

# BUREAU OF INDIAN STANDARDS

## MINUTES

| Name of the Committee   | No. of Meeting   | Date and Time                          | Day     | Venue |
|---|------------------|--|---------|-------|
| Passive Safety Crash Protection Systems Sectional Committee, TED 29 | 13 <sup>th</sup> | 20 <sup>th</sup> Dec 2022<br>10: 30 AM | Tuesday | WEBEX |

**CHAIRMAN:** SHRI A. V. MANNIKAR

**MEMBER SECRETARY:** Mr. G Ajit Kumar

**HEAD (TED):** Mr. R.R. Singh

### MEMBERS PRESENT:

| Sl. No. | NAME OF MEMBER                  | NAME OF ORGANIZATION   |
|---------|---------------------------------|--|
| 1)      | Shri A V Mannikar<br>(Chairman) | Automotive Research Association Of India, Pune (ARAI)          |
| 2)      | Shri B S Yamgar                 | Automotive Research Association Of India, Pune (ARAI)          |
| 3)      | Shri Sachin Bongale             | Adient   |
| 4)      | Shri Uday Harite                | Automotive Component Manufacturers Association Of India (ACMA) |
| 5)      | Shri Sanjay Tank                | Automotive Component Manufacturers Association Of India (ACMA) |
| 6)      | Shri Faustino V                 | Ashok Leyland Limited, Chennai                                 |
| 7)      | Shri Boobalan N                 | Autoliv India Private Limited, Gurugram                        |
| 8)      | Shri Vijay Shetty               | Autoliv India Private Limited, Gurugram                        |
| 9)      | Shri Sivakumar S                | Autoliv India Private Limited, Gurugram                        |
| 10)     | Shri Abhay Kumar                | Bajaj Auto Limited, Pune                                       |
| 11)     | Shri S. R. Sonawane             | Central Institute of Road Transport, Pune                      |
| 12)     | Smt. Shubhangi                  | Central Institute of Road Transport, Pune                      |
| 13)     | Smt. Alka Sharma                | Denso International India Private Limited, Gurugram            |
| 14)     | Shri Alok Kumar                 | Denso International India Private Limited, Gurugram            |
| 15)     | Shri S Muthu Kumar              | Honda Cars India Research and Development Limited,             |
| 16)     | Shri Devinder Tangri            | Mahindra and Mahindra Limited, Mumbai                          |
| 17)     | Shri Praveen Bansode            | Mahindra and Mahindra Limited, Mumbai                          |
| 18)     | Smt. Pathak Pushpanajali        | Mahindra and Mahindra Limited, Mumbai                          |
| 19)     | Shri Amit Patil                 | Mahindra Trucks and Bus Division, Pune                         |
| 20)     | Shri Sthitapragyan Behera       | Maruti Suzuki India Limited, Gurugram                          |
| 21)     | Shri Gururaj Ravi               | Maruti Suzuki India Limited, Gurugram                          |
| 22)     | Shri Arun Kumar                 | Maruti Suzuki India Limited, Gurugram                          |
| 23)     | Shri Sumit Kumar                | Maruti Suzuki India Limited, Gurugram                          |
| 24)     | Shri Vivekraj S                 | Renault India Private Limited, Mumbai                          |
| 25)     | Shri Deepak M K                 | Toyota Boshoku Automotive India Private Limited                |
| 26)     | Shri Pavan V                    | Toyota Kirloskar Motor Private Limited, Bidadi                 |
| 27)     | Shri Siva Kumar                 | Toyoda Gosei South India Private Limited (TGSIN)               |

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| 28) | Shri Atul Date         | Tata Motors Limited, Pune             |
| 29) | Shri Sudarshan B V     | Tata Motors Limited, Pune             |
| 30) | Shri Vinay Maurya      | Tata Motors Limited, Pune             |
| 31) | Shri Pramodkumar Hugar | Ve Commercial Vehicles Limited, Dewas |

## ITEM 0 WELCOME ADDRESS

### 0.1 Opening Remarks by the Chairman

Shri A.V. Mannikar, Chairman of TED-29 warmly welcomed all the members and invitees present for the 13<sup>th</sup> Sectional Committee meeting of TED 29.

