



BUREAU OF INDIAN STANDARDS

MINUTES

Name of the Committee	No. of Meeting	Date & Time	Day	Venue
Automotive Body, Chassis and Accessories Sectional Committee, TED 6	(39th)	24/09/2024 & 10:30 AM Onwards	Tuesday	Virtual Meeting https://bismanak.webex.com/bismanak/j.php?MTID=m39f870bc691f484b222dfd04e900f174

CHAIRMAN: SHRI M. SREENIVASULU

MEMBER SECRETARY: Mr. G Ajit Kumar

MEMBERS PRESENT:

Organization	Member
Automotive Research Association of India, Pune (Chairperson)	Shri Sreenivasulu
Asahi India Glass Limited, Rewari	Shri Vidya Sagar Sharma
Asahi India Glass Limited, Rewari	Shri Himanshu Kaushik
Ashok Leyland Limited, Chennai	Shri Faustino V
Ashok Leyland Limited, Chennai	Shri Kumaran N
Automotive Component Manufactures Association of India	Shri Sanjay Tank
Automotive Research Association of India, Pune	Shri Sreenivasulu
Automotive Research Association of India, Pune	Ms. Sonali Tambolkar
Automotive Research Association of India, Pune	Shri S. H. Nikam
Automotive Research Association of India, Pune	Shri V. P. Rawal
Bajaj Auto Limited, Pune	Shri Milind J Pagare
BEML Limited, Bengaluru	Shri Aswini Kumar
BEML Limited, Bengaluru	Shri S. Suthakar
Central Institute of Road Transport, Pune CIRT	Dr. M M Pathak
Daimler India Commercial Vehicles Private Limited, Chennai	Shri Rama Manikandan
Hero Motocorp Limited, New Delhi	Shri Piyush Chowdhry
Honda Cars India Research and Development Limited, Noida	Ms. Neha Gaba
Honda Cars India Research and Development Limited, Noida	Shri Vishal Khare
Honda Motorcycle and Scooter India Private Limited, Gurgaon	Ms. Neha Sinha

Honda Motorcycle and Scooter India Private Limited, Gurgaon	Shri Vipin Sharma
India Yamaha Motor Private Limited, Noida	Shri Mohit Kansal
Mahindra and Mahindra Limited, Mumbai	Ms. Pathak Pushpanjali
Mahindra Trucks and Bus Division, Pune	Shri Amit Patil
Mahindra Trucks and Bus Division, Pune	Shri V G Kulkarni
Maruti Suzuki India Limited, Gurugram	Shri Arun Kumar
Maruti Suzuki India Limited, Gurugram	Shri Mayank
Ministry of Micro, Small and Medium Enterprises, New Delhi	Shri K. N. L. Murthy
Pilkington Automotive India Private Limited, Visakhapatnam	Shri Venkata Kiran Gona
Renault India Private Limited, Mumbai	Shri C V Girish Chandh
Renault India Private Limited, Mumbai	Shri Rajendra Khile
Saint-Gobain Sekurit India Private Limited, Pune	Shri Kishore Kumar V
SDR Auto Private Limited, Chennai	Dr. B. Ramesh
Skoda Auto Volkswagen India Private Limited	Shri Makarand Brahme
Skoda Auto Volkswagen India Private Limited	Ms. Saily Smarth
Suzuki Motorcycle India Private Limited, Gurugram	Shri Avinash Khot
Tata Motors Limited, Pune	Shri Gowrishankar P. S
Tata Motors Limited, Pune	Shri Sharad Shankar Bhole
Toyota Kirloskar Motor Private Limited, Bidadi	Shri Pranesh
Toyota Kirloskar Motor Private Limited, Bidadi	Shri Vijeth Gatty
Volvo Group India Private Limited, Bengaluru	Shri Challapalli Nithin Roy

ITEM 0 WELCOME ADDRESS

Member Secretary welcomed all the members who has attended the 39th Sectional Committee Meeting and also appreciated the contribution in the standardization activities of TED 06.

