



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	15 th	14/12/2023 & 10:30 AM	Thursday	HYBRID Meeting CIRT, Pune

CHAIRMAN: SHRI A. V. MANNIKAR

MEMBER SECRETARY: Mr. G Ajit Kumar

HEAD (TED): Mr. P V Srikanth

MEMBERS PRESENT

Sl No.	Display Name	Organization	Attendee Email
1.	Shri A V Mannikar	Central Institute of Road Transport, Pune	abhaymannikar@cirtindia.com
2.	Shri Abhay Kumar	Bajaj Auto Limited, Pune	akumar15@bajajauto.co.in
3.	Shri Adish Aggarwal	Bajaj Auto Limited, Pune	aggarwala@bajajauto.co.in
4.	Ms. Alka Sharma	Denso International India Private Limited, Gurugram	alka.sharma.a4n@ap.denso.com
5.	Shri Ananthakrishna S L	Hyundai Motor India Engineering Private Limited, Hyderabad	ananth@hmie.co.in
6.	Shri Arvind Kumbhar	Bajaj Auto Limited, Pune Industry	avkumbhar@bajajauto.co.in
7.	Shri Atul Date	Tata Motors Limited, Pune	atul.date@tatomotors.com
8.	Shri Boobalan N	Autoliv India Private Limited, Gurugram	boobalan.natarajan@autoliv.com
9.	Shri Dinesh G M	Toyota Kirloskar Motor Private Limited, Bidadi	dinesh_gm@toyota-kirloskar.co.in
10.	Shri Faustino	Ashok Leyland Limited, Chennai	faustino.v@ashokleyland.com
11.	Shri Gagan	Honda Cars India Research and Development Limited, Noida	gagan_manral@hondacarindia.com
12.	Shri Gowrishankar	Tata Motors Limited, Pune	p.gowrishankar@tatomotors.com
13.	Shri Gururaj Ravi	Maruti Suzuki India Limited, Gurugram	gururaj.ravi@maruti.co.in
14.	Shri Sitikantha Padhy	International Centre of Automotive Technology, Manesar	sitikantha.padhy@icat.in
15.	Shri Ashish Kumar	International Centre of Automotive Technology, Manesar	ashish@icat.in
16.	Shri Mangesh Pathak	Central Institute of Road Transport, Pune	mpathak@cirtindia.com
17.	Shri Murtuza Painter	JP Research India Pvt Ltd, Pune	murtuza@jpri.in
18.	Shri Muthu Kumar	Honda Cars India Research and Development Limited, Noida	muthu_kumar@hondacarindia.com

