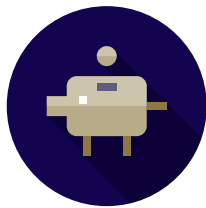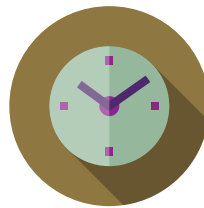# CIVET

Combined Interoperability & Validation Tool

Record and playback message data

Real-time decoding of Link 16 and 11 message data

Identify Variations against the message standard

CIVET is a real-time message decode, monitoring and recording facility for Link 11 and Link 16 platforms. Developed to be utilised with real terminals/radios or in a simulated environment. CIVET provides the user with the capability to detect, identify and investigate message anomalies in real-time for compliance with the selected Tactical Data Link (TDL) Standard.

Capabilities

- ▶ Supports the checking of L11/L16 tactical messages against any of the TDL standards (STANAG or MIL-STD) or in accordance with a user defined edition

- ▶ Supports the latest terminal platform types Supports the following interfaces:
  - → SIMPLE
  - → JREAP
  - → MIL-STD-1553B
  - → Ethernet
  - → MIDS LVT Support Port

- ▶ Incorporates a Network Design/Initialisation Data Preparation Facility function to generate or edit Terminal Initialisation Data Loads for test support activities

- ▶ Real-time filterable simultaneous auto analysis for Link 16 and 11 messages (to bit level)

- ▶ Record and replay facility for post mission test analysis

- ▶ Automatic alerting for non-compliance with a standard or specific message content

- ▶ Interface to MANDRIL for real-time/replay 2D and 3D situational awareness displays
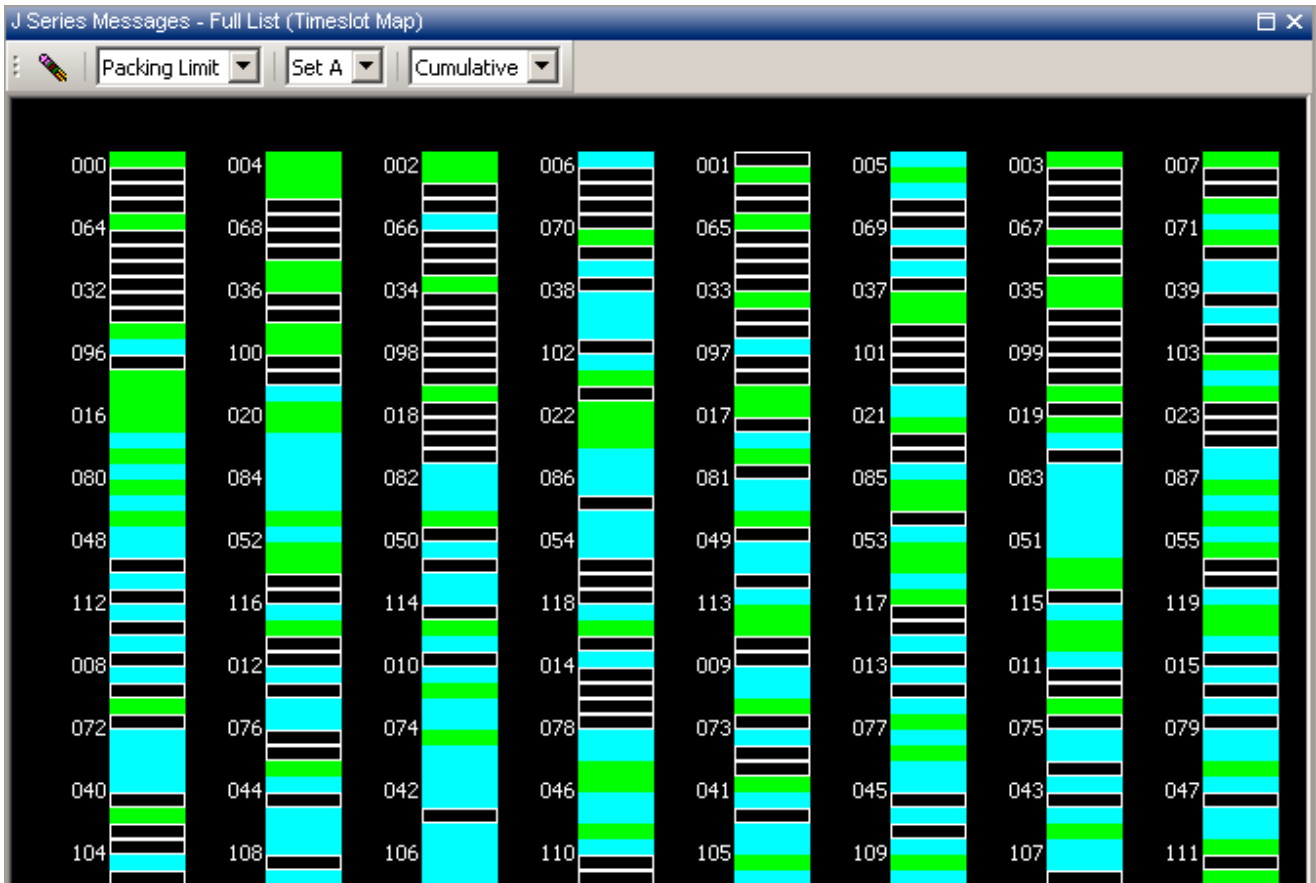
Benefits

- ▶ Focuses the areas to be investigated through Post Test analysis reducing time, effort and cost during evaluation

- ▶ Can be used to forward data to meet test environment requirements reducing the cost of additional tools

- ▶ All recordings compatible with MANDRIL for post-test detailed analysis

- ▶ Software updates to support new standards and platforms

- ▶ Comprehensive technical support and maintenance

- ▶ User group and customer feedback drives continuous development a standard or specific message content

- ▶ Interface to MANDRIL for real-time/ replay 2D and 3D situational awareness displays

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Message	Observation	STN
J3.7	Field - FIX/BEARING INDICATOR = UNDEFINED (6)	00020
J3.7	Field - DISUSED is Non-Zero (7)	00020
J3.7	Field - SPARE BIT 6 is Non-Zero (37)	00020
J3.7	Field - SPACE PLATFORM = UNDEFINED (37)	00020

J Series Messages - Full List

Manual | TS Map

Time	Slot	Interface	Source	NPG	Net	Relay	Packing	STN	Track Number	Message	Words	Text/Observations
16:37:35.087	B498	CIVET	FILE	0	0	DIRECT	STD	00020	02002	J3.2	I-E0	
16:37:35.041	A483	CIVET	FILE	0	0	DIRECT	STD	00020	02000	J3.2	I-E0	
16:37:35.033	B480	CIVET	FILE	0	0	DIRECT	STD	00010	SE001	J3.3	I-E0	
16:37:35.030	B479	CIVET	FILE	0	0	DIRECT	STD	00010	00010	J2.3	I-E0	
16:37:35.007	C471	CIVET	FILE	0	0	DIRECT	P2	00205	00205	J2.2	I-E0-C1-C2	
16:37:34.122	B467	CIVET	FILE	0	0	DIRECT	STD	00020	01001	J3.2	I-E0	
16:37:34.114	C464	CIVET	FILE	0	0	DIRECT	STD	00010	01100	J3.2	I-E0	

J Series Messages - Full List (Timeslot Map)

Packing Limit | Set A | Cumulative

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