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CORRIGENDUM/ADDENDUM SLIP NO.1
SPECIFICATION NO. IRS: TC 82-2005.
FOR UNIVERSAL WAY SIDE DTMF CONTROL TELEPHONE

A. Hence forth, the under-mentioned existing clauses shall be read as: -

<u>EXISTING CLAUSE</u>	<u>AMENDED CLAUSE</u>
(i) Cl.0.3 (Page 3 of 25) IS: 4800 (Pt.I) – Enamelled Winding Wire.	IS: 13730 – Pt.13 dual coated Synthetic enamelled winding wire.
(ii) ITI/D/2733 - Cordage PVC for long cord. (With latest amendment)	ITI/D-2733 (with latest amendment) Cordage PVC for line cord
(iii) Cl. 4.3.2.6 (Page 7 of 25) Synthetic enamelled winding wire complying to IS: 4800 Pt.I shall be used.	Dual coated synthetic enamelled winding wire complying to IS: 13730 Pt.13 shall be used.
<u>(iv) Existing Clause No. 5.2.2.1 (a) (Page 9 of 25) – 4 Wire testing (selector switch shall be on 4 wire side) fig 1 (a) -</u> The Transmitter of the telephone shall be removed and the receiver replaced by a non-inductive resistance of 200 ohms terminals B1 & B2 are to be connected to a 12V battery with proper polarity. The oscillator level shall be adjusted such that it is –44dBm at 1000Hz measured across the terminals T1 & T2. Trans Terminals of rosettee box shall be Terminated by non-inductive resistance of 1120 ohms. The level across 1120 ohms shall be greater than 0 (zero) dBm and total Harmonic distortion shall not be more than 3%.	

Amended Clause No. 5.2.2.1 (a) (Page 9 of 25) -4 Wire testing (selector switch shall be on 4 wire side) fig 1 (a) - The Transmitter of the telephone shall be removed and the receiver replaced by a non-inductive resistance of 200 ohms and terminals B1 & B2 are to be connected to a 12V battery with proper polarity. The oscillator level shall be adjusted such that it is –44dBm at 1000Hz measured across the terminals T1 & T2. Trans Terminals of rosettee box shall be terminated by non-inductive resistance of 1120 ohms.

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The level across 1120 ohms shall be greater than 0 (zero) dBm and total Harmonic distortion shall not be more than 3% **when the PTT microswitch is pressed.**

(v) Existing Clause No. 5.2.2.2 – 2 Wire testing (selector switch shall be on 2 Wire side) – Fig1 (b).

The transmitter of the telephone shall be removed and the receiver replaced by a non-inductive resistance of 200 ohms. Terminals B1 & B2 are to be connected to a 12V battery with proper polarity. The oscillator level shall be adjusted such that it is – 44dBm at 1000 Hz measured across the terminals T1 & T2. L1 & L2 terminals of rosettee box shall be terminated by non-inductive resistance of 600 ohms. The level across L1 & L2 shall be greater than 0 (zero) dBm and total Harmonic distortion shall not be more than 3%.

Amended Clause No. 5.2.2.2 – 2 Wire testing (selector switch shall be on 2 Wire side) – Fig.1 (b).

The transmitter of the telephone shall be removed and the receiver replaced by a non-inductive resistance of 200 ohms. Terminals B1 & B2 are to be connected to a 12V battery with proper polarity. The oscillator level shall be adjusted such that it is – 44dBm at 1000 Hz measured across the terminals T1 & T2. L1 & L2 terminals of rosettee box shall be terminated by non-inductive resistance of 600 ohms. The level across L1 & L2 shall be greater than 0 (zero) dBm and total Harmonic distortion shall not be more than 3% **when the PTT microswitch is pressed.**

(vi) Existing Clause No. 5.2.5.2 (a) OFF Hook Condition (4 Wire)

With the same set up as in fig 4 (a), the oscillator level is set to 0 dBm across 1120 ohms without the telephone being connected. Then trans and receive terminals are connected to 1120 ohm. The drop in the reading of the level meter shall not be greater than 1.0 dB in both the cases.

