



# CFM

## Coral Fault Manager

Tadiran's Network-Wide Communications Guard



Tadiran Telecom

# CFM

## Relax. Your Coral is in

### Communications. Too Important to Leave to Chance.

As your Coral communication network grows, the task of watching over every element becomes more complex. Yet every successful enterprise relies on dependable communications. This is the crucial resource you cannot leave to chance.

That's where Tadiran's Coral Fault Manager comes in.

## Coral Fault Manager

The Coral Fault Manager (CFM) offers an at-a-glance global view of the health of your entire Coral network, while allowing:

- **Network-wide accessibility**  
You can access the CFM via the web from any network location
- **Real-time fault detection**  
CFM detects any faulty element in your Tadiran communications network
- **Rapid assessment of fault severity**  
Severity assessment allows you to focus on the most critical problems first
- **Early detection for efficient preventive maintenance**  
Many faults may be handled before users experience operational malfunction
- **Alarm event alerts sent via email or SMS message**  
So you are immediately informed of any alarm event over a specified level of severity
- **Fast troubleshooting**  
Offers corrective measures for specific alarm events
- **Alarm database**  
Database detailing current alarm status and alarm history allows the generation of customizable reports and assists in troubleshooting

## CFM

### Relax. Your Coral is in the most Capable Hands.

- **Reliability** – Tadiran's experience combined with extremely reliable technologies and architecture ensures optimal reliability. Optional CFM redundancy configuration is also available.
- **Scalability** – CFM supports the monitoring of up to 250 Coral systems.
- **Easy to operate** – The modern, web-based GUI allows intuitive use with minimal training.

The CFM is part of Tadiran's suite of management applications. The full management suite includes applications for configuration management and administration, performance management and billing.



# Leading the Telecommunications Field with State-of-the-Art Developments

All Tadiran products benefit from the company's extensive experience and proven expertise in telecommunications. The CFM is the result of intensive development building on the latest technological advances in the field.

- The CFM-SP (Coral Fault Management SNMP Proxy) is proprietary Tadiran software running on a Linux operating system, interfacing with a standard SNMP NMS application such as Castle Rock or HP Openview. SNMP NMS background maps serve presentation purposes only and have no effect on CFM functionality.
- The CFM-SP checks a list of monitored Corals and establishes a TCP connection with each one. Failure to establish a connection triggers a specific CFM alarm event.
- CFM-SP interfaces with Coral Servers via an IP network. An STIP unit is used to convert the Coral's serial I/O to IP for transmission over the network. The STIP provides multiple simultaneous sessions for fault management, configuration management etc.
- In addition to transmitting alarm information when an alarm event occurs, each Coral Server transmits its alarm status periodically to the CFM. If the CFM does not receive this periodic status report it concludes that a critical failure has occurred.

## Hardware specifications:

- CFM-SP runs on a standard PC
- Recommended – server grade platform
- A second PC if CFM redundancy is required

**Sophisticated technology**  
Taking care of itself, so that you can concentrate on your own work



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11-2005

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