Shri M Sreenivasulu, Chairman, welcomed all the members for the 39th Sectional committee Meeting of TED 06. 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 06 is complete as per the time lines set for those activities.

ITEM 1 CONFIRMATION OF THE MINUTES OF LAST MEETING

The Minutes of 38th Meeting of ‘Automotive Body, Chassis and Accessories Sectional Committee, TED-6’, held through on 26th June 2024 were circulated and No comments on the recording of the Minutes have been received and hence the committee approved the minutes.

ITEM 2 SCOPE & 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 noted the information as given in agenda and decided to withdraw the nominations of members who were absent for 2 consecutive meetings.

2.4 The committee noted the information as given in agenda

2.5 The committee noted the information as given in agenda

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

The summary of actions taken on the Minutes of previous meeting and the decisions taken by the committee during the meeting are given below:

Sl no	Item / Previous Decisions	Decision in the last meetings	Decision in last meeting	Decision in 39 th Meeting
1	ISO standards published and under development	<p>The committee conducted a comprehensive review of ISO standards related to ISO TC22/SC35, both those already published and those in various stages of development. As a result of this evaluation, the committee has identified a shortlist of standards (refer to Annex 3 of agenda) that will undergo a detailed examination. If deemed necessary, these standards may be considered for adoption.</p> <p>Decision in 38th Meeting The committee allocated the ISO standards to following members (See Annex 2 of agenda) to undergo a detailed examination and update their recommendation to BIS Secretariat.</p> <p><i>Please refer Annex 8 of agenda for committee deliberation and decision in 38th sectional committee meeting.</i></p>		Please refer Annex A given below for committee deliberation and decision in 39 th sectional committee meeting.
2	Doc TED/06/26230 Automotive Vehicles Spray-Suppression Systems	The document has completed WC duration and comments were received from TML (See Annex 9 of agenda)		<p>The committee reviewed TML's comments and advised TML to refine and resubmit their proposal after conducting an internal meeting with ARAI, CIRT, ICAT, and relevant OEMs.</p> <p>During meeting M/s. AL representative has share a comment, committee advised BIS to review it.</p>

Sl no	Item / Previous Decisions	Decision in the last meetings	Decision in last meeting	Decision in 39 th Meeting
3	Doc TED/06/26181 Guideline Standard Microdot Systems Product Specification	The document has completed WC duration and comments were received from AL (See Annex 10 of agenda).		The committee deliberated and requested BIS to proceed with their guidelines as comments were editorial in nature.
4	Panel meeting for Wedged Safety glass	<p>Decision in 37th Meeting: The committee decided to process the Amendment 5 to IS 2553 for WC for 30 days.</p> <p>ARAI has requested committee to provide clarity on cl 1.2 of Amendment 3 to IS 2553(part 2) that roof glazing is applicable on new approved models only.</p> <p>The committee deliberated and decided that roof glazing will be applicable for new type approvals received after date of implementation of QCO (i.e 1st April 2023)</p> <p>Decision in 38th Meeting The draft has completed WC duration and No comments were received.</p> <p>The committee deliberated and decided to process the draft for publication.</p> <p>The committee deliberated on M/s. Pilkington proposal for inclusion of “Treated laminated glass” in IS 2553 (Part 2) and decided to form a panel under the convenorship of Shri Venkat Kiran, Pilkington for further deliberation on Treated laminated glass</p>		<p>The document is under publication stage.</p> <p>The committee noted the information.</p> <p>Panel Meeting was held on 23/09/2024 and recommended to include treated laminated windscreen in IS 2553 (part 2).</p> <p>The committee deliberated and requested M/s. Pilkington to organize a practical demonstration of testing of treated laminated glass at ARAI for detailed insights.</p>
5	Review of IS 14495: 1998 Automotive Vehicles – Pillion hand Holds for two-wheeled vehicles Requirements.	Decision in 34st Meeting: The committee approved for processing the document for Wide Circulation for 60 days.	The document was sent for WC on 09/01/2023 for 60 days. As no comments were received, the committee finalized the document for publication.	<p>The standard has been published.</p> <p>The committee noted the information.</p>

