

**Fixed Radio Systems;
Generic wordings for standards on
DFRS (Digital Fixed Radio Systems) characteristics;
Part 1: General aspects and point-to-point
equipment parameters**



Reference

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Foreword

This Technical Report (TR) has been produced by ETSI Technical Committee Transmission and Multiplexing (TM).

The present document is part 1 of a multi-part deliverable covering the generic wording for standards on DFRS (Digital Fixed Radio Systems), as identified below:

Part 1: "General aspects and point-to-point equipment parameters";

Part 2: "Point-to-multipoint equipment parameters".

It is designed to provide the generic wording for standards (ENs) produced by ETSI WG TM4, concerning Digital Fixed Radio Systems (DFRS), formerly known as Digital Radio Relay Systems (DRRS) and point-to-point specific equipment.

The present document was originally published by TM as an internal document (TCTR 006-01), but since it has been found useful to refer to the content in other TM documents (standards and reports) it has been re-published as a TR. This has been done solely to make the content publicly available and no changes to the text have been made other than editorial changes.

This revision introduces a number of up-dating information following technology and regulatory evolution and the coming into force of new R&TTE Directive introducing, under article 3.2, the concepts of "essential requirements".

1 Scope

The present document defines the major issues for the standardization of the general aspects of Digital Fixed Radio Systems (DFRS) formerly known as Digital Radio Relay Systems (DRRS) and for point-to-point specific equipment parameters, in order to maintain a generic format for the editorial and technical contents. It is also essential to maintain a common understanding of the reasons behind the way certain parameters are defined among the various DFRS standards, which deal with the same general topics and may differ from each other merely from the point of view of numerical requirements. The present document therefore also explains the reasoning behind why the parameters in DFRS standards are defined in the way they are.

The present document aims to cover every issue that may be required. Specific standards may differ from the guidelines contained within the present document only if the specific argument is not covered or there is good technical reason for not following them.

2 References

For the purposes of this Technical Report (TR) the following references apply:

- [1] ETSI EN 301 126-1: "Fixed Radio Systems; Conformance testing; Part 1: Point-to-point equipment - Definitions, general requirements and test procedures".
- [2] ETSI SR 001 262: "ETSI drafting rules".

A list of suggested reference documents for the production of DFRS ENs are given in appendix A.

3 Definitions and abbreviations

3.1 Definitions

For the purposes of the present document, the terms and definitions relevant to conformance test requirements and test typology given in EN 301 126-1 [1] apply.

3.2 Abbreviations

For the purposes of the present document, the following abbreviations apply:

DRRS	Digital Radio Relay System
DFRS	Digital Fixed Radio System

4 Basis for reference

- a) Appendix A of the present document forms a template to be used during the elaboration of DFRS standards (ETS/EN). Appendix B of the present document provides additional guidance on the use of the template document and the clause numbering in appendix B follows the numbering in appendix A so, for example:
 - clause B.5.2 (appendix B) offers guidance on the elaboration of clause A.5.2 (appendix A);
 - B.annex B (appendix B) offers guidance on the elaboration of A.annex B (appendix A).