Amended Clause No. 5.2.5.2 (a) OFF Hook Condition (4 Wire):

With the same set up as in fig 4 (a), the oscillator level is set to 0 dBm across 1120 ohms without the telephone being connected and the trans and receive terminals are connected to 1120 ohm. The drop in the reading of the level meter

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shall not be greater than 1.0 dB in both the cases **when the hand set is in OFF Hook position.**

(vii) Existing Clause. 5.2.5.2 (b) OFF Hook Condition (2 Wire)

With the same set up as in fig 4 (b), the oscillator level is set to 0dBm across 600 ohms without the telephone being connected. Then the L1 & L2 terminals are connected to 600 ohms. The drop in the reading of the level meter shall not be greater than 0.8dB

Amended Clause No. 5.2.5.2 (b) OFF Hook Condition (2 Wire):

With the same set up as in fig 4 (b), the oscillator level is set to 0dBm across 600 ohms without the telephone being connected and the L1 & L2 terminals are connected to 600 ohms. The drop in the reading of the level meter shall not be greater than 0.8dB **when the handset is in OFF Hook position.**

B. NEW CLAUSES ADDED IN THE SPECIFICATION ARE AS GIVEN BELOW:

(i) New Clause 4.2.5.2(C) (page 6 to 25)
4.2.5.2 – **Cradle & Press Talk switch**

**Cradle & Press to Talk
Switch. (PTT)**

A press to talk switch (PTT) microswitch shall be provided in the handset. On pressing PTT micro-switch the trans-amplifier output shall get connected to the line..

(ii) New Clause 5.2.5.2 (c) - **Talk condition (4 wire)** - With the set up as in fig.4 (b) oscillator level is set to 0dBm across 1120 ohms without the telephone being connected with the microswitch pressed in Press to Talk position, the drop in the reading of the level meter shall not be greater than 2.5dB.

(iii) New Clause 5.2.5.2 (d) **Talk condition (2 Wire)** With the same set up as in fig 4(b), the oscillator level will be set to 0 dBm across 600 ohms. With the micro switch pressed in PTT position, the drop in the reading of the level meter shall not be greater than 2.5dB.

---End of corrigendum/addendum---

No. STT/G/TCSC-32 (2004)

Dated: 07.10.2005

The General Manager (S&T),

1. Central Railway, CST, Mumbai
2. Eastern Railway, Fairly Place, Kolkata
3. Northern Railway, Baroda House, New Delhi
4. North Frontier Railway, Maligaon, Guwahati
5. North Eastern Railway, Gorakhpur
6. Southern Railway, Park Town, Chennai
7. South Central Railway, Rail Nilayam, Secunderabad
8. South Eastern Railway, Garden Reach, Kolkata
9. Western Railway, Churchgate, Mumbai
10. East Central Railway, Hajipur
11. North Western Railway, Jaipur.
12. North Central Railway, Allahabad
13. East Coast Railway, Bhubaneswar
14. West Central Railway, Jabalpur
15. South East Central Railway, Bilaspur
16. South Western Railway, Hubli.
17. The General Manager (S&T)/CORE, Nawab Yusuf Road, Civil Lines, Allahabad
18. The General Manager (S&T)/Metro Railway, Chowringhee Road, Kolkata.
19. The CPM, IRPMU, Behind Shanker Market, Near Shivaji Bridge New Delhi
20. The Director/IRISET, Tarnaka Road, Secunderabad.

Sub: Corrigendum/addendum Slip No.1 to the Specification No. IRS: TC 82-2005 for Universal Way Side DTMF Control Telephone.

Enclosed please find the corrigendum/addendum Slip No.1 to the Specification No. IRS: TC 82-2005 for Universal Way Side DTMF Control Telephone for your information please.

Enc: As above.

(M.K. Yadav)
For Director General/Telecom

Copy to: 1. The Secretary (Telecom), Railway Board, Rail Bhawan, New Delhi
for information please.