Sl no	Item / Previous Decisions	Decision in the last meetings	Decision in last meeting	Decision in 39 th Meeting
			<p>Decision in 38th meeting The document is under publication stage. The committee noted the information.</p>	
6	<p>TED 06 (14013): Field of Vision of Motor Vehicle Drivers For M1 And L7-M Category.</p>	<p>Decision in 35th Meeting: For Doc TED 06 (14013) the committee decided to incorporate the comment from MSIL and process the document for publication.</p>	<p>Decision in 36th Meeting: For Doc TED 06(14013) MSIL comments were incorporated and sent it for HOD Approval for publication.</p> <p>Decision in 37th meeting The document is under publication stage</p> <p>Decision in 38th meeting The document is under publication stage. The committee noted the information.</p>	<p>The standard has been published. (IS 8615: 2024)</p> <p>The committee noted the information.</p>
7	<p>Amendment 3 to IS 16219: 2014 Automotive vehicles - Metallic fuel tanks – Specification.</p>	<p>The BAL briefed on the Gap analysis between IS 12056: 1987 and IS 16219: 2014 and proposed to issue an amendment to IS 16219:2014 to include quadricycle requirements.</p> <p>The committee advised BIS to not to withdraw IS 12056: 1987 till IS 16219: 2014 notified in CMVR.</p> <p>Decision in 38th Meeting Document is under WC (see Annex 5 of agenda) and No comments were received.</p> <p>The committee deliberated and decided to process the draft for publication.</p>		<p>The document is under publication stage.</p> <p>The committee noted the information.</p>

Sl no	Item / Previous Decisions	Decision in the last meetings	Decision in last meeting	Decision in 39 th Meeting
8	<p>Amendment 2 to IS 13942 (Part 1): 2019 Automotive Vehicles -External Projection Part 1 Performance Requirements for M1 Category of Vehicles (First Revision).</p>	<p>The committee deliberated on MSIL's review analysis and has decided to form a panel, led by MSIL, to deliberate on potential amendments to IS 13942 (Part 1).</p> <p>The panel is advised to update their findings to the BIS secretariat within a one-month timeframe.</p> <p>Decision in 38th Meeting The draft amendment was received from MSIL and was processed for WC (see Annex 6 of agenda) and No comments were received.</p> <p>The committee deliberated and decided to process the draft for publication.</p>		<p>The document is under publication stage.</p> <p>The committee noted the information.</p>
9	<p>Revision of IS 10791: 1983 Specification for control cable assembly for mopeds</p>	<p>Draft terms of reference of control cables of 2 wheelers is enclosed in Annex 4 of agenda.</p> <p>Decision in 38th Meeting The committee deliberated and decided to extend the scope of IS 10791 covering entire 2-wheeler segment.</p> <p>The responsibility for review was assigned to M/s. BAL</p>		<p>M/s. BAL briefed the committee on their review. After deliberation, the committee advised M/s. BAL, along with 2-wheeler manufacturers, to modify the standard to meet the requirements of both mopeds and motorcycles.</p> <p>It was also suggested to refer AIS-060 on the subject to review for it.</p>
10	<p>Amendment 3 to IS 15547 : 2005 Automotive vehicles - Plastic fuel tank for four wheelers</p>	<p>MSIL has proposal for amendment (see Annex 28 of agenda)</p> <p>The committee deliberated and decided to circulate amendment proposal by MSIL for members review and also process for WC for 30 days</p> <p>Decision in 38th meeting The draft is under WC (see Annex 7 of agenda) and no comments were received.</p>		<p>The document is under publication stage.</p> <p>The committee noted the information.</p>

Sl no	Item / Previous Decisions	Decision in the last meetings	Decision in last meeting	Decision in 39 th Meeting
.		During the meeting comments were received from ICAT. The committee deliberated and advised MSIL to modify the draft accordingly, the same be once again sent for WC for 30 days for further inputs. The committee authorized member secretary to process the draft for publication if no further comments were received during WC.		

