

MovingMedia 2000® Sonata OMC

OPERATIONS MAINTENANCE CENTER

THE UTSTARCOM SONATA OMC PROVIDES COMPREHENSIVE CONTROL FOR ELEMENTS OF THE UTSTARCOM MOVINGMEDIA 2000 PRODUCT FAMILY



- **COMPLETE MANAGEMENT FOR UTSTARCOM MOVINGMEDIA 2000 FAMILY**
- **COMPREHENSIVE FCAPS MANAGEMENT**
- **CENTRALIZED DATA MANAGEMENT OF DISTRIBUTED NETWORK COMPONENTS**
- **RAPID FAULT ISOLATION AND RECOVERY**
- **SIMPLIFIED INTEGRATION VIA STANDARDS-BASED OPEN INTERFACES**

The UTStarcom Sonata OMC – Operations Maintenance Center provides a comprehensive platform for managing components of the UTStarcom MovingMedia® 2000 Sonata product line. This open, standards-based, and scalable solution enables centralized maintenance and administration of distributed wireless network elements and subscriber data. By centralizing functions within a consistent management framework, wireless operators benefit from improved operational efficiency and lower costs.

COMPREHENSIVE FEATURE SET

The OMC features a consistent, common user interface and a complete set of powerful integrated features, providing tools such as centralized monitoring of events and alarms. Sophisticated management tools streamline network configuration, enabling rapid network and service deployment. Additional capabilities enable network operators to quickly identify problems, optimize network resources, and ensure quality of service (QoS). The OMC leverages the XML format to store Call Detail Records (CDRs), simplifying integration of billing and customer care systems, while lowering costs. Network operators can easily mediate CDRs for use with alternative formats for any billing system.

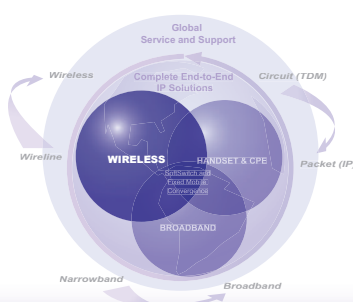
FCAPS MANAGEMENT

With the OMC, operators benefit from an advanced and comprehensive set of fault, configuration, accounting, performance, and security (FCAPS) management capabilities.

Features include:

- **Fault Management**– Tools for alarm surveillance, fault localization, and fault correction assure network and service availability.
- **Configuration**– These tools enable easy configuration of Sonata core and access network products for rapid service deployment; operators can administer network and subscriber configuration data of all distributed components from a central location.
- **Accounting**– The OMC stores CDRs from managed elements in a central repository for use with operational support systems such as billing systems.
- **Performance**– Near real-time performance statistics in graphical and tabular format assist in day-to-day and long term planning.
- **Security**– Lightweight Directory Access Protocol (LDAP)-based tools enable system-level security.

The Sonata OMC is built using industry standard management protocols such as XML, SNMP and CORBA. These open interfaces simplify and reduce the cost of integrating with the operator’s existing and future Operational Support Systems.



HARDWARE

Sun Microsystems Ultra SPARC platforms

Sun Microsystems Solaris 8

Java J2RE

CAPACITY

Ten simultaneous OMC users/clients

Five hundred managed elements per OMC instance

EXTERNAL INTERFACES

Alarms / Events:CORBA, SNMP

Configuration management:CORBA

Call detail records (CDR):XML, Binary

Performance statistics:XML

COMPATIBILITY

Sonata MSC Media Switching Center Server

Sonata IMG Intelligent Media Gateway

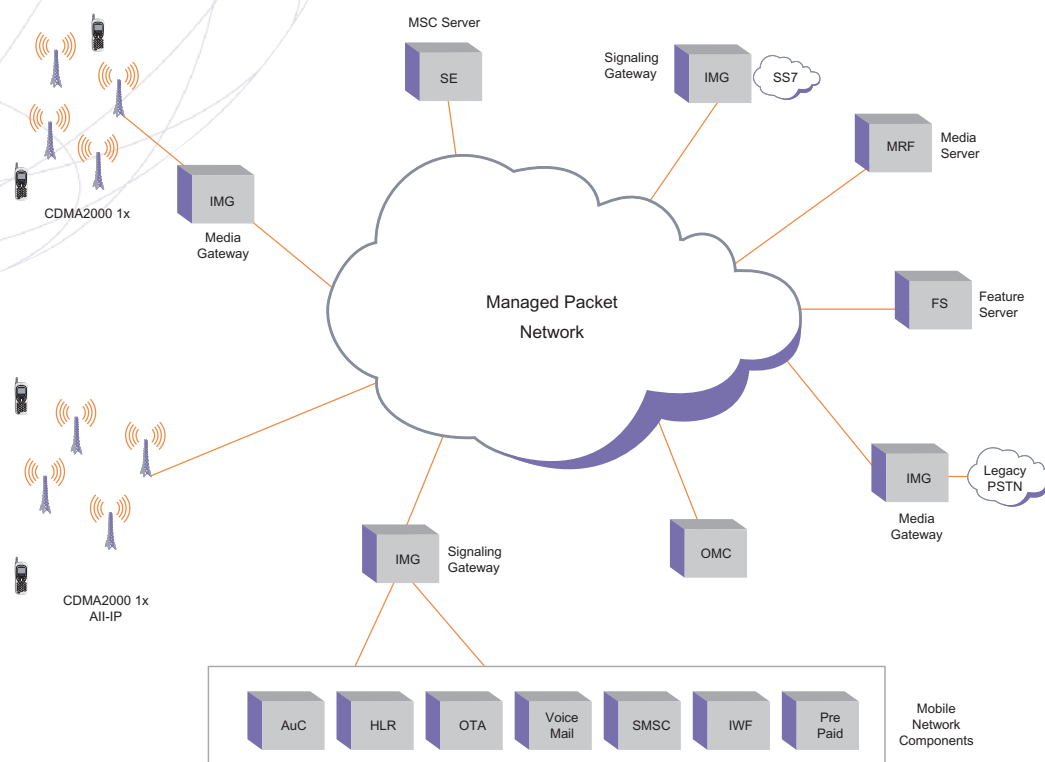
Sonata SGW Signaling Gateway

Sonata HLR Home Location Register

Sonata AuC Authentication Center

iCell base station

DISTRIBUTED IP-BASED WIRELESS ARCHITECTURE



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About UTStarcom, Inc.

UTStarcom is a global leader in IP-based, end-to-end networking solutions and international service and support. The company sells its broadband, wireless, and handset solutions to operators in both emerging and established telecommunications markets around the world. UTStarcom enables its customers to rapidly deploy revenue-generating access services using their existing infrastructure, while providing a migration path to cost-efficient, end-to-end IP networks. Founded in 1991 and headquartered in Alameda, California, the company has research and design operations in the United States, China, Korea and India. UTStarcom is a FORTUNE 1000 company. For more information about UTStarcom, visit the company's Web site at www.utstar.com

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