



Decoded data (information Elements)

Printing and storing facilities

Message Sequence Charts can be selected and printed in their entirety or only the displayed portion selected for print. Decoded data (Information Elements) can be printed either for a single selected message or for all messages within a MSC.

Files can be stored as binary data files or text formatted files containing all of the message decoded data produced by analysis of the data file by the TETRALOG application.

Entering and decoding individual PDU strings

TETRALOG has a facility allowing the user to enter a single channel decoded TMV-SAP PDU into the IFR TETRALOG application as a string in hexadecimal format.

TETRALOG single TMV-SAP PDU decoding can also be used to decode individual PDUs received from a TETRA BS in BS Test DATA mode and entered manually, or pasted from another Windows™ application.

The decoded data can be viewed and printed in the same way as for charts produced from data acquired directly from a Test Set, but will not contain time stamping or frame numbering data. Single fragments of fragmented PDUs will not be decoded fully.

Protocol functions supported

Current protocol signaling functions supported are to TETRA MoU Interoperability Profile Version 3 (TIPv3) and include:-

Registration (Location Update, all types)

De-Registration

Individual call

Mobile Originated (MO) and Mobile Terminated (MT)

Simplex and Duplex

Hook Signaling and Direct Set-up

Calling Party SSI (MT)

Modification by Called Party (MT)

Rejection by Called Party (MT)

Transmit Request and Transmission ceased

Cleardown from Mobile or from Test set

Group Attachment

Selected Group

No Group

Multiple Groups

Command registration with Group Report

Group Call

Mobile originated (MO) and Mobile Terminated (MT)

Calling Party SSI (MT)

Transmit Request and Transmission ceased

Cleardown from Mobile or from Test set

Emergency Call

Mobile originated (MO) and Mobile Terminated (MT)

Group and Individual

Simplex and Duplex

Hook Signalling and Direct Set-up

Calling Party SSI (MT)

Transmit Request and Transmission Ceased

Cleardown from Mobile or from Test Set

Telephone Call

Mobile Originated (MO) and Mobile Terminated (MT)

Calling Party SSI and ESN (MT)

Cleardown from Mobile or from Test set

Cell-Reselection ⁽¹⁾

Undeclared

Unannounced

Announced Type 3

Announced Type 2

Call Restoration

Neighbour Cell Broadcast

Short Data Service

Mobile Originated (MO) and Mobile Terminated (MT)

SDS Types 1, 2, 3, 4

SDS-TL Text Messages

Status (Acknowledged)

Multiple users

The analysis facilities can be copied and used on multiple PC's to analyze previously captured data files. However, each supplied application from IFR is only licensed and enabled to initially capture the raw log data from a single identified test set.

Peripheral requirements

PC minimum requirements - IFR TETRALOG requires a PC running either Windows 95™ Windows 98™ or Windows NT™ or higher. The PC must have a free COM port for connection to the IFR Test Set and a CD-ROM drive.

IFR 2968 TETRA Test Set. (Requires OPT 30 TETRA MOBILE and software version 11.00 or greater installed.)

RS-232 null modem cable. Required for connection between the IFR 2968 Test Set and the PC. This can be supplied as an optional accessory. See under Accessories.

Future proofing/cost of ownership

IFR continues to evolve the protocol capabilities of the 2968 TETRA Test set in line with the evolving TETRA standards. TETRALOG will be maintained to support new features as they become available on the 2968.

Future upgrades to TETRALOG will be available at no further cost provided that the associated 2968 has the latest software release.

Ordering information

When ordering please quote the full ordering number information below and also the serial number of the IFR 2968 the application is to be used with.

VERSIONS AND ACCESSORIES

When ordering please quote the full ordering number information

Ordering Numbers

81514 TETRALOG MS Protocol Analyzer
(Supplied on CD ROM)

Optional Accessories:-

46884/650 RS-232 Null modem cable

NOTES

(1) Cell re-selection functions require two test sets and a power splitter.

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Our passion for performance is defined by three attributes represented by these three icons: solution-minded, performance-driven and customer-focused.