



BUREAU OF INDIAN STANDARDS

MINUTES

<u>Name of the Committee</u>	<u>No of meeting</u>	<u>Date and Time</u>	<u>Day</u>	<u>Venue</u>
Automotive Braking and Steering Systems, Vehicle Testing and Performance Evaluation Sectional Committee, TED 4	38 th (Physical Meeting)	11th January 2023 10: 30 AM onwards	Wednesday	BIS HQ New Delhi

CHAIRMAN: Shri A Akbar Badusha

MEMBER SECRETARY: G Ajit Kumar

Members Present:

Sl. No.	Name of Member	Name of Organization	E-mail
1.	Shri A. A. Badusha	Automotive Research Association of India, Pune	badusha.vel@araiindia.com
2.	Shri D S Mole	Automotive Research Association of India, Pune	mole.nvh@araiindia.com
3.	Dr. Nagesh Walke	Automotive Research Association of India, Pune	walke.nvh@araiindia.com
4.	Shri Pradeep Jawale	Automotive Research Association of India, Pune	jawale.nvh@araiindia.com
5.	Shri Prashant Pawar	Automotive Research Association of India, Pune	pawar.sdl@araiindia.com
6.	Shri Pratik Nayak	Automotive Research Association of India, Pune	nayak.apx@araiindia.com
7.	Shri Sanjay Tank	Automotive Component Manufactures Association of India, New Delhi	sanjay.tank@acma.in
8.	Shri Uday Harite	Automotive Component Manufactures Association of India, New Delhi	Usharite@acma.in

Sl. No.	Name of Member	Name of Organization	E-mail
9.	Shri Ved Prakash Gautam	Ashok Leyland Limited, Chennai	Gautam.vp@Ashokleyland.com
10.	Shri Kumaran N	Ashok Leyland Limited, Chennai	Kumaran.n@ashokleyland.com
11.	Shri Arvind V. Kumbhar	Bajaj Auto Limited, Pune	avkumbhar@bajajauto.co.in
12.	Shri G. Devendran	Brakes India Limited, Chennai	devendran.g@brakesindia.co.in
13.	Shri S. Murugesan	Brakes India Limited, Chennai	murugesan.s@brakesindia.co.in
14.	Shri B. Ruban Deva Prasath	Brakes India Limited, Chennai	rubandevaprasath.b@brakesindia.co.in
15.	Shri Tarun Appachu	Bosch Chassis Systems India Private Limited, Pune	tarun.appachu@in.bosch.com
16.	Shri Chandresh	Bosch Chassis Systems India Private Limited, Pune	chandresh@in.bosch.com
17.	Shri Alok Kumar	Denso International India Private Limited, Gurugram	alok.kumar.a4z@ap.denso.com
18.	Shri Rama Manikandan	Daimler India Commercial Vehicles Private Limited, Chennai	rama.manikandan@daimler.com
19.	Shri Venkatesh Sankaran	Federal Mogul Motorparts India Limited, Chennai	venkatesh.sankaran@driv.com
20.	Mohd. Danish Gazali	Hero Motocorp Limited, New Delhi	mohd.gazali@heromotocorp.com
21.	Shri Karan Rajput	Honda Motorcycle and Scooter India Private Limited, Gurgaon	karan.rajput@honda2wheelersindia.com
22.	Shri Navneet Kaushik	Honda Motorcycle and Scooter India Private Limited, Gurgaon	navneet.kaushik@honda2wheelersindia.com
23.	Shri Mritunjay Shukla	Indian Institute of Petroleum, Dehradun	mshukla@iip.res.in
24.	Shri Gavendra Singh	International Centre of Automotive Technology, Manesar	gavendra@icat.in
25.	Shri Gurkaran Singh Cheema	International Centre of Automotive Technology, Manesar	gurkaran.singh@icat.in
26.	Shri Arun Bisht	Knorr-Bremse Systems for Commercial Vehicles India Private Limited, Pune	arun.bisht@knorr-bremse.com
27.	Shri Gururaj Ravi	Maruti Suzuki India Limited, Gurugram	gururaj.ravi@maruti.co.in
28.	Shri Raj Kumar Dwivedi	Maruti Suzuki India Limited, Gurugram	RajKumar.Diwedi@maruti.co.in
29.	Shri Manoj Prabagar	Maruti Suzuki India Limited, Gurugram	Manojphabagar.chandran@maruti.co.in
30.	Shri Devinder Tangri	Mahindra and Mahindra Limited, Mumbai	tangri.devinder@mahindra.com
31.	Smt. Pushpanjali	Mahindra and Mahindra Limited, Mumbai	23138754@mahindra.com
32.	Shri Rakesh	Mahindra and Mahindra Limited, Mumbai	rakesh.bidre2812@gmail.com

Sl. No.	Name of Member	Name of Organization	E-mail
33.	Shri Amit Patil	Mahindra Trucks and Bus Division, Pune	patil.amit20@mahindra.com
34.	Shri Rajendra Khile	Renault India Private Limited, Mumbai	rajendra.khile@rntbci.com
35.	Shri Vijay Dinakaran	Renault India Private Limited, Mumbai	Vijay.dinakaran@rntbci.com
36.	Dr. R M Thirupathi	Rane TRW Steering Systems Limited,	rm.thirupathi@ranegroup.com
37.	Dr. M Muthukumar	Rane TRW Steering Systems Limited,	m.muthukumar@ranegroup.com
38.	Shri Mohit Gupta	SML Isuzu Limited, Ropar	mohit.gupta@smlisuzu.com
39.	Shri Abhinav Sharma	SML Isuzu Limited, Ropar	abhinavsharma.rnd@smlisuzu.com
40.	Dr. Janarthanan Gopalakrishnan	Sundaram Brake Linings Limited, Chennai	jg@tvssbl.com
41.	Shri Avinash Khot	Suzuki Motorcycle India Private Limited	khot.avinash@suzukimotorcycle.in
42.	Shri Uday Saunkhe	Tata Motors Limited, Pune	uday.salunkhe@tatamotors.com
43.	Shri Vijeth R Gatty	Toyota Kirloskar Motor Private Limited, Bidadi	vijeth_gatty@toyota-kirloskar.co.in
44.	Shri Deepu B S	Toyota Kirloskar Motor Private Limited, Bidadi	pr_deepu@toyota.kirloskar.co.in
45.	Shri Sachin Deshmukh	ZF Commercial Vehicle Control Systems India Limited, Pune	sachin.deshmukh@zf.com

