



भारतीय मानक ब्यूरो  
**BUREAU OF INDIAN STANDARDS**

**MINUTES**




Name of the Committee	No. of Meeting	Date & Day of the meeting	Time	Hybrid Meeting
Metallography and Heat treatment Sectional Committee, MTD-22	20 <sup>th</sup>	21 <sup>st</sup> June 2024 Friday	14:00 hrs	<b>Venue:</b> Room No. 204, Manakalaya, Bureau of Indian Standards, 9 Bahadur Shah Zafar Marg, ITO, New Delhi, 110002 <b>Meeting link :</b> <a href="https://bismanak.webex.com/bismanak/j.php?MTID=mc681aaa4c212e8601f54cf400ea81638">https://bismanak.webex.com/bismanak/j.php?MTID=mc681aaa4c212e8601f54cf400ea81638</a> <b>Meeting ID:</b> 2510 694 0168 <b>Password:</b> mtd22

**Chairman:** Dr. Amit Bhattacharjee

**Member Secretary:** Smt. Challakonda Vidisha

**ATTENDANCE**

Sl. No.	Name of the organization	Represented by	Present/Absent
1.	Defence Metallurgical Research Laboratory, Ministry of Defence, Hyderabad	Dr. Amit Bhattacharjee ( <b>Chairman</b> ) <b>Alternate Member :</b> Shri Chandan Mondal <b>Alternate Member :</b> Shri Vivek Kumar Chandravanshi	Present (virtually)
2.	Bharat Forge Limited, Pune	<b>Principal Member :</b> Smt. Swapna Naik <b>Alternate Member :</b> Shri Sagar Bapat	Present (virtually)
3.	Bharat Heavy Electrical Limited, New Delhi	<b>Principal Member :</b> Shri Vemana Uday Kumar <b>Alternate Member :</b> Shri Varun Panwar	Absent
4.	Caterpillar India Private Limited, Chennai	<b>Principal Member :</b> Shri Sakthivelan S	Absent
5.	Directorate General of Quality Assurance, Ministry of Defence, Ichapur	<b>Principal Member :</b> Shri P Sundharajan <b>Alternate Member :</b> Dr. Jana Bhattacharaya Roy	Present (virtually)

		<p>1. ISO 3763 adaptation in 'as is' content is not recommended. IS 10138 has used additional illustrative images which brings clarity to the standard (e.g., Fig 1 and Fig 3)</p> <p>2. IS 10138 is recommended to be revised with the corrections as mentioned in the attached file.</p> <p> Review by Dr Manashi.docx</p> <p>The committee decided to revise IS 10138 by incorporating the changes suggested by Dr. Manashi Adhikary and to circulate the draft document as a P draft for a period of 2 weeks and if no comments/recommendations are received, to wide circulate the document for 30 days.</p>	<p>previous TC meeting.</p> <p>The Member Secretary has submitted the draft of amendment to IS 10138:2010 during the TC meeting. The draft document is placed below :</p> <p> Draft Amendment IS 10138.docx</p> <p><b>The committee may please note and decide.</b></p>	
32.	<p>ISO 2624: 1990 Copper and copper alloys - Estimation of average grain size</p>	<p>Since, this method is required in many standards of MTD 08.</p> <p>Member secretary requested members to provide the comments and views before 24 February 2024. In case no comments are received from your side the draft document adopting ISO 2624 : 1990 as a new standard will be sent to wide circulation for a period of 60 days after chair approval.</p> <p>Dr Manashi Adhikary provided comments placed below :</p> <p>1. In introduction section, definition of grain has been mentioned as an area within the boundary of a crystal. Technically this may be reviewed as a grain can have multiple unit cell (single crystal) oriented in same direction.</p>	<p>The document <b>MTD/22/25480</b> (Identical To: ISO 2624:1990) was wide circulated on 1<sup>st</sup> May 2024.</p> <p>Comments received were circulated amongst the committee members for their comments and views via mail dated 4<sup>th</sup> June 2024.</p> <p> ISO 2624 comments email.pdf</p>	<p>The committee decided to finalize the document <b>MTD/22/25480</b> and send for printing.</p>

	<p>2. The logic mentioned in index 1 can be detailed out (as to why multiplication factor of 1.13 is to be used)</p> <p>3. Section 4.3.1 mentions about 200 grains as referee purpose. Detailing of what is a normal purpose and what is a referee purpose may be added for clarity.</p> <p>The committee decided to adopt ISO 2624: 1990 and prioritized as Priority-1 as this standard is related to standards for which QCO is notified. The committee decided to wide circulate the draft document for a period of 30 days and to finalize and send it for printing if no comments were received/comments received were editorial in nature.</p>	<p>The committee may deliberate and decide.</p>	
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#### Item 4 DRAFT STANDARDS/AMENDMENTS FOR FINALIZATION

The committee decided to finalize the following documents and send them for printing.

Sl. no.	Doc no. / IS no./ ISO no.	Title
1.	IS 15839: 2021/ ISO 13520: 2015 (MTD/22/25015)	Determination of ferrite content in austenitic stainless-steel castings (Second Revision)  Please refer Sl. No. 29 of ATR
2.	ISO 2624: 1990 (MTD/22/25480)	Copper and copper alloys - Estimation of average grain size  Please refer Sl. No. 32 of ATR

#### Item 5 DRAFT STANDARD/ AMENDMENTS FOR APPROVAL FOR WIDE CIRCULATION

The committee decided to wide circulate the following amendment.

Sl. no.	Doc no. / IS no./ ISO no.	Title