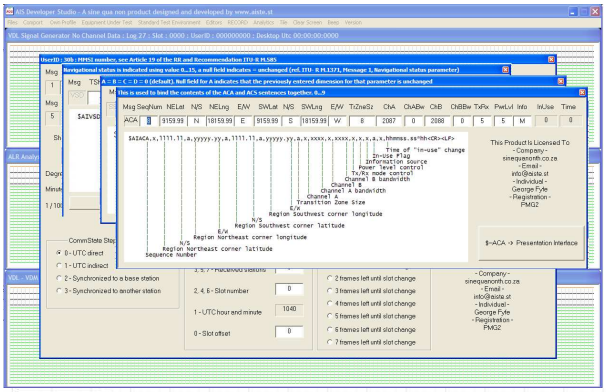
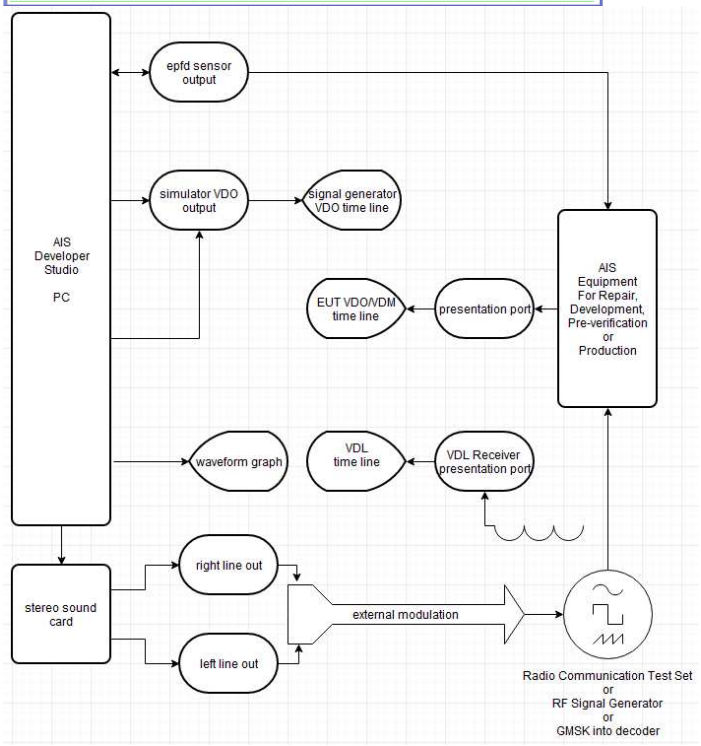
AIS Developer Studio V2 — A sine qua non product





AIS Developer Studio provides a cost effective way of adding real time AIS base-band message generation capability and VDL analysis for production, repair, development and pre-verification to any RF Signal Generator or Radio Communications Test Set.

External modulation of the RF Signal Generator or Radio Communications Test Set using AIS Developer Studio PMG2 module allows real time operational verification of AIS transponder whilst providing VDL monitoring.

Evaluation of the AIS protocol stack of the equipment under test.

The objective for the use of the AIS Developer Studio is to create a general VDL environment using a PC and optional external RF signal generator / power pad. Where the GMSK base-band is created and VDL, VDO and VDM data are easily analysed.

AIS Developer Studio
An AID to AIS

Real-Time PI Serial Message Creation

- VSD - Voyage Static Data
- SSD - Ship Static Data
- ABM - Addressed Binary and safety related Message
- BBM - Broadcast Binary Message
- AIR - AIS Interrogation Request
- ACK - Acknowledge
- ACA - AIS channel assignment message
- ABK - Acknowledgement Message
- LRI - Long Range Interrogation
- LRF - Long Range Function Identification

Programmable Modulation Generator V2

Real-time audio signal generation of single or multiple messages GMSK Base-band test signals.

- IEC 61993 10.4.1 Standard Test Signal Number 1
- IEC 61993 10.4.2 Standard Test Signal Number 2
- IEC 61993 10.4.3 Standard Test Signal Number 3
- Legacy PMG Standard Test Signal Number 4
- IEC 62287 8.3.1 Standard Test Signal Number 1
- IEC 62287 8.3.1 Standard Test Signal Number 2
- IEC 62287 8.3.1 Standard Test Signal Number 3
- IEC 62287 8.3.1 Standard Test Signal Number 4
- IEC 62287 8.3.1 Standard Test Signal Number 5
- IEC 62320 6.2.4.1 Standard Test Signal Number 1
- IEC 62320 6.2.4.2 Standard Test Signal Number 2
- IEC 62320 6.2.4.3 Standard Test Signal Number 3
- IEC 62320 6.2.4.4 Standard Test Signal Number 4
- Real-time 5 target test environment
- Real-time creation of any one of 27 M.1371-5 VDL messages
- Real-time DTM, GNS, GLL, GGA, RMC, VBW, VTG, OSD, HDT, ROT sensor strings
- Real Time monitoring VDM, VDO, ALR, TXT

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