19.	Shri Nachiket Kulkarni	Automotive Research Association of India, Pune	nakulkarni.eds@araiindia.com
20.	Ms. Namrata Deb	Tata Motors Limited, Pune	namrata.deb@tatamotors.com
21.	Ms. Neha	Honda Cars India Research and Development Limited, Noida	ngaba@hondacarindia.com
22.	Shri R.R.K. Kishore	Association of State Road Transport Undertakings, New Delhi	dt.asrtu@gmail.com
23.	Shri Rahul Mahajan	Automotive Research Association of India, Pune	mahajan.eds@araiindia.com
24.	Ms. Sonali Chaprana	Honda Cars India Research and Development Limited, Noida	sonali@hondacarindia.com
25.	Shri Sabarinath	ZF Rane Automotive India Private Limited	b.sabarinath@ranegroup.com
26.	Shri Sanjay Tank	Automotive Component Manufactures Association of India, New Delhi	sanjay.tank@acma.in
27.	Shri Santosh Chopade	Automotive Research Association of India, Pune	chopade.eds@araiindia.com
28.	Shri Saravana	ZF Rane Automotive India Private Limited	s.saravana@ranegroup.com
29.	Shri Saurabh Deshpande	Automotive Component Manufactures Association of India, New Delhi	deshpande.eds@araiindia.com
30.	Shri Sivakumar S	Autoliv India Private Limited, Gurugram	siva.sudhachandran@autoliv.com
31.	Shri Sudarshan B V	Tata Motors Limited, Pune	b.sudarshan@tatamotors.com
32.	Shri Sumit Kumar	Maruti Suzuki India Limited, Gurugram	sumitkumar@maruti.co.in
33.	Shri Vishal Rawal	Automotive Research Association of India, Pune	rawal.apx@araiindia.com
34.	Shri Vivekraj S	Renault India Private Limited, Mumbai	vivekraj.selvarathinam@rntbci.com
35.	Director Cirt	Central Institute of Road Transport, Pune	ed.asrtu@gmail.com
36.	Shri Satyanarayana Gupta	Hyundai Motor India Engineering Private Limited, Hyderabad	satyanarayanagupta.b@hmie.co.in
37.	Shri Shailesh Kulkarni	Mahindra and Mahindra Limited, Mumbai	212355@mahindra.com
38.	Ms. Pathak Pushpanajali	Mahindra and Mahindra Limited, Mumbai	23188754@mahindra.com
39.	Shri Amit Patil	Mahindra Trucks and Bus Division, Pune	patil.amit20@mahindra.com
40.	Shri Vinay Maurya	Tata Motors Limited, Pune	vinay.maurya@tatamotors.com
41.	Shri Arun Kumar	Maruti Suzuki India Limited, Gurugram	arun.k@maruti.co.in
42.	Shri C. V. Girish Chandh	Renault India Private Limited, Mumbai	Chakirala.venkata-girish-chandh@rntbci.com
43.	Shri Rohan Govardhan	JP Research India Pvt Ltd, Pune	rohan@jpri.in
44.	Shri Deepak M K	Toyota Boshoku Automotive India Private Limited, Gurugram	deepak.mk@toyota-boshoku.com
45.	Shri Sajal Praveen	Automotive Research Association of India, Pune	sajal.psl@araiindia.com
46.	Shri Rahul Mahajan	Automotive Research Association of India, Pune	Mahajan.eds@araiindia.com
47.	Shri M M Pathak	Central Institute of Road Transport, Pune	mpathak@cirtindia.com
48.	Shri F. S. Makhdoom	Central Institute of Road Transport, Pune	headedz@cirtindia.com

ITEM 0.1 WELCOME ADDRESS

Member Secretary welcomed all the members who has attended physically and virtually for the 15th Sectional Committee Meeting and also appreciated the contribution in the standardization activities of TED 29. He also explained about guidelines received from BIS Management like organizing frequent meetings, incorporation of Academia and Additional domain experts in standard formulation activities and also emphasized the importance of undertaking R&D projects for formulation of new standards or revision of existing standards.

Shri A. V Mannikar, Chairman, welcomed all the members for the 15th Sectional committee Meeting of TED 29. He greatly appreciated the contribution made by the members towards the committee work. He appraised the members that standards dealt with by this Committee are of immense importance. He requested all the members to take active part in the deliberations on various issues which were discussed as per the agenda. He also 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 time lines set for those activities.

ITEM 0.2 PROCESS REFORMS IN BIS STANDARDIZATION ACTIVITES

The Member Secretary gave a presentation on the process reforms in BIS's standardization activities which include the following:

Presentation on process reforms in BIS's standardization activities incorporating following:

Insights into Initiatives for Standardization

- Overview of BIS's initiatives for identifying new areas for standardization.
- Introduction of the Standard National Action Plan 2022-2027.
- Collaboration with central ministries, departments, and state governments for input on potential areas.

Establishment of Standardization Cells and Collaboration

- Vision of establishing standardization cells in industry associations.
- Interaction with academia and subscription to relevant publications.

Leveraging Initiatives for Comprehensive Information

- Gathering comprehensive information from various sources for identifying new areas.

Effective Stakeholder Management

- Emphasis on stakeholder engagement, collaboration, and harmonious development of standards.

Effective Committee Management Strategy

- Importance of diverse committee composition and regular attendance for efficient decision-making.
- Adoption of Action Research Project approach for reviewing Pre-2000 standards.

Standards Promotion and Awareness Campaigns

- Introduction of awareness campaigns such as the new standards club and training programs.
- Appreciation for initiatives like Manak Manthan and Manak Manch.

The committee noted the information on Circular **PNC09/18/2023-PNC-BIS** dated 05/09/2023, the instructions for the effective implementation of the process reforms aimed at the strengthening of the standardization ecosystem have been circulated to committee members through email on 26/09/2023.