He appreciated the contribution made by the members towards the committee work. He apprised the committee that standards dealt with by this Committee are related to the Passive Safety of the Automobiles are of immense importance as far as the overall safety of automotive vehicles are concerned and also advised the committee to harmonize the standards with GTR and UNECE which provides opportunities for Indian industries to be globally competitive and have market access

He requested all the members to complete the work allotted to them within stipulated time frame so that the work of TED 29 is complete as per the plans made from time to time.

He requested all the members to take active part in the deliberations on various issues going to be discussed as per the Agenda.

## ITEM 1 CONFIRMATION OF THE MINUTES OF LAST MEETING

The Minutes of the Tenth (12<sup>th</sup>) meeting of Passive Safety Crash Protection Systems Sectional Committee TED 29 held through WebEx, on 24<sup>th</sup> August 2022 were circulated to the committee members. One comment was received from MSIL.

| Existing Text   | Proposed Text   |
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| The panel convenor updated the current status of revision of IS 15546 to the committee and also undertaken guidance from TED 29 Chairman and committee requested panel convenor to organize one more panel meeting at the earliest and sent the finalized draft to BIS sect for further processing it to WC for 30 days | The panel convenor updated the current status of revision of IS 15546 to the committee and also undertaken guidance from TED 29 Chairman on UN R17-S10 perspective. Chairman remarked that UN R17-S10 can be considered however panel shall strive for minimum deviation from GTR 7 requirements. TED 29 requested panel convenor to organize one more panel meeting factoring TED 29 guidance and deliberate the comments shared by panel members. Status to be shared in next TED 29 meeting. |

The committee deliberated on the comment and decided to accept this comment as it provides additional clarity to the existing text.

## ITEM 2 COMPOSITION OF THE SECTIONAL COMMITTEE

- 2.1 The Committee noted the information as given in the agenda.
- 2.2 The Committee noted the information as given in the agenda.
- 2.3 The Committee noted the composition as given in the agenda.
- 2.4 The Committee noted the information as given in the agenda.
- 2.5 The Committee noted the information as given in the agenda

### ITEM 3 ISSUES ARISING OUT OF THE MINUTES OF THE LAST MEETING

A summary of actions taken on the Minutes of previous meetings of TED 29 along-with decisions taken by the Committee in the last Meeting is given below:

