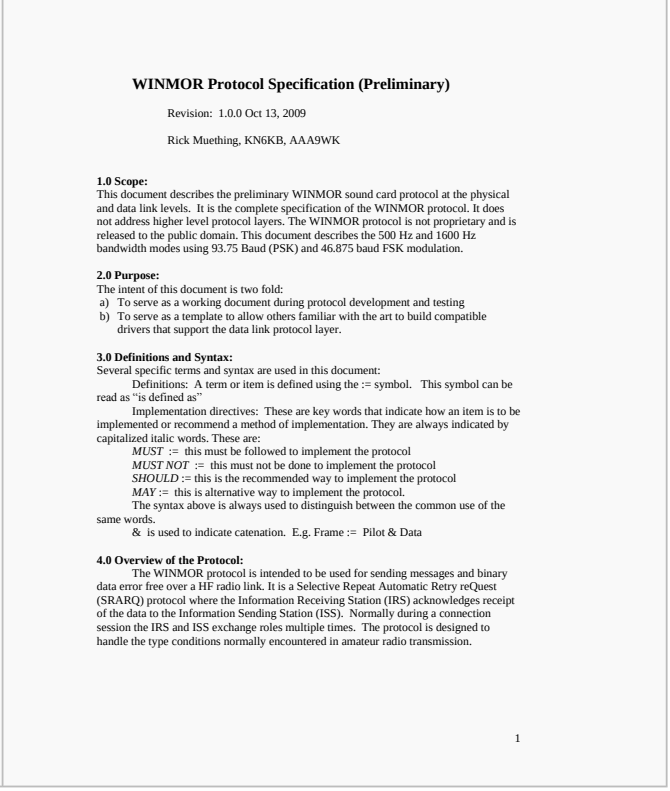
Datei:WINMORProtocol Spec.pdf

Basisinformationen

Anzeigetitel	Datei:WINMORProtocol Spec.pdf
Standardsortierschlüssel	WINMORProtocol Spec.pdf
Seitenlänge (in Bytes)	66
Namensraum	Datei
Seitenkennnummer	821
Seiteninhaltssprache	de-formal - Deutsch (Sie-Form)
Seiteninhaltsmodell	Wikitext
Indizierung durch Suchmaschinen	Erlaubt
Anzahl der Weiterleitungen zu dieser Seite	0
Prüfsummenwert	13391f41e87013402e0bdfb724edb58fca23013d
Seitenbild	

WINMOR Protocol Specification (Preliminary)

Revision: 1.0.0 Oct 13, 2009

Rick Muething, KN6KB, AAA9WK

1.0 Scope:
This document describes the preliminary WINMOR sound card protocol at the physical and data link levels. It is the complete specification of the WINMOR protocol. It does not address higher level protocol layers. The WINMOR protocol is not proprietary and is released to the public domain. This document describes the 500 Hz and 1600 Hz bandwidth modes using 93.75 Baud (PSK) and 46.875 baud FSK modulation.

2.0 Purpose:
The intent of this document is two fold:
a) To serve as a working document during protocol development and testing
b) To serve as a template to allow others familiar with the art to build compatible drivers that support the data link protocol layer.

3.0 Definitions and Syntax:
Several specific terms and syntax are used in this document:
Definitions: A term or item is defined using the := symbol. This symbol can be read as "is defined as"
Implementation directives: These are key words that indicate how an item is to be implemented or recommend a method of implementation. They are always indicated by capitalized italic words. These are:
MUST := this must be followed to implement the protocol
MUST NOT := this must not be done to implement the protocol
SHOULD := this is the recommended way to implement the protocol
MAY := this is alternative way to implement the protocol.
The syntax above is always used to distinguish between the common use of the same words.
& is used to indicate catenation. E.g. Frame := Pilot & Data

4.0 Overview of the Protocol:
The WINMOR protocol is intended to be used for sending messages and binary data error free over a HF radio link. It is a Selective Repeat Automatic Retry reQuest (SRARQ) protocol where the Information Receiving Station (IRS) acknowledges receipt of the data to the Information Sending Station (ISS). Normally during a connection session the IRS and ISS exchange roles multiple times. The protocol is designed to handle the type conditions normally encountered in amateur radio transmission.

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Seitenschutz

Bearbeiten	Alle Benutzer (unbeschränkt)
Verschieben	Alle Benutzer (unbeschränkt)
Hochladen	Alle Benutzer (unbeschränkt)

Das Seitenschutz-Logbuch für diese Seite ansehen.

Versionsgeschichte

Versionsgeschichte

Seitenersteller	Anonym (Diskussion | Beiträge)
Datum der Seitenerstellung	16:39, 14. Okt. 2009
Letzter Bearbeiter	Anonym (Diskussion | Beiträge)
Datum der letzten Bearbeitung	16:39, 14. Okt. 2009
Gesamtzahl der Bearbeitungen	1
Gesamtzahl unterschiedlicher Autoren	1
Anzahl der kürzlich erfolgten Bearbeitungen (in den letzten 90 Tagen)	0
Anzahl unterschiedlicher Autoren der kürzlich erfolgten Bearbeitungen	0