ITEM 1 CONFIRMATION OF THE MINUTES OF LAST MEETING

The committee deliberated on the comments received on MoM and decided to incorporate all the comments and also approved the MoM of the 14th SC Meeting of TED 29.

ITEM 2 COMPOSITION OF THE SECTIONAL COMMITTEE

2.1 The committee noted the information as given in agenda

2.2 The committee noted the information as given in agenda

2.3 The committee deliberated on the composition and decided to withdraw the nominations of the members who has not attended 13th and 14th SC meeting of TED 29 as per PNC09/18/2023-PNC-BIS dated 05/09/2023.

2.4 The committee noted the information as given in agenda

2.5 The committee noted the information as given in agenda

2.6 The committee noted the information of tasks appearing on the dashboard of Hon'ble Minister, Ministry of Consumers Affairs, Food and Public Distribution

- **Task 714** : May re-examine all 300 committee. Extract data, total number, names and background of members present in the committee for more than 5-10 years. May consider removing members more than 10 years. Due diligence to be undertaken. May form or dissolve committees wherever required. May also do public consultations.
- **Task 715** : May institutionalize a mechanism of sending polite letter to members who don't attend committee meetings for two consecutive times and considers striking their names after
- **Task 737** : BIS to reconstitute technical committees having members who have served more than 5 years of their tenure in their personal capacity or belonging to any private institution. Accordingly, the committee is well as the composition of all the 29 Sectional Committees under it based on the directives given above.

The Committee noted the information as given in the agenda and Member secretary explained about the ministry directives for composition, which is *BIS to reconstitute technical committees having members who have served more than 5 years of their tenure in their personal capacity or belonging to any private institutions*. Further it requested members to take up the subject with their top management and to update the nomination from their organization accordingly.

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 N o	ITEM	Decision in previous meetings	Decision in the last meeting	Decision in 15 th meeting.
1	New Work Item Proposals.	Gender Neutral Standards for following 1. Airbags 2. Seat Belts	The committee deliberated and decided to form a Panel under the convenorship of Shri Rahul Mahajan, ARAI with following Members: <ul style="list-style-type: none"> • Autoliv • MSIL • JP Research • Tata Motors • ASRTU • ZF RANE • ARAI <p>The Panel is also advised to prepare a plan of action within 3 weeks and share with BIS.</p> <p>The committee also advised panel to prepare Terms of research (TOR) for above research project.</p>	Shri Rahul Mahajan from ARAI has briefed the committee about the updated Terms of reference and it was well appreciated by the committee. The committee also decided to circulate the updated Terms of Reference among the committee members and if no comments were received with 7 days it will be treated as all members are in agreement with updated Terms of reference on gender neutral restraint system. Committee also decided to co-opt ICAT in gender neutral restraining system panel.
2	SNAP (2022-2027)	The following are the new areas identified for development of Standards. 1. CRS in Buses 2. Safety Installations (Crash Barriers, Bollards) 3. Safety Critical components of vehicle 4. Transportation of Especially abled persons Decision in 14th Meeting CRS in Buses The committee deliberated and decided to form a Panel under the convenorship of Shri M M Pathak, CIRT with following Members: <ul style="list-style-type: none"> • ARAI • Ashok Leyland • Mahindra Trucks and Buses • Tata Motors • ZF RANE <p>The Panel is also advised to prepare a plan of action within 3 weeks and share with BIS.</p> <p>The committee also advised panel to prepare Terms of reference (TOR) for above research project.</p>		CRS in Buses The Terms of reference is finalized on special TC meeting held on 21/11/2023 for hosting on BIS website. Shri M M Pathak, panel convenor requested all the panel members to actively participate in standard formulation of CRS in buses. Crash barriers The Terms of reference is finalized on special TC meeting held on 21/11/2023 for hosting on BIS website. The committee decided to Co-Opt M/s. Autoliv in the panel