2. ED/QA (S&T), 4th Floor, Annexe-II, Manak Nagar, Lucknow.

3. The Director/Inspection (S&T), RDSO: -

- i) 4th Floor, West Wing, 17, N.S. Road, Kolkata-700001
- ii) IRCOT Complex, Behind Shanker Market, Near Shivaji Bridge, New Delhi-110001.
- iii) 1st Floor, New Annexe Bldg., Churchgate Station, Western Railway,. Mumbai-400020.
- iv) Ground Floor, DRM Office Bldg., Southern Railway, Bangalore-560023 for information and necessary action please.

4. Smt. Latika Singh, SE/Telecom, Telecom Directorate, RDSO, Lucknow for record.

Enc: As above.

(M.K. Yadav)
for Director General/Telecom

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अनुसंधान अभिकल्प और मानक संगठन
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पत्र संख्या-एसटीटी /जी /टीसीएससी-32 (2004)

दिनांक: 07.10.2005

महाप्रबंधक/संकेत एवं दूरसंचार

1. मध्य रेलवे, सीएसटी मुंबई
2. पूर्व रेलवे, फेयरली प्लेस, कोलकता
3. उत्तर रेलवे, बडौदा हाउस, नई दिल्ली
4. उत्तर सीमान्त रेलवे, मालीगाँव, गुवाहाटी
5. उत्तर पूर्व रेलवे, गोरखपुर
6. दक्षिण रेलवे, पार्क टाउन, चेन्नई
7. दक्षिण मध्य रेलवे, रेल निलायम, सिकन्दराबाद
8. दक्षिण पूर्व रेलवे, गार्डन रीच, कोलकता
9. पश्चिम रेलवे, चर्चगेट, मुंबई
10. पूर्व मध्य रेलवे, हाजीपुर
11. उत्तर पश्चिम रेलवे, जयपुर
12. उत्तर मध्य रेलवे, इलाहाबाद
13. पूर्वतट रेलवे, भुवनेश्वर
14. पश्चिम मध्य रेलवे, जबलपुर
15. दक्षिण पूर्व मध्य रेलवे, बिलासपुर
16. दक्षिण पश्चिम रेलवे, हुबली
17. महाप्रबंधक/संकेत एवं दूरसंचार, रेल विधुतीकरण, नवाब युसुफ रोड, इलाहाबाद
18. निदेशक /इरीसेट, तरनाका रोड, सिकन्द्राबाद
19. महाप्रबंधक/ संकेत एवं दूरसंचार, मेटो रेलवे, 33/1 चौरंगी रोड, कोलकता ।
20. सीपीएम, आईआरपीएमयू, शिवाजी ब्रिज, शंकर मार्केट के पीछे, नई दिल्ली ।

विषय: स्पेसिफिकेशन संख्या आईआरएस:टीसी 82-2005 यनिवर्सल वे
साइड डीटीएमएफ कन्टोल टेलीफोन का शुद्धिपत्र संख्या-1 ।

उपरोक्त विषय से संबंधित की प्रतिलिपि आपको सूचनार्थ हेतु प्रेषित है ।

(एम0 के0 यादव)
कते महानिदेशक /दूरसंचार

प्रतिलिपि:- सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित :-

1. सचिव /दूरसंचार, रेलवे बोर्ड, रेल भवन, नई दिल्ली को सूचनार्थ ।
2. कार्यकारी निदेशक/क्यूए-3 संकेत एवं दूरसंचार,अ.अ.मा.सां. अभिकल्प भवन,लखनऊ ।
3. निदेशक/निरीक्षण संकेत एवं दूरसंचार,अ0अ0मा0सं0 :-
 - चौथी मंजिल, वेस्ट विंग,17, एन.एस. रोड, कोलकता ।
 - पहली मंजिल, नया एनेक्सी बिल्डिंग, पश्चिम रेलवे, मुंबई
 - पहली मंजिल, इरकोट कम्पलेक्स, शंकर मार्केट के पीछे, नई दिल्ली
 - भूतल, डीआरएम आफिस बिल्डिंग, दक्षिण रेलवे, बंगलौर
- 4- श्रीमती लतिका सिंह, खण्ड अभियंता/दूरसंचार, अ.अ.मा.सां., लखनऊ रिकार्ड के लिये ।

संलग्न: उपरोक्त ।

(एम0के0यादव)
कते महानिदेशक /दूरसंचार