---|
| IS 10752 : 1983 | Dimensions and testing requirements of landing gear for mounting on semitrailers | SDR+ARAI | Committee requested SDR and ARAI to expedite the review Decision in panel meeting held on 15th March 2024 Shri Vishal Rawal, ARAI informed that as decided in panel meeting held on 20th February 2024, draft revision was circulated to panel members and no comments were received. Panel members confirmed to put up it to TED 22 for further process. | Committee decided to consider the recommendation of panel and process for revision. Committee further decided to process the documents in wide circulation of 60 days. If no comment received in circulation period, committee authorized member secretary to carry out editorial correction, if any. |
| IS 13284 : 1992 | Automotive vehicles - Drawbar couplings and eyes for hinged drawbars- Method of test for strength | Shri Prabhakaran, WABCO | Committee re- allocated the review of IS 13284:1992 to Sh B Ramesh (SDR Auto) | Sh B Ramesh (SDR Auto) requested for 4 weeks time to submit their recommendation. |
| IS 13544 : 1992 | Trailers - Mounting of ball bearing turn table - Dimensions | Review is allocated to BIS Officer (Shri S Dayanand) as ARP | Committee requested BIS to expedite the Review | Sh B Ramesh (SDR Auto) requested for 4 weeks' time to submit their recommendation. |
| IS 13971 (Part 1) : 1994 | Rough terrain fork lift trucks - Code of practice for safety: Part 1 application, operation and maintenance | Godrej+KION | Committee requested members to expedite the review | Chairman requested BIS to provide a copy of ISO 10896-1 & 2 to panel for further deliberation. |
| IS 13971 (Part 2) : 1994 | Rough terrain fork lift trucks - Code of practice for safety: Part 2 general requirements | Godrej+KION | Committee requested members to expedite the review | Chairman requested BIS to provide a copy of ISO 10896-1 & 2 to panel for further deliberation. |



4.3 List of Indian Standards which are due for review in 2023-24 are allocated to the panels to deliberate and submit their recommendation in next TED 22 SC committee meeting:

| IS No. | Title | Remarks |
|---------------------------------|---|---|
| IS 6876: 2019 | Fork - Lift trucks - Fork arms - Technical characteristics and testing (Second Revision) | Committee deliberated and it is discussed that this standard is available in MED 07 and TED 22. BIS to take decision in which committee it needs to be kept. ARAI informed that comparative study of IS 6876: 2019 with ISO 2320:2002 is done and IS 6876: 2019 is aligned with ISO 2320:2002. |
| IS 7553: 2003 ISO 3287: 1999 | Control symbols for powered industrial trucks - Specification First Revision | The review is allocated to Panel 1 to submit recommendation in next SC meeting. |
| IS 7774 (Part 2): 2003 | Glossary of terms relating to transport tractors and trailers Part 2 dimensions First Revision | The review is allocated to Panel 3 to submit recommendation in next SC meeting. |
| IS 9701: 2019 | Powered industrial trucks and tractors - Brake performance and component strength (Second Revision) | The review is allocated to Panel 1 to submit recommendation in next SC meeting. |
| IS 13302: 2018 ISO 8379:1998 | Industrial trucks - Verification of stability Part 1 rough – Terrain | The review is allocated to Panel 1 to submit recommendation in next SC meeting. |

Committee deliberated and allocated to the respective panels to review and submit their recommendations in next TED 22 SC meeting.

4.4 List of Indian Standards which are due for review in 2024-25 are allocated to the panels to deliberate and submit their recommendation in next TED 22 SC committee meeting:

