

MESSIR-COMM

GTS Message Switching, Real-Time Operational Database – WIS Ready

- Telecommunications allow you collection and export of your national data (observations, forecasts, warnings, products...), reception of data and products from abroad, supply of data and products to forecasters and regional users anywhere of your country.

- MESSIR-COMM is a GTS Meteorological Message Switching System open to all the new telecommunication means including the WIS (WMO Information System).

- MESSIR-COMM is the perfect combination between a powerful duplicated server, the Windows, UNIX or Linux operating systems, smart add-on cards and dedicated software.

Some GOOD REASONS to choose MESSIR-COMM

- The superiority of MESSIR-COMM has been acknowledged by hundreds of users in 9 RTHS and 47 NMCs throughout the Globe, including some of the World's most demanding sites such as the Exeter RTH in the UK. This makes MESSIR-COMM today's undisputed GTS World #1.

- MESSIR-COMM handles both TDCF (Table Driven Code Forms) and TAC (Traditional Alphanumeric Codes) codes and offers a complete set of conversion utilities.

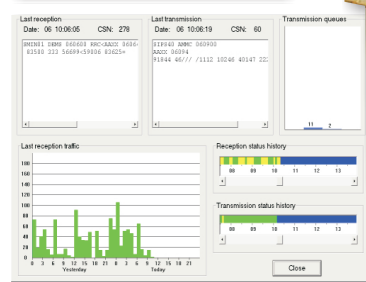
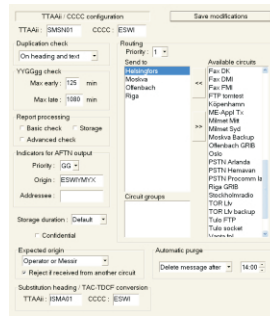
- The ease of use of MESSIR-COMM has been acknowledged by all its numerous happy users. This is owed to the great attention paid by COROBOR to users' needs. MESSIR-COMM ease of use is outstanding for daily operations as well as for administration tasks. Any experienced operator will become familiar with MESSIR-COMM after only one hour of practice.

- MESSIR-COMM can be proposed in an exclusive hot stand-by architecture which includes immediate change-over with no down-time

- MESSIR-COMM remains operational for years, round the clock, without any down-time. MESSIR-COMM offers a nearly 100% site-proven availability (unavailability over one year hardly sums up to five minutes).

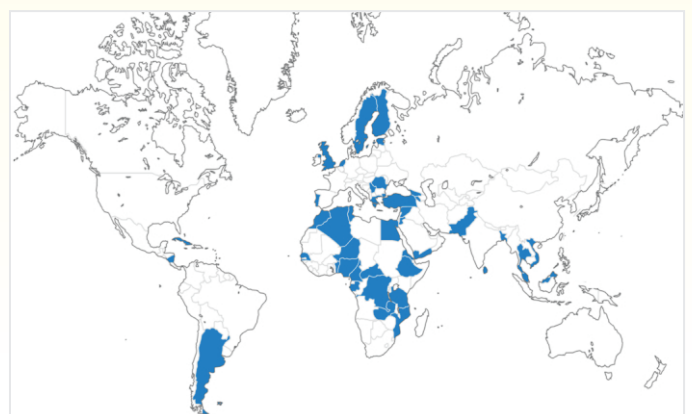
- MESSIR-COMM offers numerous options and connection capabilities. Moreover, the powerful COROBOR software development team is available for any required customization and specific developments.

- COROBOR Systèmes is ISO 9001 Certified



MESSIR-COMM World #1 for GTS Message Switching

**47 National Met Services and
9 Regional Telecommunication Hubs equipped**



MESSIR-COMM Main Features

Full compliance with WMO and ICAO standards !

■ **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 No 74)

Ready for the Table Driven Code Forms (TDCF) and WIS migrations!

■ Full support of the migration from TAC (Traditional Alphanumeric Codes) codes to TDCF codes initiated at end of 2005' including support for Cat1, Cat2, Cat3 codes and WMO ET-DR&C templates.

- Reception and switching of incoming TDCF (BUFR, CREX) messages
- Conversion from TDCF form to TAC (Traditional Alphanumeric Codes) form.
- Conversion from TAC form to TDCF.
- Compilation of bulletins using TDCF form.
- Support of IMTN telecommunication protocols: VPN, MPLS...
- File distribution (push/pull), client/server web access.

High availability / Hot stand-by!

■ The MESSIR-COMM exclusive software-driven hot stand-by configuration with automatic change-over guarantees a site-proven 100% availability.

Unequaled power!

- Proven switching power of 500 messages per second (World Record)
- More than 2000 circuits can be connected

Connection to all types of subscribers!

