

सं/No. Track/21/2004/0902/7 Vol.III

दिनांक/Date: 15.02.2023

**PCEs, All Indian Railways.  
CAO/Cs All Indian Railways.**

**विषय/Sub: Comprehensive instructions of USFD Testing of rails/  
welds and its outsourcing.**

**संदर्भ/Ref:** Board's letter of even no. dated 20.06.2022.

1. In regard to the above mentioned subject and reference, Comprehensive instructions of USFD Testing of rails/welds and its outsourcing were issued.

2. Since sufficient vendors have been developed for B-Scan machines equipped with 9 Channels SRT/DRT for rail testing, the para I. 1 of the letter under reference is modified as under:

**I. Departmental USFD Testing:**

1. USFD testing with B-Scan has been started on 'A'-route and all Railways are advised to switch over to rail testing with 9 channels B-Scan by 31.03.2023 on all routes. Procurement of required no of SRT/DRT with B-Scan machines equipped with 9 Channels SRT/DRT is only to be done for departmental rail testing. However existing machines of B-Scan 7 channel can be utilized for maintenance spares and testing on non important lines. Testing of Welds can be continued with A-Scan machines till the time B-Scan machines are made available.

All other para of the letter under reference will remain unchanged.

3. Further, procurement of 641, B-Scan machines equipped with 9 Channels SRT/DRT for rail testing is to be done immediately by Zonal Railways as per quantity given in Annexure. This work may be chargeable to the Track Renewal and other available Estimates available.

This issues with the approval of Board (MI & MF).

DA: As above.

  
15/2/23  
(Alok Kumar)

**Director/Track (P&P)  
Railway Board**

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**प्रतिलिपि/Copy to:**

1. DG/IRICEN, Pune- for information please.
2. PED/Infra-I, RDSO- for information please

**Requirement of USFD Machines**

<u>Rly</u>	CR	ER	ECR	ECOR	NR	NCR	NER	NFR	NWR	SR	SCR	SER	SECR	SWR	WR	WCR	Total
A Scan	12	45	31	5	41	16	30	10	19	5	30	21	28	21	35	12	361
B Scan	28	0	18	13	22	6	14	19	8	40	13	24	6	2	53	14	280
Total Available (A Scan+ B Scan)	40	45	49	18	63	22	44	29	27	45	43	45	34	23	88	26	641
Total m/c Required	40	45	49	18	63	22	44	29	27	45	43	45	34	23	88	26	641
Balance B Scan to be procured	40	45	49	18	63	22	44	29	27	45	43	45	34	23	88	26	641

- Total A scan available – 361 , Total B scan available -280.
- Total requirement of USFD m/c – 641.
- B Scan (9 Channel) to be procured = 641.
- 280 no. B scan available presently will be utilized against maintenance requirement and on non important lines.