| S<br>N<br>o | ITEM   | Decision in previous meetings   | Decision in the last meeting   | Decision in 34 <sup>th</sup> Meeting        |
|-------------|--|---|--|---|
| 1.          | <p><b>Adoption of following standards:</b></p> <p><b>ISO 12097 - 1 : 2002 Road Vehicles – Airbag components – Part 1 : Vocabulary</b></p> <p><b>ISO 12097 -2 : 2002 Road Vehicles – Airbag component s – Part 2 : Testing of airbag modules</b></p> <p><b>ISO 12097 -3 : 2002 Road Vehicles – Airbag component s – Part 3 : Testing of inflator assemblies</b></p> | <p>The Committee deliberated on the issue of taking up ISO 12097 -1 : 2002 Road Vehicles – Airbag components – Part 1 : Vocabulary , ISO 12097 -2 : 2002 Road Vehicles – Airbag components – Part 2 : Testing of airbag modules and ISO 12097 -3 : 2002 Road Vehicles – Airbag components – Part 3 : Testing of inflator assemblies for taking up for harmonization as Indian Standards under dual numbering system. The Committed decided to refer these ISO Standards to Crash Panel of AISC. Based on the recommendation of Crash Panel of AISC, these standards may be taken up for adoption as national standards.</p> <p>The Committee constituted a Panel under Convenorship of Shri LRadhakrishnan of Rane TRW Steering Systems Ltd to consider adoption of these ISO standards as Indian Standards. The other members of this Panel would be from ARAI, ICAT, GARC, ACMA, SIAM, and Autoliv.</p> <p>The Chairman discussed with Rane TRW Steering Systems Ltd. and requested Shri Radhakrishnan, Rane TRW to study the ISO standards &amp; forward comments to BIS within 60 days time. Member Secretary was requested to circulate ISO standards to Chairman, TED-29, ACMA &amp; ICAT.</p> <p>ISO standards were forwarded to ACMA, ICAT &amp; Chairman</p> | <p>The committee decided to send document TED 29 (17481) {Adoption of ISO 12097 -1: 2002 Road Vehicles – Airbag components – Part 1: Vocabulary} for printing.</p> <p>The committee also decided to give 1 Month Additional time to Air bag manufacturers to study the documents ISO 12097 -2: 2002 &amp; ISO 12097 -3: 2002.</p> <p>If No comments are received in 1 month time from the date of meeting, the documents can be sent for printing.</p> <p>If comments are received, the same can be discussed in the next SC Meeting to finalize the documents.</p> <p><b>Status in 11<sup>th</sup> meeting:</b></p> <p>No comments have been received on documents TED 29 (17484) &amp; TED 29 (17485) and hence all the three parts of ISO 12097 have been sent for HoD Approval for Printing as decided in the last meeting.</p> <p><b>Decision in 11<sup>th</sup> meeting:</b></p> <p>The committee noted the information given in the agenda. It was also decided that if any further comments to the standards</p> | <p>The committee noted the information.</p> |

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|    |   | <p>vide email dt 29 June 2020.</p> <p>The committee decided to send these ISO documents directly for WC for adoption. Apart from this the committee also decided to continue the work on prospective amendments, so that these standards can be brought in line with the indigenous industry requirements, once they are adopted.</p> <p>ISO 12097-1 , 2 , 3 has been sent to wide Circulation as doc. <b>TED 29 (17481),TED29 (17484) &amp; TED 29 (17485).</b></p> <p>The committee noted the status. The Committee also requested M/S Autoliv and TRW to work together on the draft Amendments to these ISO standards to bring them in line with indigenous industry requirements.</p> <p>Documents TED 29 (17481), TED 29 (17484) &amp; TED 29 (17485) have completed their WC Period. No Comments have been received on the technical content of the documents. Hence the Committee may decide to send these documents for printing.</p> | <p>(after publication) are received based on indigenous requirements, the committee will analyze the comments and take decisions accordingly</p> <p><b>Decision in 12<sup>th</sup> meeting</b><br/>These 3 documents have been sent for publication department for printing</p> <p>The committee noted the information.</p> <p><b>Status in 13<sup>th</sup> meeting:</b><br/>ISO 12097 -2 : 2002 was published.<br/>ISO 12097 -3 : 2002 was published.<br/>ISO 12097 - 1 : 2002 was under publication.</p> |  |
| 2. | <p><b>TED 29 (18041): Amendment 1 to IS 14225:2017</b><br/>Automotive vehicles - Locking systems and door retention components - General requirements (First Revision)</p> <p><b>TED 29(19145): Amendment 2 to IS</b></p> | <p>The Committee discussed clause 12.3 of the Minutes of 6<sup>th</sup> Meeting of TED-29 for issuing Amendment to IS 14225: 2017 so as to bring it in line with AIS 145. The Committee felt that such changes are required only in the regulation as the standards are generic in nature. However, the Committee asked ARAI to take a legal opinion</p>  | <p>The committee noted the status of document TED 29 (18041).</p> <p>It was also decided by the committee to send the document Proposed by Mr. Vishal Rawal (via email dt. 25.08.2021) , for Wide circulation.</p> <p><b>Status in 11<sup>th</sup> meeting:</b><br/>The document has been</p>  | <p>The committee noted the status for <b>Doc TED 29 (18041)</b></p> <p><b>Doc TED 29 (19145)</b></p> <p>The committee deliberated on the comment received from Ashok</p> |