ITEM 0 WELCOME AND INTRODUCTORY REMARKS

Shri R. R. Singh, Head (TED) warmly welcomed all the members who has attended physically and virtually for the 38th Sectional Committee Meeting of TED 04 and also appreciated the contribution made by members. He also explained about guidelines received from BIS Management like organizing quarterly 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.Akbar Badusha, Chairman, warmly welcomed all the members who had attended physically and virtually for the 38th Sectional committee Meeting of TED 04. He greatly appreciated the contribution made by the members towards the committee work. He appreciated the work done by former Chairman Dr. N. Karuppaiah, who can also be invited by BIS to join this committee from IIT Chennai. He appraised the committee that standards dealt with by this Committee are of immense importance as they have a direct impact on the notified regulations under CMVR by MoRTH. 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 04 is complete as per the time lines set for those activities.

ITEM 1 CONFIRMATION OF THE MINUTES OF PREVIOUS MEETING

The minutes of the 37th Meeting held on **08th August 2022 held virtually** was circulated among the committee members via Email and BIS Portal. Since no comments were received on the same the committee confirmed the minutes of the 37th SC Meeting of TED 04

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 and decided to co-opt the following member

Sl. No.	NAME	ORGANIZATION NAME
1.	AVINASH KHOT	SUZUKI MOTORCYCLE INDIA PVT LTD

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 PENDING ISSUES /ACTIONS ARISING OUT OF THE PREVIOUS MEETING(S)

Sl No	Subject	Status/ Decision of committee during previous meeting	Decision in last meeting	Decision in 38 th meeting
1.	New subject for standardization (Ride and Handling) –	<p>Chairman informed the Committee that within a month a Panel meeting would be convened at NATRAX, Indore with inclusion of few new members to expedite formulation of Part 4 of the Standard.</p> <p>Chairman informed the Committee that a Panel meeting was held with additional members and the drafts have been prepared on Part 4 and Part 5 of Vehicle Ride and Handling</p>	<p>Status in 37th meeting Status of the documents is awaited from panel convenor</p> <p>Decision in 37th meeting Mr. Jayanta Chakrabarty on behalf of the Panel had briefed about current status of Part 4 and Part 5; Panel meeting planned on 7 October 2021 couldn't be held due to non-receipt of further comments from Members. Mr Jayanta stated that another 15 days' time will</p>	<p>Shri Rakesh from M&M Ltd on behalf of the Panel had briefed the committee about key parameters considered while formulating the standard and also deliberated the current status of Part 4 and Part 5 of Ride and Handling standards.</p> <p>The committee requested the Ride and Handling Panel under the convenorship of Shri Kailash Jat to</p>

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		Standards. The panel will meet on 07th October to finalize these Parts.	<p>be given to the members for receipt of inputs, based on that a panel meeting will be called to finalize the Part 4 and Part 5 of Ride and Handling Standards.</p> <p>The chairman, TED 4 requested all the members to share the comments at the earliest and also requested the panel to expedite the finalization of and send it BIS Secretariat for issuing it in for wide circulation.</p> <p>Status in 38th Meeting The draft documents were enclosed in Annex 27 of Agenda . panel convenor informed that a panel meeting will be held in the month of February to finalize these parts.</p>	organize a panel meeting in the month of February by also including the stake holders who has expressed their willingness for participation and finalize the draft and sent it to BIS Secretariat for processing it for P draft circulation.
2.	TED4(13068)W Automotive Vehicles– Noise Emitted by Moving Vehicles – Specification and Method of Measurement <i>Part2 : Other Than L2 And L5 Category</i>	<p>The Committee deliberated on the Comments received and suggested that the Panel Convenor Shri N. V Karanth should re-examine the comments along with the other Panel Members and submit a revised draft for issuing in wide circulation for one month.</p> <p>The Committee constituted a Panel under the Convenorship of Dr Nagesh H Walke of ARAI to study the</p>	<p>Status in 37th meeting The document has been sent to publication department for printing</p> <p>One new Proposal for Amendment 1 to IS 3028(part 2) has been received from ARAI on 5 August 2022 which is enclosed in Annex 16 of Agenda</p> <p>Decision in 37th meeting Dr. Nagesh H Walke briefed about the standard and its amendments. Comments were received from Tata motors, Renault Nissan, MSIL and M&M. The committee decided to send the Amendment 1 to</p>	<p>Shri Nagesh H Walke briefed about the standard and amendments to IS 3028(Part 1, Part 2 & Part 3). The committee appreciated the work done by panel.</p> <p>The committee deliberate on Amendment 1 to IS 3028 (part 1) and decided to process the draft for WC for 60 days.</p> <p>For Amendment 1 to IS 3028 (Part 2) the committee deliberated on the comment</p>

