

ITEST | MANDRIL | CIVET | Uncage Your Data

Why MANDRIL ?

Because it provides an analysis capability that is limitless. It's a game-changer that **reduces analysis time by 80%-90%**, is **easy to use**, and can handle **all aspects of TDL interoperability analysis**, whether at the BIT level or the "System-of-Systems" level performing requirements verification/certification tasks. MANDRIL¹ is used by both mainstream operational programs and next generation developmental programs to analyze and better understand communication system interoperability.

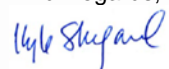
Why is MANDRIL the product of choice?

- **Decodes** over 70 different formats of live or simulated data, into MS Excel, putting the power of Excel at your fingertips. Anyone with Excel can look at MANDRIL analysis, meaning everyone can !
- **Generates** analysis at record pace. In fact, USAF-Air Combat Command put a number on it, reporting to US Congress a ~90% reduction in analysis time with MANDRIL and with significantly improved analysis fidelity. Spend your time solving problems, rather than finding them.
- **Verifies** – Perhaps the most powerful feature set is our automated analysis capability. Automated and detailed assessment of messages to assess bit-level message and protocol compliance. MANDRIL performs automated requirements comparison tying back to the relevant requirements document (e.g. MIL-STD, STANAG, eBIT, etc) and can be used standalone or as part of the iSMART electronic toolset to answer key questions such as:
 - Message implementation **correct at bit-Level ?** – Check every message every time
 - Transmit and Receive **Protocols followed?** – Assure Tx/Rx protocols being followed
 - Tracks being **correctly correlated ?** – Analyze the data to find track correlation possibilities
 - Reporting responsibility (**R² protocols followed ?**) – Identify track reporting errors
 - **Navigation data correct ?** – Identify navigation anomalies (e.g. track jumping)
 - **"System- of-Systems" Tx/Rx correct ?** Merge and automatically compare recordings from multiple platforms, in multiple locations, with multiple data links or data extraction file formats
- **Make Millions of Bits Meaningful** - MANDRIL Graphs Wizard automates the graph generation process for over 20 different data views including Platform Nav vs terminal Nav, TQ vs Time, GPQ vs Time, statistical views (e.g. message type vs. track or time of day) and many more. Easily and directly from menus, putting all of the data into context for a systems level understanding of TDL performance or detailed analysis.
- **Rapidly** – From days or week to hours. Understand your system performance, and generate insightful, technically meaningful reports and presentations
- **Tracks 2-D or 3-D** plays live or replays recorded data with a terrain background:
 - Play or Fly the mission – Play any or all of the tracks. Fly with them or become one of them !
 - Analyze Radar intervisibility, radar masking, LOS connectivity etc.
- **One tool for all analysis** - Whether your data is generated by Hosts (eg F-16, F-18, etc.) Simulators (e.g. BOSS, MLST3, etc), gateways (ROBE, GTE, etc), terminals (e.g. MIDS, JTIDS, etc), and data bus analyzers (PAS 3200, etc). One tool for all TDL analysis **for the life of your program**. This produces major gains in efficiency for the staff and reduces program or company capital costs for analysis S/W.

Users include both operational and next generation developmental programs as well as the companies that develop them and Ranges that verify performance: P-8A(MMA), F-16, AWACS, AEWG, F-35, F-18, EA-6B, EA-18G, B-1B, B-2B, CLIP, MH-60, Langley AFB, Robins AFB, Eglin AFB, Edwards AFB, Whiteman AFB, Tinker AFB, Hanscom AFB, SPAWAR, USN-China Lake, NAVAIR(Pax River), USMC MCTSSA, USMC-IWSL, Hurlburt Field AFB, Lockheed Martin, Northrop Grumman, Boeing, DCS, CSC, ViaSat, Rockwell Collins, DLS, AAR Brown and more. Our customers use MANDRIL to simplify, automate, and improve the accuracy of Data Link and Network Analysis with both simulated and live data that comprises **over 70 formats from Link 16, IJMS, Link 11, Link 22, and VMF**.

Why not work more efficiently by using the most technically rigorous, proven, yet easiest to use interoperability analysis tool on the market today? Contact us and we will help you uncage your data and join the mainstream with MANDRIL.

Kind Regards,



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1 – Message **A**nalysis and **D**ata **R**eduction for the **I**ntegration of **L**inks – **MANDRIL-Uncage Your Data**