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| <p><b>14225:2017</b><br/>Automotive vehicles - Locking systems and door retention components - General requirements (First Revision)</p> | <p>and get back in the next meeting.</p> <p>The committee decided that the earlier proposed amendment to IS 14225 : 2017 shall be dropped and a new proposal for amendment will be drafted by Mr. Rajendra Khile, RNTBCI &amp; Mr. B.S. Yamgar in consultation with other committee members and the same will be shared to BIS by him.</p> <p>The draft Amendment to IS 14225 : 2017 and the Review document in the prescribed pro forma for the same standard has been received from Mr. Rajendra Khile via email dt. 22/04/2021.</p> <p>A mail has also been received from Mr. Vishal Rawal dt 09/06/2021 with comments on IS 14225 as suggested by Ms. Sonali A. Tambolkar, ARAI.</p> <p>The committee decided to send the draft Amendment prepared by Mr. Rajendra Khile directly to WC. The committee also formulated a small group having representatives from BIS, ARAI, TATA Motors and RNTBCI with Mr. Rajendra Khile as its convener to discuss the way forward on the scope of the document.</p> <p>The draft amendment has been sent for WC as document TED 29 (18041) W.</p> <p>A Panel Meeting was organized by Mr. Rajendra Khile on 23<sup>rd</sup> June 2021</p> <p>Mr. Vishal Rawal informed BIS via email dt. 25.08.2021 that a draft Amendment as per</p> | <p>sent for Wide circulation after incorporating the editorial changes. The committee may please note.</p> <p><b>Decision in 11<sup>th</sup> meeting</b></p> <p>The committee noted</p> <p><b>Decision in 12<sup>th</sup> meeting</b></p> <p><b>Doc TED 29 (18041)</b></p> <p>The document has completed its wide circulation duration and no comments were received. The committee approved for processing the document for publication.</p> <p><b>Doc TED 29 (19145)</b></p> <p>The document to be sent for wide circulation for 60 days. Upon non receipt of comments may be processed for publication.</p> <p><b>Status in 13<sup>th</sup> meeting:</b></p> <p><b>Doc TED 29 (18041)</b></p> <p>The document was sent for publication department for printing.</p> <p><b>Doc TED 29 (19145)</b></p> <p>One comment was received from Ashok Leyland Limited. (<i>see Annex 2</i>)</p> | <p>Leyland and decided to incorporate the comment.</p> <p>The committee also requested Shri Sanjay Tank to go through the standard for any further editorial changes and send the draft to BIS Secretariat within 30 days which can be processed for publication department for printing.</p> |
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|    |  | <p>the recommendations of the panel has been prepared by Him.</p> <p>The committee may deliberate and decide.</p>  |  |   |
| 3. | <p><b>TED 29(15842)</b></p> <p><b>Amendment no. 1 to IS 16694: 2018 Automotive Vehicles- Safety Belts, Restraint Systems and Safety Belt Reminder Installation Requirements.</b></p> | <p>The Committee also discussed draft Amendment no. 1 to IS 16694: 2018 received from ARAI vide email dt 26.9.2019.</p> <p>The Committee decided to align it with AIS 145 and asked Member Secretary to circulate to members for 30 days. In case, no comments are received, then send it for wide circulation.</p> <p>P draft sent on 18.6.2020. No comments received. The committee noted the status and asked the member secretary to send the document for WC.</p> <p>The document has been sent to WC on 24/05/2021.</p> <p>The committee Noted.</p> <p>No comments have been received on the WC Document.</p> <p>The committee may deliberate &amp; decide to send this document for printing.</p> | <p><b>Status in 11<sup>th</sup> meeting:</b><br/>The document has been sent for HoD approval for printing. The committee may please note.</p> <p><b>Decision in 11<sup>th</sup> meeting</b><br/><br/>The committee noted</p> <p><b>Decision in 12<sup>th</sup> Meeting</b><br/>The document TED 29(15842) has been sent to publication department for printing.</p> <p><b>Status in 13<sup>th</sup> meeting:</b><br/>The Amendment 1 to IS 16694: 2018 was published.</p> <p>The Chairman mentioned that Amendment # 6 AIS 145 is under deliberation for Rear SBR, once this get published same may be considered for adoption as an amendment to IS 16694 also.</p> | <p>The committee noted the information.</p> |
| 4. | <p><b>Doc. TED29 (14091)</b></p> <p><b>:APPROVAL OF RESTRAINING DEVICES FOR CHILD OCCUPANTS OF POWER DRIVEN VEHICLES (CHILD RESTRAINT SYSTEM)</b></p>                                | <p>The document has completed its WC stage dt. 10/07/2019. Since the document is pending for so long, it is proposed to send the document for WC Again to cover any recent developments occurred in the meantime.</p> <p>The committee decided form a sub panel consisting of Mr. Gururaj Ravi, Mr. Vishal Rawal and Mr. B.S. Yamgar to work on the document and include Amendment No. 3 to AIS-072 in the existing document. The committee requested Mr. Gururaj Ravi to send the final document to BIS in 2Months'</p>   | <p><b>Status in 11<sup>th</sup> meeting:</b><br/><br/>The draft has been sent for wide circulation for 60 days. The committee may please note</p> <p><b>Decision in 11<sup>th</sup> meeting</b><br/>The committee noted</p> <p><b>Decision in 12<sup>th</sup> meeting</b><br/><br/>Comments on draft Doc. TED29 (14091) were received from MSIL (see Annex 5) and TKM (see Annex 4)</p> <p>The committee authorized</p>  | <p>The committee noted the information.</p> |

