



MORCOM Meteorological Data Ingestion and Visualization

**MESSIR
SERIES**

INTRODUCTION

Messir products are designed for easy integration with the user's business environment and are accepted world-wide. Messir can run in a stand-alone mode on any workstation running any windows operating system or in a server-client mode to allow multiple users such as forecasters displaying and creating meteorological product as they need.

Messir-Comm is dedicated to ingest and process data from several data sources. It's in charge of all communications between the server and workstations and other remote subscribers. Through the years with many systems installed and currently running in different countries around the world Messir-Comm has been proved to be very reliable, dynamic and user friendly communication tool ingesting multiple formats of weather data from a variety of different data sources.

Messir Vision is key to forecaster's around the world as it allows them to display and work with all types of graphical and alphanumeric information.

THE SOLUTION FOR WAFS-ISCS NETWORK

MESSIR-COMM:

- Is fully compliant with the WMO Manual No 386 on the GTS, including Attachment II.15 for TCP-IP and the WMO Manual No. 306 (Manual on Codes), as well as with latest Amendments (up to 74).
- Brings the most recently upgrades for WIFS and GIFS connectivity using HTTPS.
- Receives data from many available free data sources such as WAFS-ISCS, GTS, NOAA FTP and others.

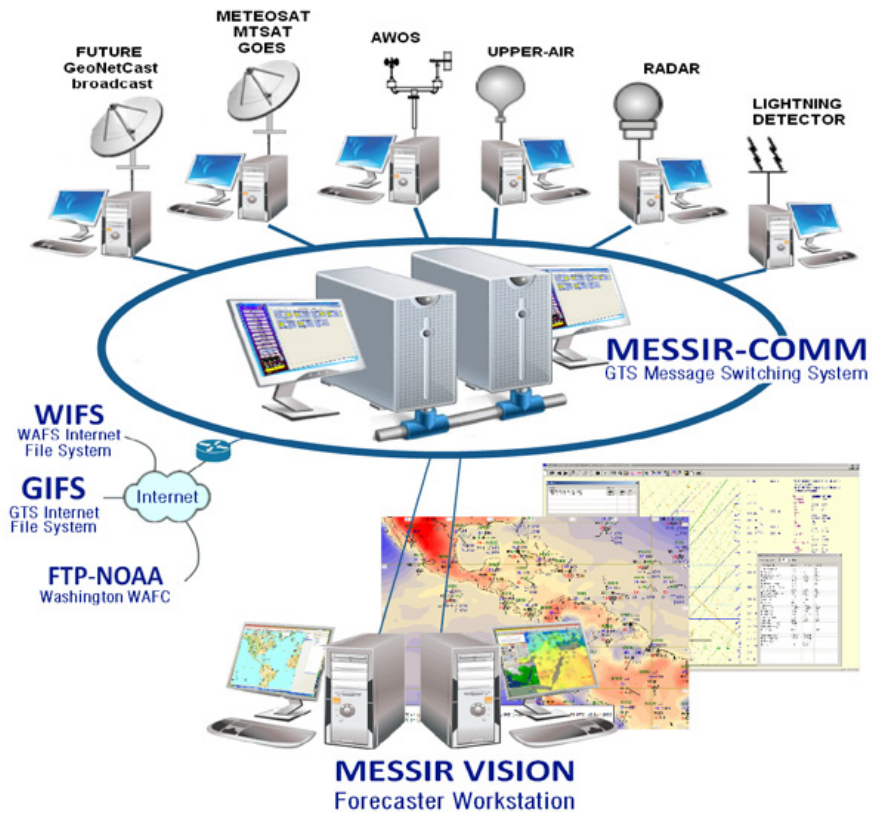
- Allows multiple types of communications through different transmission protocols such as TCP/IP, FTP, email, and serial asynchronous lines.
- Switching of all types of data and products
 - Text messages (SYNOP, TEMP, METAR, SIGWX, Wind-Temperature, etc.)
 - Latest Binary products such as GRIB2, BUFR tables and PNG charts. At the same time is compatible with legacy formats such as GRIB1 and T4-DFAX.
 - Full support of the migration from TAC (Traditional Alphanumeric Codes) codes to TDCF codes including support for Cat1, Cat2, Cat3 codes and WMO ET-DR&C templates, also encoding of observations into BUFR format.
 - Files in WMO formats
 - Satellite and radar images
- Feeds your corporate or public Web Server with added value outputs.

MESSIR VISION:

- Is fully compliant with Annex 3 of ICAO recommendations and latest Amendments (up to 75)
- Provides extensive data plotting facilities with multiple data overlaid options.
- Displays and print all data and products and export locally created charts
- Allows easy handling of meteorological data related to air navigation for Pilot Met Briefing / Flight Folders production.
- Manages Alerts, Warning and Admin Messages, Bulletin creation and messages transmission to different subscribers.

COMBINED ADDITIONAL FEATURES

- Satellite image ingestion (optional) from NOAA HRPT, GOES GVAR as well as other satellite broadcasts (Meteosat, GMS, MTSAT, etc.).
- Overlay model charts on satellite images
- Hot-Stand-by option for redundancy and continuous operation (requires 2 PCs)
- Ingestion from upper air (radiosondes) systems
- Optional connection to AFTN or AWOS
- Extensive selection of meteorological symbols
- Upper air plotting
- Customizable options



MORCOM — Your source for quality weather information solutions

- Weather Satellite Ground Stations (GVAR, HRPT, LRIT, Eumetsat)
- WIFS/GIFS Systems
- Meteorological Communications (GTS)
- GOES Direct Readout Ground Systems
- Future-proof GOES-R Compatible hardware (antenna and processor)



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