ITEM 4 TECHNICAL WORK PROGRAMME OF THE COMMITTEE

4.1 The committee noted the information given in agenda.

4.2 The committee noted the information given in agenda.

THE FOLLOWING STANDARDS HAS BEEN PUBLISHED:

- IS 11028:2024 Specification for handle bars for mopeds.
- IS 11030:2024 Specification for moped seat pillars.
- IS 11140: 2024 Automotive Vehicles - Footrests for Two - Wheeled Motor Vehicles Requirements (First Revision).
- IS 14413:2024 Automotive vehicles Telltale symbols and controls on two wheeled and three wheeled vehicles.
- IS 16322:2024 Automotive vehicles Strength of superstructure of large passenger vehicles.

The committee noted the information.

The following draft under preparation:

IS/Title	Previous Meeting	Decision in 39 th Meeting
IS 15061 : 2002 Automotive vehicles – Flammability requirements. Responsibility for Review Ms. Vijayanta Ahuja (ICAT)	Draft standard has been received from Ms. Vijayanta, ICAT and the same has been circulated among committee members for inputs. The final draft will be prepared upon the receipt of inputs from committee members. Decision in 34th Meeting: The chairman advised panel convenor Ms Vijayanta Ahuja, ICAT to conduct panel meeting at the earliest to deliberate on the comments received. The chairman also advised the panel convenor to send the finalized draft to be sent to BIS Secretariat which can be processed for P draft circulation.	The committee requested BIS to deliberate with ICAT and expedite the draft.

	<p>Decision in 34th Meeting: A Panel meeting was held on 03rd April 2023 to deliberate on the comments received from Members.</p> <p>The committee requested the panel convenor to expedite and send the draft to BIS secretariat. The committee requested to send the document for P draft circulation.</p> <p>Decision in previous meetings: The panel convenor briefed the status of revision of IS 15061 : 2002 to committee.</p> <p>The committee advised to finalize the draft within 1 month and send the draft to BIS secretariat which can be processed for WC for 60 days.</p>	
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ITEM 5 INTERNATIONAL ACTIVITIES

- 5.1 The committee noted the information given in agenda
- 5.2 The committee noted the information given in agenda
- 5.3 The committee noted the information given in agenda
- 5.4 The committee noted the information given in agenda

ITEM 6 MEETING CALENDAR FOR THE YEAR 2024-25

The committee deliberated and approved the meeting calendar.

ITEM 7 DATE AND PLACE FOR THE NEXT MEETING

The committee deliberated and decided to have 40th Sectional Committee Meeting of TED 06 in the December 2024

ITEM 8 ANY OTHER BUSINESS

Shri Sreenivasulu, Chairperson of TED 06, has informed his decision to step down from his role, as he opted for VRS from the Automotive Research Association of India (ARAI). He conveyed a deep sense of gratitude towards the committee members for their consistent support and collaboration throughout his tenure. Reflecting on his years of leadership, Sreenivasulu sir acknowledged the collective efforts that contributed to the many milestones achieved by the committee. He emphasized that the successes they attained were not the result of individual accomplishments but of the united and dedicated teamwork demonstrated by every member of TED 06.

Sreenivasulu sir words underscored the importance of cooperation, transparency, and shared responsibility, which have been the guiding principles during his time as chairperson. Shri Sreenivasulu also expressed his pride in having worked with such a talented and committed team,

noting that their professionalism and passion played a significant role in driving the committee's accomplishments forward.

