

SPECIFICATION BR 1623
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WEATHERPROOF LOUDPEAKING TELEPHONE FOR USE ON THE TRACKSIDE

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1. INTRODUCTION

This specification is issued by the Director of S & T Engineering, British Rail, Materials Management Group, Room 1103 Rail House, Gresty Road, Crewe, CW2 6EA; from whom further copies may be obtained.

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2. SCOPE

- 2.1. This Specification details the requirements for a weatherproof loudspeaking telephone which may be indirectly connected to British Rail's Private Branch Network.
- 2.2. The intended application will be to enable drivers of trains to communicate with signalmen without leaving their cab.

3. DEFINITIONS AND ABBREVIATIONS

- 3.1. For the purposes of this specification the words and phrases defined in the General, Special and Particular Conditions of Contract shall have the same meanings.
- 3.2. Glossary of Abbreviations

DTMF	Dual tone, multi-frequency
ISO	International Standards Organisation
MTBF	Mean time between failure
PSTN	Public switched telephone network
REN	Ringer equivalence number

4. REFERENCES

British Railways Specifications

- BR 892 Armouring of External cables.
- BR 886 External cables.
- BR 967 Railway Signalling Apparatus: Environmental Conditions.
- BR 1686 Protection of telecommunications equipment against electrical interference.

British Standard Specifications

- BS 308 Engineering drawing practice
- BS 631C Decorative Colours
- BS 3939 Graphical symbols for diagrams
- BS 4884 Technical manuals.
- BS 5420 Degrees of protection for enclosures
- BS 6305 General requirements for apparatus for connection to British Telecomm public switched network.
- BS 6317 Simple extension telephones for connection to the British Telecommunications public switched network.
- BS 6328 Apparatus for connection to private circuits.

British Telecom

- CW1308 Specification for Cables and Wires

The Telecommunications Act 1984.

5. APPROVAL REQUIREMENTS

- 5.1. The telephone shall be approved, under Section 22 of the Telecommunications Act 1984, to BS 6328 for connection to private circuits.
- 5.2. The telephone shall have been type approved by the Director of S&T Engineering, British Railways Board, for use on the BR network.