Message Text Format (MTF) signals are an essential part of operational coordination of planning and management activities. Ensuring that these MTF signals are correctly generated and validated is key to ensuring mission success through the correct exchange of information between organisations. However, with continually changing MTF structures, complex field formats and encoding, manually generated signals are typically error filled and unusable by automated systems.

TacSig delivers a complete solution for creating, reviewing and translating any MTF signal by providing an operator friendly tool for the generation and interpretation of fully validated MTF signals to remove the errors from MTF signals generated locally or imported from external organisations.

By providing full validation of signal structure, segment/set/field rules and field formatting/values in addition to providing comprehensive field decoding and formatting support TacSig ensures any MTF signal can be quickly and accurately created and reviewed. Automated translation of the created signals between different baseline standards provides full interoperability to all signal consumers.

**Operator focused MTF signal visualisation:**
- Easy to read MTF signal structure display and summary
- Field values displayed in man readable format to remove the need to memorise the signal standard
- Signal formatted text automatically generated and displayed for instant review
- Signal summary views displaying key fields in man-readable format

**Complete MTF signal validation:**
- Automatic signal validation during editing
- Colour coded validation results and validation error details allow easy identification and resolution of validation errors
- Full signal/segment/set/field validation checks provided ensures that any generated signal is 100% valid

**Signal Translation:**
- Automatic translation between different signal baseline versions allows seamless support to multiple users of the signal
Extensive operator help facilities:
• Extensive help is available to support the operator to simplify the editing process
• Display of set and field examples and purpose
• Display of field formats and valid ranges
• Indication of mandatory and optional fields

Signal Creation/Editing:
• Fully man-readable signal editing window removing the need to remember field decodes and signal structure
• Full support for option field types allows all signal field variants to be defined
• Automatic creation of mandatory MTF signal sets to reduce time to create the signal
• Ability to set default field values for rapid signal creation without the need to set fields that rarely change
• Search function to quickly find operator selected fields buried in the MTF signal

Signal Import:
• Signal imported with validity checks to highlight signal errors
• Best-case interpretation for invalid fields
• Importing from one MTF signal format into another format

Signal Export:
• Fully validated export of MTF signal text

Support for any required MTF signal and format:
• XML-based format and rules ensure any new signal can be easily added as new formats are made available

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