Sl No	Subject	Status/ Decision of committee during previous meeting	Decision in last meeting	Decision in 38 th meeting
		<p>amendment proposed in the meeting with respect to the data generated on TATA vehicle at NATRAX. The other members of the Panel will be Shri Raj Kumar Diwedi of Maruti Suzuki India Ltd., Shri P.S Gowrishankar of Tata Motors, Shri V.P Gautam of Ashok Leyland Limited. The panel will also take into consideration the Amendment No. 6 to UNECER-51 for its suitable incorporation in the final draft document. The final draft will be shared with all the members of TED 4 within 3 weeks and will be put up to the Chairman, TED 4 for his approval thereafter. The draft will be processed for publication after the approval is received from Chairman, TED 4</p>	<p>3028(part 2) for wide circulation after the publication of the standard. The committee also recommended to call a panel meeting under the convenorship of Dr. Nagesh H Walke at the earliest and deliberate on comments received from Tata motors, Renault Nissan and MSIL. So that further actions can be made on the same.</p> <p>Status in 38th Meeting The draft amendments of IS 3028 (part 1), IS 3028 (part 2), IS 3028 (part 3) were received from panel convenor which are enclosed in Annex 23 , Annex 24, Annex 25 of Agenda.</p> <p>One comment was received from RNTBCI which is enclosed in Annex 28 of Agenda.</p>	<p>received from RNTBCI decided to incorporate the comment in the draft and process it for WC for 60 days.</p> <p>For Amendment 1 to IS 3028 (Part 3) the BAL recommended to include e rickshaw and e cart. Committee agreed to it and requested the panel to modify the draft accordingly and sent it BIS Secretariat for processing it for WC for 60 days.</p> <p>The committee also requested the Panel to initiate the work on L1 category vehicles and Phase 3 Noise limits and Lead time requirements.</p> <p>MSIL requested the committee to consider provision of additional lead time of 18 Months to implement Phase 3 limits from Phase 2 limits. The committee advised the Panel under the convenorship of Dr Walke to deliberate it in subsequent panel meetings and decide based on mutual consensus and indigenous requirements.</p>

SI No	Subject	Status/ Decision of committee during previous meeting	Decision in last meeting	Decision in 38 th meeting
3.	Doc : TED 4(13317)W Draft Indian Standard Automotive Vehicles- Noise Emitted By Stationary Vehicles-Method of Measurement (Second Revision of IS 10399)	The Committee deliberated on the Comments received and suggested that the Panel Convenor Shri N. V Karanth should re-examine the comments along with the other Panel Members and submit a revised draft for issuing in wide circulation for one month.	<p>The Committee constituted a Panel under the Convenorship of Dr.Nagesh H Walke of ARAI The other members of the Panel will be from Maruti Suzuki India Ltd. Tata Motors, Honda Scooters and Motorcycles Ltd and Ashok Leyland. The final draft will be shared with all the members of TED 4 and will be put up to the Chairman, TED 4 for his approval within 3 weeks. The draft will be processed for publication after the approval is received from Chairman, TED 4.</p> <p>Status in 37th meeting The document has been sent to publication department for printing</p> <p>Decision in 37th meeting The committee noted the status.</p> <p>Status in 38th Meeting The document had been published in the month of August.</p>	The committee noted the information.
4.	Doc: TED/04/20101 Amendment 2 to IS 15986 : 2015 Automotive Vehicles — Uniform Provisions Concerning the Approval of Vehicles of Categories M1	The Committee deliberated on the ARAI proposal for IS-15986-2015 WCC. Brakes India Limited (BIL) & Maruti Suzuki India Ltd (MSIL) had also submitted their	WCC is has been received. The draft document incorporating the same will be issued in wide circulation for 30 days Status in 37th meeting	The committee deliberated on the comments received from BIL and ARAI and decided to incorporate these comments in the draft.

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	and N1 with Regard to Braking	<p>comments to TED4 committee before the meeting . Comments were discussed in brief but couldn't be concluded, it was decided by the Committee that BIL & MSIL comments will be discussed in detail with Shri. Akbar Badusha(ARAI)'s and on the basis of such detailed discussion and mutual agreement WCC will be finalized for inclusion in IS-15986-2015.</p>	<p>The document had been sent for wide circulation for 30 days on 18/07/2022 (see <i>Annex 2</i>)</p> <p>Decision in 37th meeting</p> <p>The committee noted the status and requested all the committee members to go through the draft and kindly share their inputs</p> <p>Status in 38th Meeting</p> <p>The document has completed its WC duration.</p> <p>Comments were received from ARAI and BIL which are enclosed in Annex 29 and Annex 30</p>	<p>MSIL requested additional time of 20 days for sharing their comments, The committee advised MSIL to share their comments to ARAI and have deliberations with ARAI regarding their comments.</p> <p>The committee also requested ARAI to modify the draft as per comments received from BIL and MSIL and sent it to BIS Secretariat.</p> <p>This updated draft will be once again sent for WC for 30 days, If No further comments were received the committee authorized Member Secretary to process the document for publication.</p>
5.	Amendment to IS 14664 : 2010 AUTOMOTIVE VEHICLES — PERFORMANCE REQUIREMENTS AND TESTING PROCEDURE FOR BRAKING SYSTEM OF TWO AND THREE WHEELED MOTOR VEHICLES	<p>The Committee accepted the draft Amendment 5 to IS 14664 : 2010 received from Bajaj Auto Ltd. and decided to put it in wide circulation for 30 days. Since, draft Amendment 4 is on hold this draft Amendment will be processed as Draft Amendment 4 to IS 14664.</p> <p>This Amendment will be processed once Amendment No. 4 to IS</p>	<p>Status in 37th meeting</p> <p>The Doc TED/04/20076 which is Amendment 5 to IS 14664: 2010 has been sent for wide circulation for 30 days on 18/07/2022 (see <i>Annex 3</i>)</p> <p>Decision in 37th meeting</p> <p>The committee noted the status and requested all the committee members to go through the draft and kindly share their inputs</p> <p>Status in 38th Meeting</p> <p>Comments were received from BIL (<i>see Annex 19</i> of</p>	<p>The committee deliberated on the comments received from BIL and BAL and decided to incorporate only BAL comment and process the document for publication.</p>