| S. No. | IS No. | Title | Decision |
|--------|---|--|---|
| 1. | IS 12604 : 2004 Reviewed in : 2019 | Road vehicles - Drawbar couplings - Interchangeability (First Revision) | Panel-4 to review and submit the recommendation in next TED 22 SC meeting |
| 2. | IS 12605 : 2004 ISO 3853: 1994 Reviewed in : 2019 | Road vehicles - Towing vehicle coupling device to tow caravans or light trailers - Mechanical strength test (First Revision) | |
| 3. | IS 12606 : 1989 Reviewed in : 2019 | Transport tractors and trailers - Static load on ball couplings | |
| 4. | IS 15487 : 2004 Reviewed in : 2019 | Industrial trucks - Specification for indicator lights for container handling and grapple arm operations | Panel-1 to review and submit the recommendation in next TED 22 SC meeting |
| 5. | IS 15488 : 2004 Reviewed in : 2019 | Powered industrial trucks - Safety signs and hazard pictorials - General principles | |
| 6. | IS 15515 : 2004 Reviewed in : 2019 | Industrial variable - Reach trucks - Additional stability tests for trucks handling freight containers of length 6 m and above | |
| 7. | IS 15516 : 2004 Reviewed in : 2019 | Industrial variable - Reach trucks - Stability test | |
| 8. | IS 15611 (Part 2) : 2005 ISO 13563-2: | Single side loading fork - Lift trucks: Part 2 additional stability test for trucks handling freight container of 6 M length and above | |



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| | 2001 Reviewed in : 2019 | | |
| 9. | IS 15543 : 2005 Reviewed in : 2019 | Selection of prime movers for trailers – Guidelines | ARAI to review and also look for any ISO available. Submit the recommendation in next TED 22 SC meeting |
| 10. | IS 9895: 2004 Reviewed in : 2019 | Road vehicles - Connectors for the electrical connection of towing and towed vehicles - Definitions, tests and requirements (First Revision) | ARAI to review and submit the recommendation in next TED 22 SC meeting |

ITEM 5 INTERNATIONAL ACTIVITIES

5.1 The committee noted the information in Agenda.

5.2 The committee noted the information in Agenda.

5.3 ISO Standards

Committee noted the information given in the agenda. Further it deliberated and decided as follows:

5.3.1 Adoption of ISO standards

Committee decided to adopt following ISO standards in dual numbering system

1. ISO 23308-1:2020- Energy efficiency of industrial trucks — Test methods — Part 1: General
2. ISO 23308-2:2020- Energy efficiency of industrial trucks — Test methods — Part 2: Operator controlled self-propelled trucks, towing and burden carrier trucks
3. ISO 23308-3:2020- Energy efficiency of industrial trucks — Test methods — Part 3: Container handling lift trucks
4. ISO 23434-1:2021- Industrial trucks — Sustainability — Part 1: Vocabulary
5. ISO 23434-2:2021- Industrial trucks — Sustainability — Part 2: Factors and reporting

It requested BIS to circulate the National Foreword for above documents into WC of 30 days.

5.3.2 Membership of India in ISO TC 110 SC 4 & 5 subcommittees:

It is also decided by the committee that India shall be “P” member of the following committees being an important area as we had already adopted few ISO standards and some are under adoption.

ISO TC 110 SC 4- Rough-terrain trucks

ISO TC 110 SC 5 - Sustainability

It is informed by Member secretary that proposal for “O” membership is under consideration.

5.3.2 Participation in ISO TC 110 and related sub-committee meetings

Considering the relevance/significance of the subject, the matter was discussed and committee decided to participate in ISO meetings pertaining to ISO TC 110 by the following members. The deliberations/outcomes of the meeting to be apprised in the next TED 22 Sectional committee meeting:



1. Shri A. A. Badusha, Sr Joint Director (Chairperson TED 22 SC)
2. Shri Mitra Sen Verma, Sc-D/JD, BIS (Member Secretary TED 22)

One meeting of ISO TC 110 SC 4 is already scheduled in 22 November 2024 in Sydney (Australia). Committee authorize the above delegation to participate in the upcoming ISO TC 110 SC 4 meeting.

ITEM 6 ROAD MAP OF STANDARDIZATION WORK OF TED 22

Committee noted the information given in the agenda. Committee decided to concentrate on development of standards on Sustainability, safety requirements standards and revision of existing standards.

Also decided to examine the ISO standards under ISO TC 110 which may be relevant in the national context and propose for adoption.

ITEM 7 DATE FOR THE NEXT MEETING

Committee deliberated and decided to conduct Section committee meeting as per the following schedule for faster disposal of work and accelerate the process of standard formulation:

1. 28 TC Meeting (Physical)- July 2024
2. 28 TC Meeting (Hybrid)- December 2024

ITEM 8 ANY OTHER BUSINESS

There being no business, meeting ended with vote of thanks to all.