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|    |   | <p>time.</p> <p>Updated Document TED 29 (14091) has been submitted by Mr. Vishal Rawal Via Email dt.10.08.2021 and the same is attached with the email containing this agenda.</p> <p>The committee may deliberate and decide to send the Document for WC.</p>   | <p>member secretary to carry out all editorial corrections as per comments received and process the document for publication.</p> <p><b>Status in 13<sup>th</sup> meeting:</b><br/>The document was sent for publication department for printing.</p>  |   |
| 5. | <p><b>TED 29 (19013) :</b><br/>Technical Systems And Aids For Disabled Or Handicapped Persons Wheelchair Tiedown And Occupant-Restraint Systems Part 1: Requirements And Test Methods For All Systems</p> <p><b>TED 29 (19010) :</b><br/>Vehicle Security Barriers Part 1 : Performance Requirement Vehicle Impact Test Method And Performance Rating</p> | <p>Mr. Vishal Rawal proposed to Adopt following International Standards :</p> <ol style="list-style-type: none"> <li>1. ISO 10542-1 : 2012 : Technical systems and aids for disabled or handicapped persons - Wheelchair tie-down and occupant-restraint systems -Part 1: Requirements and test methods for all systems.</li> <li>2. ISO/IWA 14-1:2013 : Crashtest and evaluation of perimeter security devices viz., Bollards, barrier, road blockers</li> </ol> <p>The committee decided to send these documents to WC. The documents have been sought from BIS Library and will be sent for WC in due course. The Committee may note.</p> | <p><b>Status in 11<sup>th</sup> meeting:</b><br/>The documents have been sent for HoD approval for wide circulation.</p> <p>The committee may please note.</p> <p><b>Decision in 11<sup>th</sup> meeting</b><br/>The committee noted the status</p> <p><b>Status in 12<sup>th</sup> meeting:</b><br/>The documents TED 29 (19010) and TED 29 (19013) has been sent for wide circulation.</p> <p>No Comments has been received for doc TED 29 (19010). The committee may please approve for processing the document for publication.</p> <p>One Comments had been received from MSIL to hold the publication of TED 29 (19013) as now stating the justifications which is enclosed in <b>Annex 3</b></p> <p><b>Decision in 12<sup>th</sup> meeting</b><br/>The committee approved the Doc TED 29 (19010) for processing for publication.</p> <p>The committee after having rigorous deliberations finally decided to hold the</p> | <p>The committee noted the information for <b>Doc TED 29 (19010)</b>.</p> <p>For the Doc <b>TED 29 (19013)</b> the committee deliberated and decided to keep the stance same which is to hold the document till further instructions from TED 29 Sectional committee.</p> |