SI No	Subject	Status/ Decision of committee during previous meeting	Decision in last meeting	Decision in 38 th meeting
		14664 : 2010 is published.	Agenda) and BAL (<i>see Annex 20</i> of Agenda)	
6.	Doc : TED 4(20099)W Amendment 2 to IS 11852 : 2019 Automotive Vehicles — Uniform Provisions Concerning the Approval of Vehicles of Categories M2, M3, N and T with Regard to Braking (Third Revision)	<p>The Committee decided to put a Draft Amendment based on the accepted comments in wide circulation for 30 days.</p> <p>The draft Amendment will be issued in circulation shortly</p>	<p>Status in 37th meeting The document has been sent for Wide circulation for 30 days on 18/07/2022 (see <i>Annex 4</i> of Agenda)</p> <p>Decision in 37th meeting The committee noted the status and requested all the committee members to go through the draft and kindly share their inputs.</p> <p>Status in 38th Meeting No comments were received on the WC Draft</p>	As no comments were received on the WC draft, The Committee approved for processing the document for publication.
7.	Doc : TED 4(14656)W Draft Indian Standard Automotive Vehicle – Noise Emitted By Stationary Vehicles – Method Of Measurement – Non-Original Replacement Exhaust Silencing Systems (RESS) For Two And Three Wheeled Vehicles	This document was issued in wide circulation on 30.12.2020. The last date for sending comments was 31.12.2021. No comment on the document has been received till date	<p>Since, no comments were received on the document, the Committee approved the document for publication. The Committee authorized the Member Secretary to carry out any editorial corrections in the document, required.</p> <p>Status in 37th meeting The document has been sent to publication department for printing</p> <p>Decision in 37th meeting The committee noted the status</p> <p>Status in 38th Meeting The document was</p>	The committee noted the information.

SI No	Subject	Status/ Decision of committee during previous meeting	Decision in last meeting	Decision in 38 th meeting
			published in August 2022.	
8.	Doc: TED 4(17272) W Draft Amendment No. 2 to IS 17132: 2019 Guideline Specifications for Replacement Brake Lining Assemblies and Drum Brake Linings for Power-Driven Vehicles and Their Trailers	This document was issued in wide circulation on 30.04.2021. The last date for sending comments was 29.05.2021. The comments had been received from M/s Maruti Suzuki India Ltd and M/s Brakes India Limited.	<p>The Committee deliberated on the comments received on the document and accepted all the comments received from M/s Maruti Suzuki India Ltd and M/s Brakes India Limited. The Committee approved the document for publication after incorporation of all the accepted comments in the document.</p> <p>The Committee authorized the Member Secretary to carry out any editorial corrections in the document, required</p> <p>Status in 37th meeting</p> <p>The draft Amendment after incorporating the comments received from MSIL and BIL was circulated among the committee members for receipt of inputs. Last day for sharing the inputs is 07.08.2022,</p> <p>If no comments are received it is assumed that all the committee members are agreeing to draft amendment and it will be processed for publication after the approval received from chairman</p> <p>One comment received from BIL (see <i>Annex 17</i> of Agenda)</p>	<p>The committee deliberated on the comments received from TML and BIL and decided to incorporate TML comments and process the draft for publication.</p> <p>Regarding BIL comments the committee appreciated the work done by BIL and decided that further study is required on it and also advised all the committee members to go through the comments and share their inputs at the earliest.</p>

SI No	Subject	Status/ Decision of committee during previous meeting	Decision in last meeting	Decision in 38 th meeting
			<p>Decision in 37th meeting</p> <p>The committee deliberated on the comment received from BIL and decided to incorporate the comment in the draft. The committee decided to incorporate these comments and send the document for WC once again for 30 days.</p> <p>Status in 38th Meeting</p> <p>After incorporating all the comments the draft was again recirculated among the committee members for receipt of inputs.</p> <p>New comments were received from TML (See <i>Annex 21</i> of Agenda) and BIL (See <i>Annex 22</i> of Agenda).</p>	
9.	IS 11852: 2013 Automotive Vehicles — Uniform Provisions Concerning the Approval of Vehicles of Categories M2, M3, N and T with Regard to Braking (Second Revision)	<p>Member secretary informed the committee that IS 11852: 2013 has been cancelled after publication of IS 11852: 2019. Members expressed that IS 11852: 2013 has been notified under CMVR and hence it's cancellation should be revoked through a Gazette Notification as per BIS procedure. The Committee requested the Member Secretary to initiate action in this regard at the earliest.</p> <p>The Committee accepted the additional comments received from ARAI and decided to incorporate the same in Draft Amendment 1 to IS 11852: 2013 which will be directly issued in wide circulation for 30 days.</p> <p>Status in 37th meeting</p> <p>The cancellation of IS 11852: 2013 has been revoked.</p> <p>Draft Amendment No 1 to IS 11852: 2013 had been send to wide circulation and based on comments received from ARAI the draft has been modified (see <i>Annex 5</i> of Agenda) and circulated among the</p>		The committee noted the information.

Sl No	Subject	Status/ Decision of committee during previous meeting	Decision in last meeting	Decision in 38 th meeting
		<p>committee members for receipt of inputs. Last day for sharing the inputs is 29.07.2022,</p> <p>One comment was received from SIAM (see <i>Annex II</i> of Agenda)</p> <p>Decision in 37th meeting The committee thoroughly deliberated on comment received from SIAM and decided not to incorporate the comment in the draft and process the document for publication</p> <p>Status in 38th Meeting The document is under gazette stage.</p>		

ITEM 4 TECHNICAL WORK PROGRAMME OF THE COMMITTEE

4.1 The committee noted the information

4.2 As on-going activity, as indicated at 4.1 above, Sectional Committee reviews the Indian Standards formulated by it at an interval of five years from the date of publication/last review. Following standard were falling due for review and were allocated to Committee members in the previous meeting of SC. The Committee members were requested to send their Inputs in the BIS Prescribed Pro forma. The Progress on the work allocated is given in the following table:

Sl. No.	IS Number & Title	Review Allotted to	Previous Meetings	Decision in 38 th Meeting
1	IS 7065:1973 Specification for steering wheels	ACMA	<p>ACMA Recommended for withdrawal (<i>see Annex 12</i> of Agenda)</p> <p>Decision in 37th Meeting Withdrawal is agreed in principle in the mean while committee recommended BIS Sectt to look for ISO standards related to subject. Based on that decision will be taken in next sectional committee meeting</p> <p>Status in 38th Meeting The standard was assigned to BIS officer for review analysis. The officer</p>	The committee deliberated and decided to withdraw this standard as the Requirements mentioned in IS-7065 are as per older technologies, which stands irrelevant as per latest changes/design adopted by OEMs for styling, safety and energy absorption.