		<p>Crash barriers The committee deliberated and decided to form a Panel under the convenorship of Shri Sagar Bendre, NATRAX with following Members:</p> <ul style="list-style-type: none"> • ARAI • Ashok Leyland • Mahindra Trucks and Buses • Tata Motors • JP Research • Indian Road Congress • National Highway Institute <p>The Panel is also advised to prepare a plan of action within 3 weeks and share with BIS.</p> <p>The committee also advised panel to prepare Terms of research (TOR) for above research project.</p> <p>Safety Critical components of vehicle The committee decided to take inputs from TEDC.</p> <p>Transportation of Especially abled persons The committee deliberated and decided to adopt AIS 169.</p>		<p>The committee requested Shri Rohan from JP Research to give presentation on accidental data available with JP Research for formulation of standard on Crash barriers.</p> <p>The committee also deliberated and decided that crash barriers is a interdepartmental subject for which representation from IRC and CRRI is also required.</p> <p>Transportation of Especially abled persons</p> <p>Conversion of AIS 169 is under preparation. The committee noted the status and authorized member secretary to process the document for WC for 60 days.</p> <p>Safety Critical components of vehicle The committee decided to take inputs from TEDC.</p>
3	<p>Proposal for Draft Amendment 1 to IS 16904: 2018 Survival space for the protection of the occupants of the cab of a commercial vehicle</p>	<p>The Panel under the convenorship of Shri Sakthivelan S., Head - Homologation, Mahindra & Mahindra Ltd. conducted a meeting on 31st January 2023 and proposed a draft Amendment 1 to IS 16904 (<i>See Annex 12</i>)</p>	<p>The committee deliberated and decide to process the document for WC for 60 days.</p> <p>Status in 15th Meeting: The document was sent for WC.</p>	<p>The committee authorized member secretary to process the draft to publication, if no comments were received during WC.</p>
4	<p>Proposal for Adoption ISOs related to Child Safety as Indian Standards</p>	<p>Shri Dilip Kulkarni for ARAI proposed for Adoption ISOs related to Child Safety as Indian Standards stating the following reasons:</p> <p>Draft AIS182 is published which will lead to type approval of ISOFIX anchorage systems on if fitted basis in coming days. This draft AIS182 specifies several ISOFIX Child Restraint Fixtures (ISOFIX CRFs) required for installation checks. The original reference of these CRFs is given in ISO-1316 which is recently revised.</p>		<p>All the standards had been sent for WC and no comments were received.</p> <p>Committee approved for processing the documents for publication.</p>

		<p>In Indian context, we can convert this ISO-13216 into mirror IS so that the same can be referred while further converting Draft AIS182 into Indian Standard as well as have free access to ISO-13216 for future references.</p> <p>In addition, following ISOs related to Child Safety can be considered for ISO to IS conversion</p> <ul style="list-style-type: none"> • ISO 13218 Child restraint systems — Report form for accidents involving child passengers • ISO 13215 (part 1 to 3) Reduction of misuse • ISO 13216 (part 1 to 3) ISOFIX Standard – High Priority • ISO 29061 (part 1 to 4) Assessment of ISOFIX usability • ISO/TS 22239 (part 1 to 3) Child seat presence and orientation detection system (CPOD) • ISO/TR 14646 Side impact testing of child restraint systems — Review of background data and test methods • ISO 29062 Child restraint systems - Sled test method <p>Decision in 14th Meeting</p> <p>The Committee deliberated and decided to adopt all the 14 ISO standards and authorized Member Secretary of TED 29 to process all the documents for WC for 60 days.</p>		
5	<p>TED 29(19145): Amendment 2 to IS 14225:2017 Automotive vehicles - Locking systems and door retention components - General requirements (First Revision)</p>	<p>Decision in 13th Meeting</p> <p>Doc TED 29 (19145) The committee deliberated on the comment received from Ashok 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</p> <p>Doc TED 29 (19145) As requested by committee, Shri Sanjay Tank, ACMA had scrutinized the draft (see Annex 13) the same was circulated among committee members for receipt of inputs.</p> <p>No comments were received.</p> <p>The committee may please deliberate and approve for finalizing the documents and process it for publication.</p>	<p>Doc TED 29 (19145)</p> <p>As requested by committee, Shri Sanjay Tank, ACMA had scrutinized the draft (see Annex 13 of agenda) the same was circulated among committee members for receipt of inputs.</p> <p>The committee deliberated on the findings of ACMA and requested ARAI and ACMA to have international deliberations and finalize the amendment which can be processed for WC for 30 days and if no comments were received with in WC the same may be processed for publication.</p>	<p>The committee deliberated and requested Shri Vishal Rawal and BIS secretariat to finalize the draft and process the document for publication.</p>