- TCP-IP socket, FTP, Ethernet, LAN/WAN, Frame Relay, VPN, RMDCN
- E-mail, X.400, file switching, automatic Internet retrieval, FTP server function, Web server function
- X25, PSTN, ISDN, leased lines, fax machines
- Low-speed telegraphic lines, public telex, AFTN-AMHS
- Radar and satellite images systems (METEOSAT-MSG, MTSAT, GOES, HRPT...)
- SADIS, ISCS-WAFS, ACEWEX ...
- AWOS, various observation and detection systems.

Switching and store in database all types of data and products!

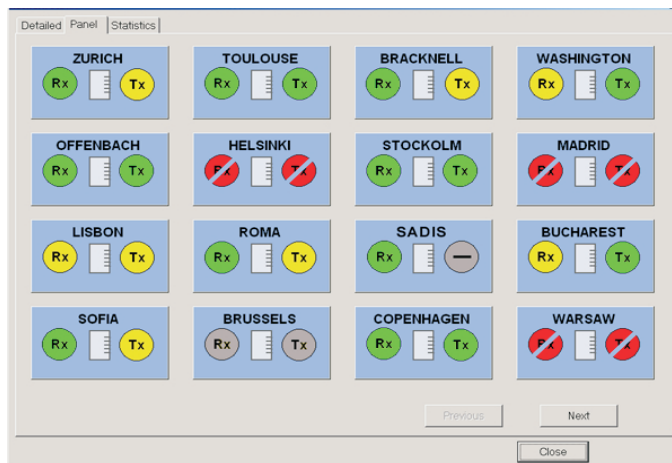
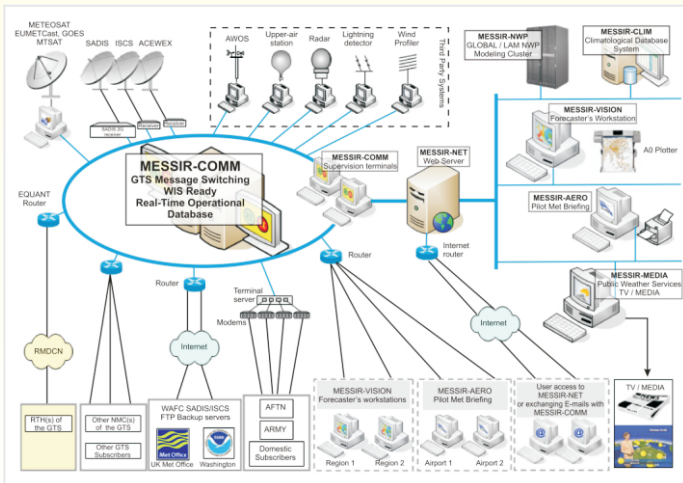
- Traditional alphanumeric codes (TAC) including SYNOP, TEMP, METAR, TAF...
- Table-driven code forms (TDCF)
- Files in WMO format - Satellite and radar images
- Binary products such as GRIB, T4-DFAX, BUFR
- Automatic correction and data quality controls
- Unified database access layer and automatic data archiving
- Export data into various formats: text, image, XML
- WMO monitoring (AGM, IWM,...)

Integrated Web Server!

- All data and products received or generated locally can be automatically made available to Internet or Intranet users via the MESSIR-NET module.
- MESSIR-NET is AUTOMATICALLY updated in real-time with fresh met data received via the MESSIR-COMM Message Switching System
- Internet users can view on line all this fresh data including text observations and forecasts, GRIB-coded NWP models, satellite and radar images, home-made charts, pilot briefing....

A powerful Database!

- In addition of being a reliable message switching system, MESSIR-COMM is also a powerful Database!
- All data received (bulletin, message, report...) and all products (imagery, forecast, charts...) can be stored according to customer requirements.
- The content of MESSIR-COMM Database is updated continuously according to the data traffic. Users can (even remotely) query and retrieve any data stored into MESSIR-COMM.



Great ease of use!

- MESSIR-COMM has the most user-friendly graphical interface on the market
- Remote administration from a PC connect to the LAN or from the internet using standard web browser
- Powerful circuits and messages monitoring and statistics
- All data for the last 90 days immediately on screen
- Easy menu-driven set-up and administration
- On-line help

Who are we?

COROBOR is a French company located in Paris, with an experience of 14 years in its market. COROBOR team is made mainly of meteorological software engineers, fully dedicated to the development of IT solutions for Meteorology and Aviation. So far, COROBOR has provided more

than 1300 MESSIR systems in more than 130 countries, including:
MESSIR-COMM - World #1 for GTS Message Switching and Meteorological Database;
MESSIR-AERO - World #1 for SADIS, ISCS, WAFS
MESSIR-VISION - World #1 for Forecaster Workstations
MESSIR-SAT - for EUMETCast, ...

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COROBOR
 Systèmes

COROBOR Systèmes obtained in 2002 the ISO 9001-2000 certification for its Quality Management System, designed to ensure customer satisfaction.