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|    |   |   | <p>further processing of Doc TED 29(19013) till further instructions from TED 29 Sectional Committee.</p> <p><b>Status in 13<sup>th</sup> meeting:</b></p> <p><b>Doc TED 29 (19010)</b> was under gazette stage.</p> <p><b>Doc TED 29 (19013)</b> was kept under hold till further instructions from TED 29 Sectional committee.</p>  |  |
| 6. | <p><b>Proposal to Revise IS 15546</b></p> | <p>One Proposal was coined by Mr. Gururaj Ravi in the meeting to Revise the document IS 15546 “Automotive vehicles - Seats, their anchorages and head restraints or category M1-Specification”.</p> <p>It was decided that Mr. Gururaj Ravi will Circulate the working draft to the members that he has prepared for revision of IS 15546. He was also assigned the responsibility to conduct a panel meeting consisting of members from SIAM, ACMA &amp; Test Agencies to discuss the issue of revision of IS 15546 &amp; its alignment with GTR 7 Phase 2.</p> <p>The committee will deliberate the recommendations of the panel in its next Meeting.</p> | <p><b>Status in 11<sup>th</sup> meeting:</b><br/>As per the mail received from Mr. Arun K., MSIL, The draft to revise IS 15546 has been circulated to panel members including the nominations of seat manufacturers received from ACMA side.</p> <p>As per the telephonic conversation with Panel Convener shri Gururaj Ravi, The further proceedings on the draft will be reported during the 11<sup>th</sup> Meeting of SC TED 29.</p> <p><b>Decision in 11<sup>th</sup> meeting</b><br/>Mr. Gururaj Ravi informed the committee that first draft was prepared and circulated among committee members</p> <p>The committee also requested the panel convener to arrange a panel meeting to discuss the comments received on the draft and update the draft accordingly within 2 months’ time.</p> <p><b>Status in 12<sup>th</sup> Meeting:</b><br/>Panel meeting was conducted on 27<sup>th</sup> April 2022. Draft standard (Enclosed in Annex 10) was circulated among committee members for receipt of</p> | <p>The Panel Convenor Shri Gururaj Ravi had briefed the committee about the changes incorporated in the revised draft.</p> <p>The panel informed the committee that for inclusion of luggage retention and whiplash requirement a detailed study and analysis need to be carried out for that sufficient time is required and the panel also informed the committee that they will update the status of developments in next subsequent sectional committee meetings.</p> <p>The Chairman advised the panel to include the requirements of Luggage retention as amendment 1 to existing IS-15546 standard. Whereas whiplash related requirements are</p> |

