

Supports WMO FM94
and TCP/IP Connection

WMO/GTS Meteorological Information Message Switching System



Overview

The GTS Meteorological Message Switching Server connects to the WMO global telecommunication network and provides automatic reception and transmission of valid WMO messages. It supports various communication protocols including TCP/IP sockets as well as data processing functions.

Key Functions

1 . Receiving and Transmitting of GTS Messages

Connects to the WMO/GTS network, receiving current weather data, NWP (GPV) data, weather charts based on the WMO standard format, transmitting AWS data to the global network with valid data inspection and processing functions

2 . SQL-Relational Database Management

Archiving various types of weather information Including current weather data, NWP data, weather charts and satellite images etc, handling them to control the access method to use with a Relational Database Management function

3 . Client Service

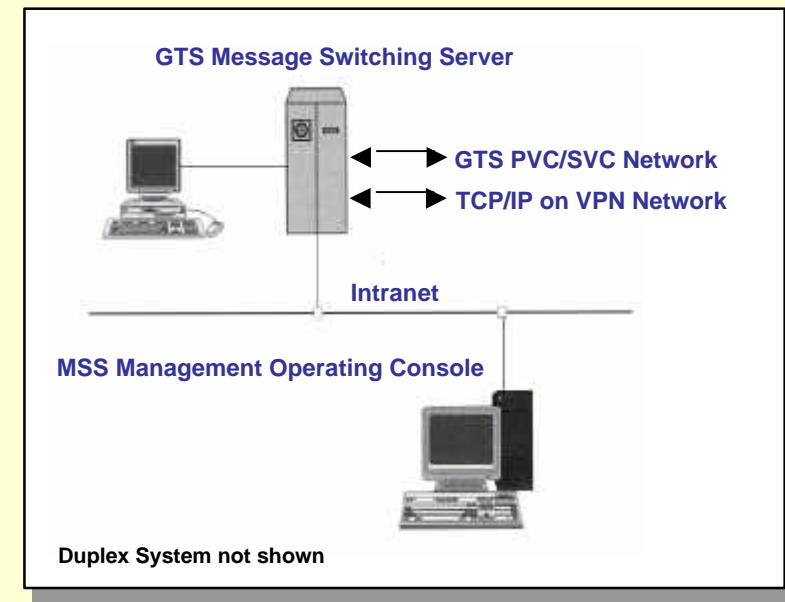
Powerful client service functions to be able to apply data for user applications on the Internet /Intranet technology (such linkage as the Numerical Weather Prediction System)

Features

- ✧ Supports Physical Circuit Protocols (X.25 PVC/SVC , Async Circuits, IP VPN Circuit)
- ✧ Supports Virtual Circuit protocols (X.25, TCP/IP Socket, UDP, FTP)
- ✧ Handling data with various message types include SYNOP, TEMP, GRIB, BUFR, CREX, T-4 fax charts and other imageries based on the WMO standard format
- ✧ Relational Database Management System for Geo-functional Meteorological Information
- ✧ Capable Dual Backup Redundant System, Internet Security, High Reliability

System Components

System Structure



System Software

- ✧ WMO/GTS Standard Message Routing Software
- ✧ MSS Operating Management Software
- ✧ Data Distribution Software for Local Information Service
- ✧ Real-time Monitoring and Validation Checking Software
- ✧ RDBMS Control and Data Archiving Software
- ✧ Miscellaneous Utilities and Tools

Contact us for further details --



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