Sl. No.	IS Number & Title	Review Allotted to	Previous Meetings	Decision in 38 th Meeting
			suggested for withdrawal of standard due to Requirements mentioned in IS-7065 are as per older technologies, which stands irrelevant as per latest changes/design adopted by OEMs for styling, safety and energy absorption.	
2	IS 11422:2001 ISO 6726:1988 Terms and definitions of weights of two wheeled motor vehicles (first revision) (Superseding IS 9726)	Hero Motocorp	HMCL Recommended for Reaffirm, Decision in 37th Meeting Committee decided to reaffirm the standard as recommended Status in 38th Meeting The standard had been reaffirmed.	The committee noted the information.
3	IS 11432:2002 ISO 6725:1981 Terms and definitions of dimensions of two wheeled motor vehicles (first revision) (Superseding IS 9727 & IS 11571)	Hero Motocorp	HMCL Recommended for Reaffirm, Decision in 37th Meeting Committee decided to reaffirm the standard as recommended Status in 38th Meeting The standard had been reaffirmed.	The committee noted the information.
4	IS 11739:1986 Method of recording dust ingress in automotive Vehicles	Maruti Suzuki India Ltd	MSIL Recommended for Reaffirm, Decision in 37th Meeting Committee decided to reaffirm the standard as of now. As the competent Authority of BIS decided to revise all the pre 2000 standards. The member secretary will prepare a W.C draft and issue it wide circulation for 60 days. Status in 38th Meeting The document TED/04/20393 was sent for WC on 16/11/2022 for 30 days. Comments received from Ashok Leyland and MSIL (<i>see Annex 7 and Annex 6</i> respectively of Agenda)	The committee deliberated on the comments received from Ashok Leyland and MSIL and decided to incorporate these comments as they were in editorial in nature and process the documents for publication.

Sl. No.	IS Number & Title	Review Allotted to	Previous Meetings	Decision in 38 th Meeting
5	IS 11825:1986 Method of weightment of automotive vehicles	Member Secretary, TED 4	MS of TED 4 stated that Review is under process, upon completion it will be shared among the committee members for receipt of inputs. Status in 38th Meeting The document TED/04/20390 was sent for WC on 17/10/2022 for 30 days. One Comment was received from RNTBCI (<i>See Annex 8</i> of Agenda).	The committee deliberated on the comment received from RNTBCI and decided not to incorporate the comment and process the document for publication.
6	IS 11839:1986 Procedure for splash proof testing of automotive vehicles	Dr. N. Karuppaiah	Dr. N. Karuppaiah informed that review was completed and recommended for reaffirmation. Decision in 37th Meeting Committee decided to reaffirm the standard. As the competent Authority of BIS decided to revise all the pre 2000 standards. The member secretary will prepare a W.C draft and issue it wide circulation for 60 days. Status in 38th Meeting The document TED/04/20391 was sent for WC on 17/10/2022 for 30 days. No Comments were received.	As no comments were received the committee approved for processing the document for publication.
7	IS 11849:1986 Method of determination of Centre of Gravity of automotive vehicles	Member Secretary, TED 4	Review proforma and draft standard had been circulated among committee members for receipt of inputs comments were received from Ashok Leyland and Mahindra was enclosed in <i>Annex 15</i> of Agenda One Additional comment for modification of Scope is received from ARAI which is enclosed in <i>Annex 18</i> of Agenda Decision in 37th Meeting The committee decided to incorporate these comments and send the document for wide circulation for 60 days.	The committee deliberated on the comment received from MSIL and requested MSIL to modify the draft accordingly by incorporating the comments and sent to BIS secretariat for circulating among the committee members for further receipt of inputs.

Sl. No.	IS Number & Title	Review Allotted to	Previous Meetings	Decision in 38 th Meeting
			<p>Status in 38th Meeting The document TED/04/20200 was sent for WC on 14/11/2022 for 60 days.</p> <p>One comment was received from MSIL which is enclosed in Annex 31 of Agenda.</p>	
8	IS 11850:1998 Automotive vehicles - Odometer system - Method of evaluation (first revision)	Member Secretary, TED 4	<p>MS of TED 4 stated that Review is under process, Upon completion it will be shared among the for receipt of inputs</p> <p>Decision in 37th Meeting The committee noted the information.</p> <p>Status in 38th Meeting The review proforma and draft standard were circulated among the committee members on 26/09/2022 for receipt of inputs.</p> <p>No Comments were received. For further receipt of inputs document TED/04/20394 was send for WC for 30 days on 13/12/2022.</p> <p>One comment was received from Ashok Leyland which is enclosed in Annex 32 of Agenda.</p>	The committee deliberated on the comment received from Ashok Leyland and decided to incorporate the comment and process the document for publication.
9	IS 11851:1986 Method of evaluation of acceleration of automotive vehicles	Member Secretary, TED 4	<p>MS of TED 4 stated that Review proforma and draft standard had been circulated among committee members for receipt of inputs</p> <p>Decision in 37th Meeting As no comments were received on the p draft, the committee decided to send the document for wide circulation for 60 days.</p> <p>Status in 38th Meeting The document TED/04/20385 was sent for WC on 17/10/2022 for 60 days.</p>	<p>No Comments were received prior to meeting but during the meeting Ashok Leyland shared one comment https://docs.google.com/document/d/1IPW9j4yXY0Rhg-VHYahtvYZFdUOap5K1/edit?usp=sharing&oid=111788654711919004195&rtpof=true&sd=true</p> <p>The committee deliberated on the comment and decided not to incorporate the comment and process the document for publication.</p>

