ADVANTAGES

- ***Multiple networks:***
A single centralized MiBAS system can manage a cluster of TETRA networks, simplifying network operation and reducing costs.

- ***Self-care:***
Corporations, police forces, or other remote administrators can add their own subscribers and perform various other provisioning and billing inquiry tasks with an easy Internet/Intranet browser-based application. Operators improve their control, flexibility, and efficiency while activation becomes quicker, cheaper and more customer-friendly.

- ***Unique billing features:***
Charging for dispatch calls, charging for Packet Data usage, split billing, pooling of free usage, and other special MiBAS features are unique administrative aids for integrated dispatch, telephony, and packet data networks.

- ***Data integrity:***
MiBAS accesses the network elements directly and also generates the proper file formats for the radio programming process. So inconsistency is avoided and data integrity is assured.

- ***Consolidated database:***
MiBAS maintains all relevant customer and subscriber information in a single database, integrated with the network and handset information. The result – reliability and smooth operation.

MiBAS

For further information please check our website:
mibas.motorola.com
or contact us at:
mibas.marketing@motorola.com

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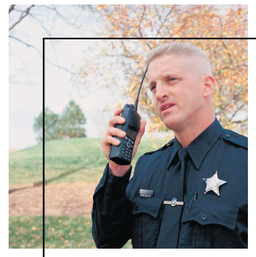
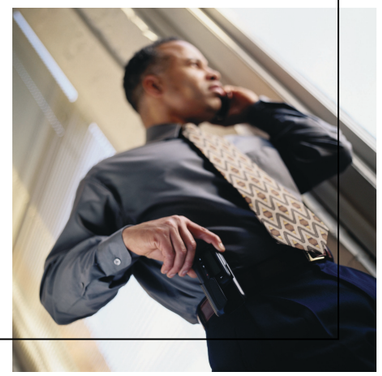


MiBAS

Motorola *i*ntegrated **B**illing **&** **A**dministration **S**ystem



MiBAS for TETRA

Optimized Billing & Provisioning for Terrestrial Trunked Radio Networks

Less Effort. More Control.

TETRA

MiBAS FOR TETRA
Motorola integrated Billing & Administration System

TETRA technology expands the possibilities for sophisticated networking. But it also intensifies the challenges of management, administration, control, and data integrity. To tame the complexity of TETRA networking with a single solution, Motorola offers you **MiBAS:** the **M**otorola ***i***ntegrated **B**illing & **A**dministration **S**ystem.

MiBAS is Motorola's provisioning and billing system for small to large-scale wireless networks. Introduced in 1994, MiBAS has been running successfully at installations in North and South America, Europe, and the Far East. Standing behind MiBAS are Motorola's proven expertise and years of experience in dispatch, telephony, packet data and networking.

MiBAS is a scalable and adaptable system designed to fit the complete range of Dimetra IP networks. It supports dispatch, telephone interconnect and data applications for both private and shared networks ranging from regional to nationwide systems. MiBAS has a modular, open architecture, so it can be configured and integrated with Oracle Applications, SAP/R3, and many other external applications and packages – as well as with future Dimetra IP elements. Motorola is committed to MiBAS upgradability, benefiting from our position as an industry leader.

The MiBAS solution covers all the necessary provisioning and billing activities for TETRA:

- Provisioning subscriber units
- Activation
- Rate plans management
- Billing mediation
- Bill calculation
- Billing control
- Inquiries
- Traffic analysis

PROVISIONING

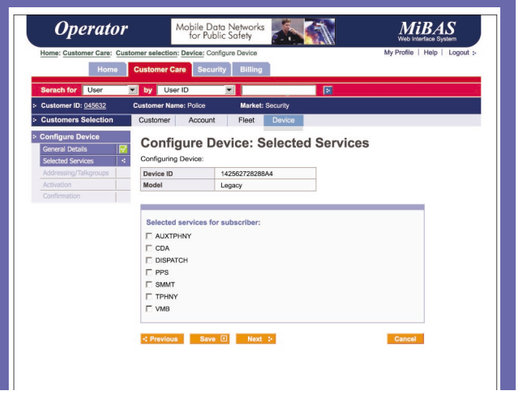
MiBAS is a powerful automated tool for configuring subscriber units according to each subscriber's purchased services. Its browser-based and Windows-based man-machine interfaces make it easy to manage subscriber profiles. For example, an operator can use MiBAS profiles to apply a full set of predefined properties to a new subscriber all at once. And rather than provisioning subscribers on an individual basis, you can reconfigure and assign services by selecting and acting on multiple subscribers simultaneously. MiBAS then automatically reaches out to consistently update each subscriber's data in the MiBAS data base, network elements and handset files, without extra effort from the operator. MiBAS gives the TETRA operator multiple provisioning capabilities:

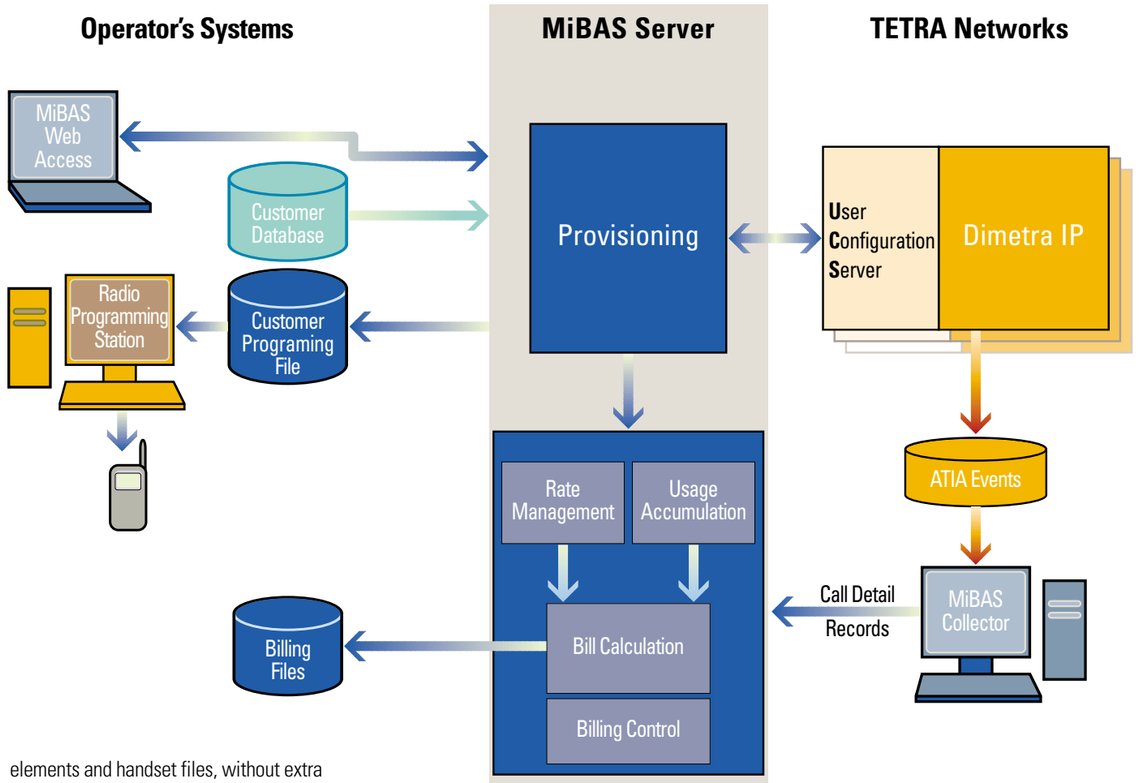
- Create and manage subscribers accounts
- Activate subscriber (and verify proper subscriber configuration)
- Suspend / Reconnect subscription
- Add / Omit features
- Assign numbers (phone numbers, IP addresses, talk groups, etc.)
- Replace handsets

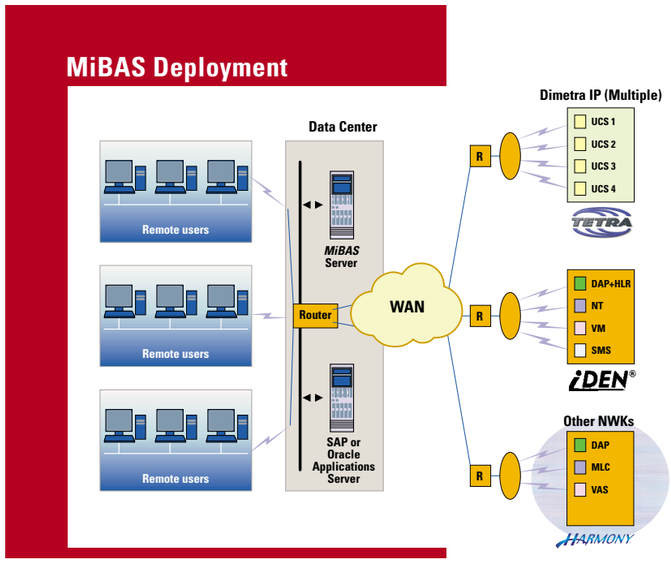
Dimetra IP networks from Motorola can benefit from end-to-end automatic MiBAS provisioning by using the Dimetra-IP Provisioning API.

MiBAS allows self-provisioning by authorized customer administrators over the web. This saves time and encourages subscribers to make the best use of their equipment.

Administrators can access their customers list, activate subscribers, configure the handset and replace subscriber unit via web-based application.







BILLING

In a private network, inefficient use of resources is always a concern. MiBAS billing answers this concern by giving operators the tools to track and influence the usage patterns of TETRA subscribers. The system distinguishes between different types of service, so you can identify and bill particular users or business units accurately. In a TETRA network run for profit, the same billing technology can be a way to steer users toward greater use of premium services. In both cases, MiBAS leads to cost-effective usage of your network capacity.

Building on MiBAS's extensive deployment for private and shared digital radio networks, the system has been enhanced with unique billing features that perfectly meet the needs of the TETRA operator. The MiBAS rating and billing solution is flexible, rich in features, and user-friendly.

MiBAS gives the TETRA operator versatile rating capabilities, among them:

- Recurrent or one time fixed charges
- Optional fixed charges
- Usage fee for telephony airtime
- Usage fee for dispatch airtime
- Usage fee for Short Data Service
- Usage fee for packet data
- Free usage packages
- Discount packages
- Cost sharing contracts between customer (corporate) and handset-holder

The **billing mediation module - MiBAS Collector**, collects billing events and prepares them for rating, billing and traffic analysis. In a Dimetra IP network, for example, it works like this: The call event information is written into ATIA files. Then the MiBAS Collector module collects the billing events, converts them and creates call detail record (CDR) files for further processing and analysis. The MiBAS Collector module is a PC-based application deployed with each zone controller.