Following his address, each committee member took the opportunity to share their personal experiences working with Shri Sreenivasulu sir. They spoke with admiration and respect, praising his leadership, vision, and unwavering commitment to the committee's goals. Members fondly recalled instances where his guidance helped navigate complex challenges, highlighting his ability to foster consensus while encouraging innovative solutions. They appreciated how chairman sir had always been approachable, open to diverse perspectives, and dedicated to nurturing a culture of inclusivity and collaboration. His thoughtful and strategic decision-making, along with his capacity to inspire the team, were frequently noted as hallmarks of his tenure. As they reflected on his positive impact, members expressed their gratitude for his role in shaping the direction of TED 06, and many remarked that his leadership had left an indelible mark on both the committee and its individual members

ANNEX A

S.No	Standard No & Title	Decision in 37 th Meeting	Decision in 38 th Meeting	Decision in 39 th Meeting
1	ISO 5685:2022 Road vehicles — Testing the abrasion resistance of automotive glazing with the windscreen wiper test	Standard allocated to ARAI for review.	ARAI briefed the committee about their review, The committee deliberated and advised ARAI to consider all aspects and submit their recommendation within 6 weeks	ARAI briefed the committee about their review, Committee deliberated and decided to adopt the standard as this can be used by glass manufacturers and test agencies.
2	ISO 6255:1997 Passenger cars — Rear-window washing and wiping systems — Test methods	Standard allocated to MSIL for review.	MSIL briefed the committee on the review of ISO 6255:1997. The committee requested MS to consult with TED 11 to determine if it falls within TED 11's scope.	This subject falls under scope of TED 11, The committee noted the information.
3	ISO 16505:2019 Road vehicles — Ergonomic and performance aspects of Camera Monitor Systems — Requirements and test procedures	Standard allocated to RNTBCI for review.	RNTBCI briefed the committee about their review. The committee deliberated and decided not to adopt ISO 16505 as all the requirements were covered in AIS 001/AIS 002. After implementation of AIS 001/AIS 002 may be converted to IS standards.	The committee deliberated and decided to adopt the ISO standard as it was referred in AIS 001 as IS/ISO

4	ISO 17449:2015 Road vehicles — Safety glazing materials — Test methods for properties of electrically heated glazing	Standard allocated to M/s Pilkington and M/s Saint Gobain for review.	The committee advised M/s Pilkington and M/s Saint Gobain to complete the review within 6 weeks.	M/s Pilkington and M/s Saint Gobain briefed the committee about the review, the committee deliberated and decided not to adopt the standard.
5	ISO/TS 21957:2023 Road vehicles — Visibility — Specifications and test procedures for head-up displays (HUD)	Standard allocated to MSIL for review.	MSIL briefed the committee that GRSG is in process of formulation of draft which deals with Field of Vision Assistant (FVA). The committee deliberated and decided to adopt the UN regulation.	As decided in 38 th SC meeting the subject has been removed from consideration for adoption. The committee noted the information.
6	ISO 23013:2016 Road vehicles — Determination of resistance to forced entry of security glass constructions used in vehicle glazing — Test of glazing systems	Standard allocated to M/s Saint Gobain for review.	The M/s Saint Gobain briefed the committee about the standard. The committee advised M/s Saint Gobain to prepare a detailed presentation on the subject with their recommendation and share with BIS secretariat within 6 weeks.	The committee requested M/s Saint Gobain to submit their recommendation with detailed presentation within 4 weeks.
7	ISO/CD 11983 Road vehicles — Safety glazing materials — Test methods for electro- switchable glazing	Standard allocated to M/s Pilkington for review.	M/s Pilkington briefed the committee on review. The committee deliberate and decided not to adopt ISO/CD 11983 as this technology is still in initial stages in Indian context.	As decided in 38 th SC meeting the subject has been removed from consideration for adoption. The committee noted the information.