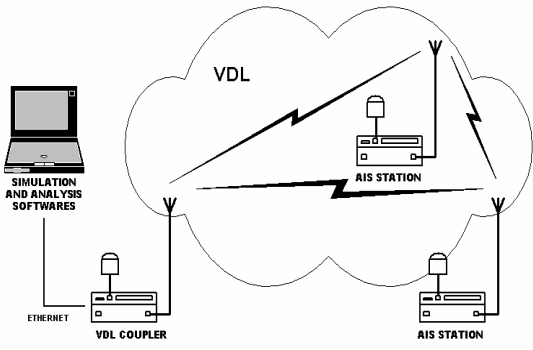


SIMULATION AND ANALYSIS TOOLS FOR MARITIME VDL

The experience gained during the debug and validation phases of its own transponder qualifies SECMAT NT to propose test tools regarding the Automatic Identification System (AIS). These tools directly access the VHF Data Link (VDL). The analysis tool is able to show the slot occupation of the VDL graphically. The simulation tool allows the transmission of messages on the VDL according to user defined scenarios.

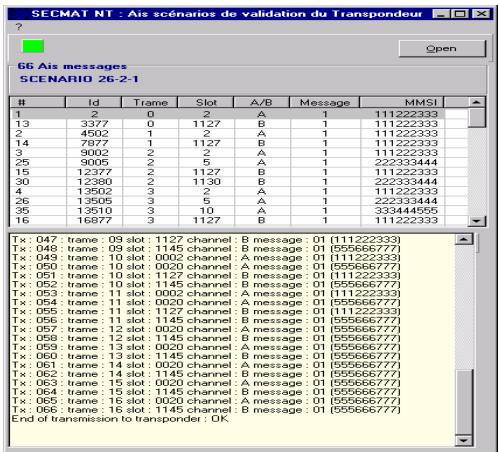
SECMAT NT presents the ideal tools for transponder designers, AIS infrastructure deployment leaders and educational organisms.



- Simultaneous VDL transmission and reception
- Data interchange via XML files
- Transmission scenarios described easily in XML
- Intuitive display of VDL load
- General VDL statistics and per individual station statistics
- Messages transmitted by a specific station highlighted on the general VDL slot occupation map



- ### APPLICATIONS
- Functional validation of an AIS station
 - Load test of a station or infrastructure
 - Reception coverage analysis
 - Generation of complex reference message patterns on VDL



#	Id	Trame	Slot	A/B	Message	MMSI
1	2	0	2	A	1	111222333
13	3377	0	1127	B	1	111222333
2	4502	1	2	A	1	111222333
14	7877	1	1127	B	1	111222333
3	9002	2	2	A	1	111222333
25	9005	2	5	A	1	222333444
15	12377	2	1127	B	1	111222333
30	12380	2	1130	B	1	222333444
4	13502	3	2	A	1	111222333
26	13505	3	5	A	1	222333444
35	13510	3	10	A	1	333444555
16	16877	3	1127	B	1	111222333

```

Tx: 047: frame: 09 slot: 1127 channel: B message: 01 (111222333)
Tx: 048: frame: 09 slot: 1145 channel: B message: 01 (555666777)
Tx: 049: frame: 10 slot: 0020 channel: A message: 01 (111222333)
Tx: 050: frame: 10 slot: 0020 channel: A message: 01 (555666777)
Tx: 051: frame: 10 slot: 1127 channel: B message: 01 (111222333)
Tx: 052: frame: 10 slot: 1145 channel: B message: 01 (555666777)
Tx: 053: frame: 11 slot: 0020 channel: A message: 01 (111222333)
Tx: 054: frame: 11 slot: 0020 channel: A message: 01 (555666777)
Tx: 055: frame: 11 slot: 1127 channel: B message: 01 (111222333)
Tx: 056: frame: 11 slot: 1145 channel: B message: 01 (555666777)
Tx: 057: frame: 12 slot: 0020 channel: A message: 01 (555666777)
Tx: 058: frame: 12 slot: 1145 channel: B message: 01 (555666777)
Tx: 059: frame: 13 slot: 0020 channel: A message: 01 (555666777)
Tx: 060: frame: 13 slot: 1145 channel: B message: 01 (555666777)
Tx: 061: frame: 14 slot: 0020 channel: A message: 01 (555666777)
Tx: 062: frame: 14 slot: 1145 channel: B message: 01 (555666777)
Tx: 063: frame: 15 slot: 0020 channel: A message: 01 (555666777)
Tx: 064: frame: 15 slot: 1145 channel: B message: 01 (555666777)
Tx: 065: frame: 16 slot: 0020 channel: A message: 01 (555666777)
Tx: 066: frame: 16 slot: 1145 channel: B message: 01 (555666777)
End of transmission to transponder: DK
    
```