6	<p>TED 29 (19013) : 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>TED 29 (19010) : Vehicle Security Barriers Part 1 : Performance Requirement Vehicle Impact Test Method And Performance Rating</p>	<p>Status in 12th meeting: 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 Annex 2</p> <p>Decision in 12th meeting 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 further processing of Doc TED 29(19013) till further instructions from TED 29 Sectional Committee.</p> <p>Decision in 13th Meeting: The committee noted the information for Doc TED 29 (19010).</p> <p>For the Doc TED 29 (19013) 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>	<p>Doc TED 29 (19013) The committee reviewed and decided to drop the document TED 29 (19013) and to adopt AIS 169.</p> <p>For Doc TED 29 (19010) is published with IS number IS/ISO/IWA 14-1 : 2013</p> <p>The committee noted the information.</p> <p>Status in 15th Meeting: The doc TED 29(19013) has been dropped and conversion of AIS 169 to Indian standard is under process.</p>	<p>The committee authorized member secretary to process the draft to WC for 60 days.</p>
7	<p>Revise IS 15546</p>	<p>Status in 12th Meeting: Panel meeting was conducted on 27th April 2022. Draft standard (Enclosed in Annex 7) was circulated among committee members for receipt of inputs from committee members</p> <p>Comments on draft standard received from TML and TKM are enclosed in Annex 8 and Annex 9.</p> <p>The Panel convenor informed BIS Secretariat that he will update the current status of revision of IS 15546 in 12th SC</p>	<p>Decision in 13th Meeting 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 carried out for that sufficient time is required and the panel also informed the committee that they will</p>	<p>The committee authorized member secretary to process the draft to publication, if no comments were received during WC.</p> <p>As IS 15546 is referred in CMVR, OEMs expressed their views stating that Inclusion of whiplash requirements as amendment to IS 15546 will make whiplash requirements mandate with immediate effect without any transition time for incorporation of whiplash requirements.</p>

		<p>meeting and also seek guidance from TED 29 chairman for further proceeding.</p> <p>Decision in 12th Meeting: 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>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 getting evolved we can study them segregate and propose amendment at appropriate time.</p> <p>Decision in 14th meeting: Draft Amendment has been received from MSIL (<i>see Annex 20</i>) on 31/08/2023 and had been circulated among the committee members for receipt of inputs.</p> <p>Comment from ARAI i.e CI - 5.4.2.8 on page no 11 of the standard there seems to be a typo error. Instead of 890 Nm it is supposed to be 890 N</p> <p>Comment from Toyota Boshoku were received during the 14th meeting, Committee deliberated and decided to have internal deliberations with MSIL and sent the updated draft to BIS which can be processed for publication.</p> <p>Status in 15th Meeting: The document was sent for WC on 10/11/2023.</p>	<p>The Member secretary briefed the committee that standards have to upgraded as per latest technological enhancements and also technical committee main objective is to formulate standards.</p> <p>The committee also advised panel convenor Shri Gururaj Ravi to initiate the work on Whiplash requirements.</p> <p>The member secretary will come up with the best plan of approach to tackle the above-mentioned challenge.</p>
8	Amendment 2 to IS 15901 : 2010 Automotive Vehicles – Bumper fitment on M1 Category of vehicles – Test methods	<p>Proposal for draft Amendment 2 to IS 15901: 2010 was received from TKML, ICAT and ARAI are enclosed in Annex 3, Annex 4 and Annex 5 respectively.</p> <p>Decision in 12th Meeting: 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</p>	<p>Decision in 13th Meeting: Comments were received from MSIL & RNTBCI (See Annex 10 and Annex 11)</p> <p>The committee deliberated on the comments received and decided to incorporate the comment received from MSIL in the Amendment.</p>	<p>The document is sent for HOD approval for WC.</p> <p>The committee noted the status and also authorized member secretary to process the document for publication if no comments were received during the WC duration.</p>