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|    |  |   | <p>inputs from committee members</p> <p>Comments on draft standard received from TML and TKM are enclosed in <b>Annex 11 and Annex 12.</b></p> <p>The Panel convenor informed BIS Secretariat that he will update the current status of revision of IS 15546 in 12<sup>th</sup> SC meeting and also seek guidance from TED 29 chairman for further proceeding.</p> <p><b>Decision in 12<sup>th</sup> Meeting:</b><br/>The panel convenor updated the current status of revision of IS 15546 to the committee and also undertaken guidance from TED 29 Chairman and committee requested panel convenor to organize one more panel meeting at the earliest and sent the finalized draft to BIS sect for further processing it to WC for 30 days</p> <p><b>Status in 13<sup>th</sup> meeting:</b></p> <p>2<sup>nd</sup> Panel meeting to revise IS 15546 held on 20 October 2022 under the convenorship of Shri Gururaj Ravi.</p> <p>The summary of panel meeting was enclosed in <b>Annex 9.</b></p> <p>The finalized draft is enclosed in <b>Annex 10</b></p> | <p>getting evolved we can study them segregate and propose amendment at appropriate time.</p>  |
| 7. | <p><b>Proposal for Amendment 2 to IS 15901 : 2010 Automotive Vehicles – Bumper fitment on M1 Category of vehicles – Test methods</b></p> | <p>Proposal for draft Amendment 2 to IS 15901 : 2010 was received from TKML, ICAT and ARAI are enclosed in Annex 6, Annex 7 and Annex 8 respectively.</p> <p><b>Decision in 12<sup>th</sup> Meeting:</b></p> <p>The committee decided to give 1 month duration for committee members for sharing their inputs and based on that draft will processed for wide circulation for 30 days and if no comments were received on WC it will be processed for publication</p> |  | <p>The committee deliberated on the comments received and decided to incorporate the comment received from MSIL in the Amendment.</p> <p>The committee</p> |

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|    |   | <p><b>Status in 13<sup>th</sup> meeting:</b></p> <p>Comments were received from MSIL &amp; RNTBCI (See Annex 17 and Annex 18)</p>   | <p>also deliberated on the comment received from RNTBCI and decided to form a panel under the convenorship of Shri Yamgar, ARAI to work on tolerance provision for Offset frontal crash by carrying Physical analysis or Computer Simulation analysis and put forth the panel recommendation in the next Sectional Committee meeting.</p>  |
| 8. | <p><b>Amendment no.2 to IS 15140:2018 Automotive Vehicles –safety Belt and Restraint Systems – Specification (First Revision)</b></p> | <p>After having deliberations, the committee decided to send Amendment for wide circulations after modifying it as per deliberations held on 11<sup>TH</sup> SC meeting of TED 29</p> <p>The committee further requested Mr. Boobalan to send the Corrected draft to BIS for Wide Circulation.</p> <p><b>Status in 12<sup>th</sup> Meeting:</b></p> <p>The draft amendment has been received from Mr Boobalan and was sent for HOD approval for wide circulation (See Annex 16)</p> <p><b>Decision in 12<sup>th</sup> Meeting:</b></p> <p>Members are requested to share their inputs on the draft which is under wide circulation.</p> <p>The committee also requested Autoliv to prepare a detailed presentation elaborating the changes incorporated in draft Amendment along with justifications and circulate it among the committee members so that decision on further proceeding on the draft will be taken on next SC Meeting of TED 29</p> <p><b>Status in 13<sup>th</sup> meeting:</b></p> <p>One comment on draft Amendment no.2 to IS 15140:2018 was received from ARAI (see Annex 19)</p> | <p>Shri Boobalan from Autoliv prepared a detailed presentation elaborating the changes incorporated in draft Amendment along with justifications and briefed it to committee which was well appreciated by all the committee members. The committee also decided to incorporate ARAI comment and process the document for publication.</p> |