Sl. No.	IS Number & Title	Review Allotted to	Previous Meetings	Decision in 38 th Meeting
			No Comments were received	
10	IS 11865:2006 Automotive vehicles - Method of conducting waterproofing test (first revision)	Member Secretary, TED 4	MS of TED 4 Recommended for reaffirm this standard. Decision in 37th Meeting The Committee decided to reaffirm the standard as recommended. Status in 38th Meeting The standard had been reaffirmed.	The Committee noted the information
11	IS 11948:2010 Automotive vehicles - Steering effort - Method of evaluation (second revision)	Member Secretary, TED 4	MS of TED 4 recommended for reaffirm this standard. Decision in 37th Meeting The Committee decided to reaffirm the standard as recommended. Status in 38th Meeting The standard had been reaffirmed.	The Committee noted the information
12	IS 12105:2014 Methods of test for valves of automotive air brake Systems (First revision)	WABCO	WABCO representative promised that within 2 week they will submit the review analysis. Status in 38th Meeting Status Awaited	The committee requested Shri Sachin Deshmukh to expedite the review process and sent the draft to BIS Secretariat within 30 days.
13	IS 12222:2011 Automotive vehicles - Turning circle and maneuverability requirements (first revision)	Member Secretary, TED 4	MS of TED 4 Recommended for reaffirm this standard. Decision in 37th Meeting The Committee decided to reaffirm the standard as recommended. Status in 38th Meeting The standard had been reaffirmed.	The Committee noted the information
14	IS 12793:2012 / ISO 9130:2005 Motorcycles – Measurement method for location of center of gravity (first revision)	Member Secretary, TED 4	MS of TED 4 recommended for reaffirm this standard. Decision in 37th Meeting The Committee decided to reaffirm the standard as recommended. Status in 38th Meeting The standard had been reaffirmed.	The committee noted the information.

Sl. No.	IS Number & Title	Review Allotted to	Previous Meetings	Decision in 38 th Meeting
15	IS 12821: 2017 Automotive vehicles - Braking systems, tube connections - Dimensions	SIAM	SIAM recommended for Reaffirm this standard. The Committee decided to reaffirm the standard as recommended. Status in 38th Meeting The standard had been reaffirmed.	The committee noted the information.
16	IS 12831:1989 Automotive vehicles - Braking systems – Banjo bolt connections - Dimensions	SIAM	SIAM recommended for Reaffirm this standard. Decision in 37th Meeting Committee decided to reaffirm the standard as of now. As the competent Authority of BIS decided to revise all the pre 2000 standards. The member secretary will prepare a W.C draft and issue it wide circulation for 60 days. Status in 38th Meeting The review proforma and draft standard were circulated among the committee members on 16/10/2022 for receipt of inputs. No Comments were received.	As no comments were received the committee approved for processing the document for Wide circulation for 60 days
17	IS 12832:2010 Automotive vehicles - Interior noise - Method of measurement and requirements (First Revision)	ARAI	Inputs received for reaffirmation with editorial changes were enclosed in Annex 14 of Agenda. Committee decided to reaffirm the standard and Authorized member secretary to carry out with editorial corrections as suggested by ARAI by preparing the Amendment and sent it for wide circulation. Status in 38th Meeting The document TED/04/21428 was sent for WC on 13/12/2022 for 30 days. One comment was received from Ashok Leyland which is enclosed in Annex 33 of Agenda.	The committee deliberated on the comment received from Ashok Leyland and decided to incorporate the comment only mentioned in a) and a-1) of clause 14.2 (see below mentioned link) and not to accede with remaining comments and process the document for publication. Please copy the link provided and paste it in any browser to access the document https://docs.google.com/document/d/1eVK88aDQSbRXIGkyU1kxtaFKqK8P8Rji/edit?usp=sharing&oid=111788654711919004195&rtpof=true&sd=true

Sl. No.	IS Number & Title	Review Allotted to	Previous Meetings	Decision in 38 th Meeting
18	IS 12851:1989 Automotive vehicles - Hydraulic brake systems tubing's - Performance requirements	SIAM	SIAM recommended for Reaffirmation, Committee decided to reaffirm the standard as of now. As the competent Authority of BIS decided to revise all the pre 2000 standards. Status in 38th Meeting The review proforma and draft standard were circulated among the committee members on 16/10/2022 for receipt of inputs. No comments were received,	The committee approved for processing the document for WC for 60 days.
19	IS 13207:1991 Automotive vehicles - Hydraulic braking systems Wheel cylinder performance requirements	Brakes India Ltd	Decision in 37th Meeting The BIL has informed the committee that they have completed the review and will share the detailed analysis to BIS Secretariat. Status in 38th Meeting BIL recommended for Reaffirmation of Standard. The detailed analysis was enclosed in Annex 26 of Agenda. As the competent Authority of BIS decided to revise all the pre 2000 standards. The member secretary circulated the draft among committee members for receipt of inputs on 28/12/2022.	The committee approved for processing the document for WC for 60 days.
20	IS 13224:1991 Automotive vehicles - Hydraulic braking systems - Master cylinder - Performance requirements	Member Secretary, TED 4	Review is under process, Upon completion it will be shared among the committee members for receipt of inputs Decision in 37th Meeting BIL volunteered for review analysis. The committee appreciated that and decided to transfer the work of review analysis to BIL from MS of TED 4.	The committee noted the information.

