

SOUTH CENTRAL RAILWAY

Headquarters Office,
Works Branch /RN,
Secunderabad.
Date:- 13 - 11 - 2025.

W.507/Genl/USFD/XXVI/2

Sr.DEN/Co-ord/ SC, BZA, GTL, GNT, HYB & NED

Sub: System improvement in regard to working of USFD testing of Rails –Reg.

Ref: Dy.CVO/Engg Ir. No.G.265/V/E/2024/02/00001 dt: 09-7-24

The following System improvement measures are to be implemented immediately with regard to working of USFD testing of Rails/Welds.:

1. As per para No. 3.3.3 & 3.3.4 of USFD Manual -2022 ,”due to frequent misalignment of probes on the fish plated joints and limitation of bolt holes cracks unfavourable orientation and size , it is desirable to deploy double rail testers on LWR/CWR sections. it is desirable to deploy only the ‘single rail tester (SRT) ultrasonic testing machines for testing of sections other than LWR/CWR”.

In view of above, divisions are advised to scrupulously follow the instructions given above duly deploying Double rail tester on LWR/CWR sections ensuring safety precautions while working the DRT machine.

2.In case of Departmental USFD testing, data of B-Scan should be kept preserved as a permanent record for last 3 recordings of the section, *preservation of Rail testing data of Agency for a period of 3 years shall be available and in case of fracture, the same should be analyzed and action taken accordingly. (RB letter No. 2017/Track-I(P) /9(2) Vol-III dt.13.02.2024), (RB letter No. 2017/Track/21/2004/0902/7 Vol-III dt: 20.06.2022).*

In view of above, it may be ensured that departmental USFD testing data of B-Scan shall be kept preserved as a permanent record for last 3 recordings of the section and Rail testing data of Outsourcing Agency for a period of 3 years and shall be available with SSE/USFD/In-charge office.

Accordingly, divisions are advised to ensure the above and in case of a fracture the same should be analyzed and action taken accordingly

In this connection, divisions are advised to upgrade with the post processing software for all the SRT/DRT machines with the latest software for generation of exception report from rail testing data as advised by Rly. Bd. vide Lr.dated : 30.10.2025.

3. In order to ensure robustness of working of USFD systems all the times the following verification are to be ensured without fail:

(A) Self certification : Maintaining Self Certification Register of testing done date wise and self-certify that the testing done by him is verified and the same is entered in TMS with signature is to be continued as regular measure.

(B) (i) Inter/Intra-divisional Cross-Verification :

20% of Inter-divisional Cross-Verification of the testing done by other division is to be carried out **ONCE** in a month as per the programme given earlier.;ie

(P.T.O)

As such, pairing of the divisions shall be done as given below :

S.No	Division	Cross checked by
1	SC	HYB, GNT
2	BZA	GTL
3.	GTL	BZA
4.	GNT	SC
5.	HYB	SC
6.	NED	HYB

(ii) **Intra – divisional Cross Verification :**

10% cross verification is to be carried out by different PWI/USFD within the division **ONCE in a month** of the testing done of a section.

Strict compliance to the above is to be ensured and monthly report to be submitted to this office every month along with monthly PCDO.


(P.C.Rudra Moorthy)
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For Chief Track Engineer