#### ITEM 4 REVIEW OF INDIAN STANDARDS

| IS Number          | Title  | Decision in last Meeting   | Decision in 13 <sup>th</sup> SC Meeting |
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| IS 15140 :<br>2018 | Automotive vehicles - Safety belt and restraint systems - Specification (First Revision)                 | <p>The committee decided to reaffirm the standard as of now and simultaneously work on revision of standard in view the technological advancements</p> <p><b>Status in 13<sup>th</sup> SC Meeting</b><br/>The standard has been reaffirmed</p>   | The committee noted the information.    |
| IS 13391 :<br>2007 | Road vehicles - Collision classification - Terminology (First Revision)                                  | <p>The committee decided to reaffirm the standard as of now and simultaneously work on revision of standard in view the technological advancements.</p> <p><b>Status in 13<sup>th</sup> SC Meeting</b><br/>The standard has been reaffirmed</p>  | The committee noted the information.    |
| IS 15139 :<br>2002 | Automotive vehicles - Safety belt anchorages - Specification   | <p>The committee decided to reaffirm the standard as of now and simultaneously work on revision of standard in view the technological advancements</p> <p><b>Status in 13<sup>th</sup> SC Meeting</b><br/>The standard has been reaffirmed</p>   | The committee noted the information..   |
| IS 16694 :<br>2018 | Automotive Vehicles- Safety Belts, Restraint Systems and Safety Belt Reminder- Installation Requirements | <p>The committee decided to reaffirm the standard as of now and simultaneously work on revision of standard in view the technological advancements</p> <p><b>Status in 13<sup>th</sup> SC Meeting</b><br/>The standard has been reaffirmed</p>   | The committee noted the information.    |
| IS 13389 :<br>1992 | Road vehicles - Passenger cars - Moving barrier rear collision test method                               | <p>The committee decided to reaffirm the standard as of now.</p> <p>The committee also decided that as AIS 101 is under revision, once this Revision 1 of AIS is published by AISC, The same will be adopted by BIS and it will superseded the IS 13389: 1992.</p> <p><b>Status in 13<sup>th</sup> SC Meeting</b><br/>The standard has been reaffirmed</p> | The committee noted the information.    |
| IS 13390 :<br>1992 | Road vehicles - Frontal fixed barrier collision test method  | <p>The committee decided to reaffirm the standard as of now.</p> <p>The committee also decided that as AIS 096 is under revision, once this Revision of AIS is published by AISC, The same</p>   | The committee noted the information.    |

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|                |   | <p>will be adopted by BIS and it will superseded the IS 13390: 1992.</p> <p><b>Status in 13<sup>th</sup> SC Meeting</b><br/>The standard has been reaffirmed</p>   |   |
| IS 11939: 1996 | Automotive vehicles - Steering control systems - Impact protection requirements and methods of measurement (First Revision) | <p>The committee decided to form a panel under the convenorship of Shri B S Yamgar to finalize the draft with in duration of 2 months and sent it to BIS secretariat for processing the document for wide circulation.</p> <p><b>Status in 13<sup>th</sup> SC Meeting</b><br/>The panel convenor sent the draft standard to BIS secretariat on 15/12/22 and it was circulated among the committee members and one comment was received from BAL on 19/12/22.</p> | <p>Representative from BAL and TML had briefed their comments to the committee on draft revision to IS 11939. The committee requested the Panel under convenorship of Shri Yamgar to deliberate on the comments received and modify the draft accordingly and sent it to BIS secretariat at the earliest.</p> |

## ITEM 5 INTERNATIONAL ACTIVITIES

The Committee noted the information given in the agenda and requested the members to give appropriate comments on ISO ballots in time so that the same could be sent to ISO Secretariat.

## ITEM 6 HARMONIZATION OF INDIAN STANDARDS

The Committee noted the information given in the Agenda and suggested that Indian delegation would be sent to attend the ISO Technical Committee meetings in future as and when required

## ITEM 7 DATE AND PLACE FOR THE NEXT MEETING

The committee decided that the date and time of the next meeting of TED 29 may be finalized in consultation with the chairman.

## ITEM 8 ANY OTHER BUSINES

Shri Uday Harite had informed the committee that he will get superannuated from ACMA in next meeting and from now onwards Shri Sanjay Tank will be representing the ACMA, All the committee members have appreciated the exceptional contribution delivered by Shri Uday Harite in standard formulation activities and expressed their best wishes to post retirement life of Shri Uday Harite.