PowerLine Telecommunications (PLT);
Coexistence of Narrow Band PLT technologies operating in the frequency bands 3kHz to 95 kHz, 95 kHz to 125 kHz and 125 kHz to 140 kHz;
[IEEE Std 1901.2TM - 2013, IEEE Standard for Low-Frequency (less than 500 kHz) Narrowband Power Line Communications for Smart grid Applications, Section 10 Coexistence]
Contents

Intellectual Property Rights .......................................................................................................................... 4
Foreword........................................................................................................................................................... 4
Modal verbs terminology................................................................................................................................. 4
1 Scope ............................................................................................................................................................ 5
2 References .................................................................................................................................................. 5
  2.1 Normative references ............................................................................................................................... 5
  2.2 Informative references ............................................................................................................................. 5
Endorsement notice ......................................................................................................................................... 6
History............................................................................................................................................................... 7
Intellectual Property Rights

IPRs essential or potentially essential to the present document may have been declared to ETSI. The information pertaining to these essential IPRs, if any, is publicly available for ETSI members and non-members, and can be found in ETSI SR 000 314: "Intellectual Property Rights (IPRs): Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards", which is available from the ETSI Secretariat. Latest updates are available on the ETSI Web server (http://ipr.etsi.org).

Pursuant to the ETSI IPR Policy, no investigation, including IPR searches, has been carried out by ETSI. No guarantee can be given as to the existence of other IPRs not referenced in ETSI SR 000 314 (or the updates on the ETSI Web server) which are, or may be, or may become, essential to the present document.

Foreword

This Technical Specification (TS) has been produced by ETSI Technical Committee Powerline Telecommunications (PLT).

Modal verbs terminology

In the present document "shall", "shall not", "should", "should not", "may", "need not", "will", "will not", "can" and "cannot" are to be interpreted as described in clause 3.2 of the ETSI Drafting Rules (Verbal forms for the expression of provisions).

"must" and "must not" are NOT allowed in ETSI deliverables except when used in direct citation.
1 Scope

The present document provides the requirements to support coexistence within the frequency band 3kHz up to 95 kHz, sub-band above 95 kHz up to 125 kHz and sub-band above 125 kHz up to 140 kHz as given in CENELEC EN 50065-1 [i.7] (also referred to as the CENELEC A band, B and C bands), for the following standards:

- IEEE Std 1901.2™ [1].
- IEC 61334-3-1 [i.1].
- IEC 61334-4-32 [i.2].
- IEC 61334-5-1 [i.3].
- IEC 61334-5-2 [i.4].
- ISO/IEC 14543-3-5 [i.5].
- ISO/IEC 14908-3 [i.6].

2 References

2.1 Normative references

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the reference document (including any amendments) applies.

Referenced documents which are not found to be publicly available in the expected location might be found at http://docbox.etsi.org/Reference.

NOTE: While any hyperlinks included in this clause were valid at the time of publication, ETSI cannot guarantee their long term validity.

The following referenced documents are necessary for the application of the present document.


2.2 Informative references

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the reference document (including any amendments) applies.

NOTE: While any hyperlinks included in this clause were valid at the time of publication, ETSI cannot guarantee their long term validity.

The following referenced documents are not necessary for the application of the present document but they assist the user with regard to a particular subject area.

[i.1] IEC 61334-3-1: "Distribution automation using distribution line carrier systems - Part 3-1: Mains signalling requirements - Frequency bands and output levels".

[i.2] IEC 61334-4-32:" Distribution automation using distribution line carrier systems - Part 4: Data communication protocols - Section 32: Data link layer - Logical link control (LLC).

[i.3] IEC 61334-5-1: "Distribution automation using distribution line carrier systems - Part 5-1: Lower layer profiles - The spread frequency shift keying (S-FSK) profile".

[i.4] IEC 61334-5-2: "Distribution automation using distribution line carrier systems - Part 5-2: Lower layer profiles - Frequency shift keying (FSK) profile".
[i.5] ISO/IEC 14543-3-5: "Information technology -- Home electronic system (HES) architecture -- Part 3-5: Media and media dependent layers -- Power line for network based control of HES Class 1".


[i.7] CENELEC EN 50065-1: "Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148.5 kHz - Part 1: General requirements, frequency bands and electromagnetic disturbances".

Endorsement notice

All elements of Section 10, IEEE Std 1901.2TM [1] - 2013: "IEEE Standard for Low-Frequency (less than 500 kHz) Narrowband Power Line Communications for Smart grid Applications" coexistence apply.
## History

<table>
<thead>
<tr>
<th>Document history</th>
</tr>
</thead>
<tbody>
<tr>
<td>V1.1.1</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>