Sl. No.	IS Number & Title	Review Allotted to	Previous Meetings	Decision in 38 th Meeting
			<p>Status in 38th Meeting BIL recommended for reaffirmation of standard but competent Authority of BIS decided to revise all the pre 2000 standards.</p> <p>As the competent Authority of BIS decided to revise all the pre 2000 standards. The member secretary will prepare a draft and circulate it among committee members for receipt of inputs.</p>	
21	IS 13225:1992 Automotive vehicles - Hydraulic braking systems - Rubber cups - Specification	Member Secretary, TED 4	<p>Review is under process, Upon completion it will be shared among the committee members for receipt of inputs</p> <p>Decision in 37th Meeting BIL volunteered for review analysis. The committee appreciated that and decided to transfer the work of review analysis to BIL from MS of TED 4.</p> <p>Status in 38th Meeting BIL recommended for reaffirmation of standard but competent Authority of BIS decided to revise all the pre 2000 standards.</p> <p>As the competent Authority of BIS decided to revise all the pre 2000 standards. The member secretary circulated the draft among committee members for receipt of inputs on 12/12/2022.</p> <p>No Comments were received</p>	As no comments were received the committee approved for processing the document for WC for 60 days.
22	IS 13363: 2017 Automotive vehicles - Air brake systems - Performance requirements for drain valves	WABCO	<p>WABCO representative promised that within 2 week they will submit the review analysis.</p> <p>Status in 38th Meeting Status Awaited</p>	The committee requested Shri Sachin Deshmukh to expedite the review process and sent the draft to BIS Secretariat within 30 days.
23	IS 13476:2006	Rane TRW	Rane TRW recommended for Reaffirmation.	The committee noted the information.

Sl. No.	IS Number & Title	Review Allotted to	Previous Meetings	Decision in 38 th Meeting
	Automotive vehicles - Mechanical steering gear - Methods of test (first revision)		<p>Decision in 37th Meeting</p> <p>Committee decided to reaffirm the standard as recommended</p> <p>Status in 38th Meeting</p> <p>The standard had been reaffirmed.</p>	
24.	IS 14269:1995 Automotive vehicles - Integral power steering gear - Method of test	Rane TRW	<p>Review proforma and draft standard had been circulated among committee members for receipt of inputs</p> <p>As no comments were received on p draft, the committee decided to send the document for wide circulation for 60 days</p> <p>Status in 38th Meeting</p> <p>The document TED/04/20201 was sent for WC on 13/10/2022 for 60 days.</p> <p>No Comments were received</p>	As no comments were received the committee approved for processing the document for Publication.
25	IS 14283:1995 Automotive vehicles - Accelerator control systems - Safety requirements	Member Secretary, TED 4	<p>MS of TED 04 stated that review is under process, Upon completion it will be shared among the committee members for receipt of inputs.</p> <p>Status in 38th Meeting</p> <p>The review proforma and draft standard were circulated among the committee members on 15/10/2022 for receipt of inputs.</p> <p>No Comments were received</p>	As no comments were received the committee approved for processing the document for WC for 60 days.
26	IS 14346(Part 1):1996 Automotive vehicles - Passenger cars - Verification of driver's direct field of view: Part 1 Vehicle positioning for static measurement	SIAM	<p>SIAM Recommended for Reaffirmation,</p> <p>Committee decided to reaffirm the standard as of now. As the competent Authority of BIS decided to revise all the pre 2000 standards. The member secretary will prepare a W.C draft and issue it wide circulation for 60 days.</p> <p>Status in 38th Meeting</p> <p>The document TED/04/20404 was sent for WC on 17/10/2022 for 60 days.</p> <p>No Comments were received</p>	As no comments were received the committee approved for processing the document for Publication.

Sl. No.	IS Number & Title	Review Allotted to	Previous Meetings	Decision in 38 th Meeting
27	IS 14346(Part 2):1996 Automotive vehicles - Passenger cars - Verification of driver's direct field of view: Part 2 Method of Test	SIAM	SIAM Recommended for Reaffirmation, Committee decided to reaffirm the standard as of now. As the competent Authority of BIS decided to revise all the pre 2000 standards. The member secretary will prepare a W.C draft and issue it wide circulation for 60 days Status in 38th Meeting The document TED/04/20402 was sent for WC on 17/10/2022 for 60 days. No Comments were received	As no comments were received the committee approved for processing the document for Publication.
28	IS 14557:1998 Automotive vehicles - Cooling performance - Method of measurement	Member Secretary, TED 4	MS of TED 04 stated that Review is under process, Upon completion it will be shared among the committee members for receipt of inputs. Status in 38th Meeting The review proforma and draft standard were circulated among the committee members on 16/10/2022 for receipt of inputs. No Comments on the draft were received	As no comments on the draft were received. The committee approved for processing the document for WC for 60 days
29	IS 14664:2010 Automotive vehicles - Performance requirements and testing procedure for braking system of two and three wheeled motor vehicles (first revision)	Bajaj Auto Limited	Status Awaited Status in 38th Meeting BAL recommended for reaffirmation.	The committee deliberated and decided to reaffirm the standard.
30	IS 14785:2000 Automotive vehicles - Determination of road-load	ARAI	Inputs received were enclosed in Annex 13 of Agenda The chairman appreciated the review work done by Shri Akbar Badusha, ARAI and also requested all the	The chairman briefed the current status of review of IS 14785 to the committee members and informed that after completion of review the draft will be sent to BIS

Sl. No.	IS Number & Title	Review Allotted to	Previous Meetings	Decision in 38 th Meeting
	constants by coast down test method		members to share their inputs with ARAI. Based on inputs received the committee recommended ARAI to finalize the draft and sent it BIS, so that it can be issued in for wide circulation for 60 days. Status in 38th Meeting Status Awaited	Secretariat for further processing.
31	IS 15702:2006 Automotive vehicles - Air Brake hose - Specification	Member Secretary, TED 4	MS of TED 04 recommended for Reaffirmation Committee decided to reaffirm the standard as recommended. Status in 38th Meeting The standard had been reaffirmed.	The committee noted the information.
32.	IS 15708:2006 ISO 6312:2001 Road vehicles - Brake linings - Shear test procedure for disc brake pad and drum brake shoe	Member Secretary, TED 4	Recommended for Reaffirm, Decision in 37th Meeting Committee decided to reaffirm the standard as recommended Status in 38th Meeting The standard had been reaffirmed.	The committee noted the information.