		for 30 days and if no comments were received on WC it will be processed for publication.	<p>The committee 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> <p>Decision in 14th Meeting: Data pertaining to IS 15901 was received from Panel convenor and is enclosed in Annex 23 of agenda.</p> <p>The committee also deliberated on the comments received from RNTBCI and decided to incorporate the comments and process the document for WC for 60 days</p>	
9	Amendment 2 to IS 16694:2018	Toyota Kirloskar Motor Pvt. Ltd. had proposed a Draft Amendment 2 to IS 16694:2018 which is inline with Amendment 6 to AIS 145:2018 (see Annex 14)	<p>Decision in 13th Meeting:</p> <p>Comments were received from TML (see Annex 15 of agenda) and MSIL (see Annex 19 of agenda)</p> <p>The committee deliberated on the comments received from TML and MSIL and decided to incorporate the comments in the draft and process the draft for wide circulation.</p>	<p>The document has completed WC duration and no comments were received.</p> <p>During the meeting M&M has raised an objection over publication of amendment, The committee deliberated and decided to take up the issue with CMD of BIS within 2 weeks as it pertains to implementation part.</p> <p>If CMD doesn't agree with M&M objection over publication of amendment 2 to IS 16694 then the amendment will be processed for publication with immediate effect.</p>
10	Conversion of AIS 197 Bharat New Car Assessment Program to Indian Standard			The committee deliberated and decided to take up the conversion of AIS 197 in the year 2025 as AIS 197 is recently formulated and it requires upgradations/modification based on feedback received from certification activities.

ITEM 4 REVIEW OF INDIAN STANDARDS

IS Number	Decision in Last Meeting	Decision in previous meeting	Current Status
IS 11939: 1996 Automotive vehicles - Steering control systems - Impact protection requirements and methods of measurement (First Revision) Panel Convenor Shri B S Yamgar	<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>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>	<p>The Final draft was received from ARAI and circulated among the members for receipt of inputs (See Annex 16)</p> <p>Comments were received from MSIL (see Annex 17) and TML (see Annex 18)</p> <p>The updated draft after incorporating the comments were enclosed in Annex 22</p> <p>The committee deliberated and decided to process the document for WC for 60 days</p>	<p>The document is sent for HOD approval for WC.</p> <p>The committee noted the status and also authorized member secretary to process the document for publication if no comments were received during the WC duration.</p>

ITEM 5 INTERNATIONAL ACTIVITIES

The committee noted the information given in agenda.

Shri Rahul Mahajan from ARAI expressed his interest in TC 22/SC 36/WG 4 on Virtual testing. The committee advised BIS to further process it.

ITEM 6 MEETING CALENDAR FOR THE YEAR 2023-24

Meetings	Tentative Date
16th Sectional Committee Meeting	12/03/2023
17th Sectional Committee Meeting	Will be decided in 16 th meeting

The committee approved the meeting calendar.

ITEM 7 JOURNALS FOR ENHANCING COMMITTEE WORK

The committee noted the information given in the agenda

ITEM 8 LIST OF STANDARDS PERTAINING TO TED 29

The committee noted the information given in the agenda

ITEM 9 DATE AND PLACE FOR THE NEXT MEETING

The committee decided to have 16th Sectional Committee Meeting of TED 29 in Virtual mode on 12/03/2023.

ITEM 10 ANY OTHER BUSINESS

- A child restraint system (CRS) is a specialized safety device designed to protect infants and young children during vehicle travel. Also known as child safety seats, CRS are engineered to properly secure and restrain children in the event of a collision or sudden stop. As CRS is a safety critical component The TED 29 committee want to create awareness across the India and requested BIS to provide necessary support in spreading the awareness among the stakeholders.
- The committee requested Shri Rohan from JP Research to give presentation on accidental data available with JP Research and how that data will boost the standardization activity of TED 29.
- The committee requested Shri Boobalan from Autoliv to give the presentation on latest technological enhancement pertaining to passive safety of 2 wheelers.
- Committee requested all the members to come up with research topics pertains to scope of TED 29. There being no other comments/proposals, the meeting ended with a vote of thanks by the Chair.