4.3 Standards due for review in 2022-2023

Due for review in 2022-2023 till March 2023	Decision in 38 th Meeting
IS 10278 : 2018 Motorcycles - Measurement of maximum speed (Third Revision)	The committee deliberated and decided to Reaffirm the Standard
IS 12159 : 2018 Method of evaluation of accuracy of parameters of steering geometry of automotive vehicles (Second Revision)	The committee deliberated and decided to Reaffirm the Standard
IS 11852 : 2013 Automotive Vehicles - Uniform Provisions Concerning the Approval of Vehicles of Categories M, N and T with Regard to Braking	This standard is revised as IS 11852: 2019 but since IS 11852: 2013 is notified in CMVR so for the time being IS 11852: 2013 may be reaffirmed.

4.4 Standards due for review in 2023-2024

IS Number	IS Title	Decision in 38 th Meeting
IS 11827 : 2008	Automotive vehicles - Calibration of speedometer - Method of evaluation (Second Revision)	The committee deliberated and decided to Reaffirm the Standard
IS 14610 : 1999	Automotive vehicles - Fuel consumption on chassis dynamometer – Method of measurement	Responsibility of Review was assigned to ICAT
IS 3028 : 1998	Automotive vehicles - Noise emitted by moving vehicles - Method of measurement (Second Revision)	The F draft of Revision of IS 3028 (Part 2) is under publication, Upon publication IS 3028: 1998 will be withdrawn.
IS 7079 : 2008	Automotive vehicles - Brake hose assemblies for hydraulic braking systems used with non - Petroleum base brake fluid specification (Third Revision)	Responsibility of Review was assigned to M/S Brake India Ltd
IS 9211 : 2003	Terms and definitions of weights of road vehicles other than 2 and 3 wheelers (Second Revision)	Responsibility of Review was assigned to M/S Tata Motors Ltd
IS 15783 : 2008	Road vehicles - Brake control levers for two and three wheeled motor vehicles - Specification	Responsibility of Review was assigned to M/S HMCL
IS 12218 : 2018	Method of measurement of approach, departure and ramp angles of automotive vehicles (First Revision)	Responsibility of Review was assigned to M/S Tata Motors Ltd
IS 3028 (Part 3) : 2018	Automotive vehicles - Noise emitted by moving vehicles - Specification and method of measurement: Part 3 L 5 category	The committee deliberated and decided to Reaffirm the Standard
IS 3028 (Part 1) : 2018	Automotive vehicles - Noise emitted by moving vehicles - Specification and method of measurement: Part 1 L 2 category	The committee deliberated and decided to Reaffirm the Standard
IS 2742 (Part 6) : 2018	Automotive vehicles - Brake linings: Part 6 compressive strain test methods	Responsibility of Review was assigned to M/S Sundaram Brake Linings Limited, Chennai
IS 2742 (Part 7) : 2018	Automotive vehicles - Brake linings: Part 7 shear test procedure for disc brake pad and drum brake shoe assemblies	Responsibility of Review was assigned to M/S Sundaram Brake Linings Limited, Chennai
IS 13249 : 2014	Automotive vehicles - Braking systems - Rubber seal for disc brake cylinder - Performance requirements (First Revision)	Responsibility of Review was assigned to M/S Brake India Ltd
IS 13603 : 2014	Automotive vehicles - Air brake systems - Performance requirements for brake chamber (First Revision)	Responsibility of Review was assigned to M/S ZF Commercial Vehicle Control Systems India Limited, Pune
IS 13604 : 2014	Automotive vehicles - Air brake systems - Performance requirements for dual brake valve (First Revision)	Responsibility of Review was assigned to M/S ZF Commercial Vehicle Control Systems India Limited, Pune

IS 16137 (Part 1) : 2014	Automotive vehicles - Methods of measurement of braking coefficient of road surfaces: Part 1 SRTT method	Responsibility of Review was assigned to ICAT
IS 16137 (Part 2) : 2014	Automotive vehicles - Methods of measurement of braking coefficient of road surfaces	Responsibility of Review was assigned to ICAT
IS 11852 : 2019	Automotive vehicles - Uniform provisions concerning the approval of vehicles of categories m2, m3, N and t with regard to braking (Third Revision)	Responsibility of Review was assigned to ARAI
IS 11877 : 2019	Automotive Vehicles — Maximum Speed of Automotive Vehicles — Method of Evaluation (First Revision)	Responsibility of Review was assigned to ARAI
IS 17132 : 2019	Guideline Specifications for Replacement Brake Lining Assemblies and Drum Brake Linings for Power-Driven Vehicles and Their Trailers	Responsibility of Review was assigned to M/S BIL & M/S Rane TRW Steering Systems Limited
IS 17128 (Part 1) : 2019	Automotive vehicles - vehicle dynamics test methods: Part 1 general test conditions	Responsibility of Review was assigned to Shri Kailash Jat, Mahindra and Mahindra Limited.
IS 17128 (Part 2) : 2019	Automotive Vehicles - Vehicle Dynamics Test Methods Part 2 Steady-State Test Procedure for Vehicle Stability and Controllability - Open-Loop and Closed Loop Test	Responsibility of Review was assigned to Shri Kailash Jat, Mahindra and Mahindra Limited

ITEM 5 INTERNATIONAL ACTIVITIES

The committee noted the information given in the Agenda and committee requested M/S Bosch Chassis Systems India Private Limited, Pune to review for upgradation of the Membership status from O to P Membership in ISO/TC 22/SC 33 Vehicle dynamics and chassis components

ITEM 6 HARMONIZATION OF INDIAN STANDARDS

Transport Engineering Division Council has given the directive that each Sectional Committee should examine the status of harmonization of Indian Standards with UNECE regulations/GTR.

ITEM 7 DATE AND PLACE FOR THE NEXT MEETING

The committee decided to have next Sectional Committee Meeting in the month of April whereas date and time of the meeting will be finalized in consultation with the Chairman.

ITEM 8 ANY OTHER BUSINESS

There being No other comments/proposals, the meeting ended with a vote of thanks by/to the Chairman.