



Section 8. Product Literature

Product Literature is included on the pages that follow.



MCC 7500 IP Dispatch Console

For ASTRO® 25 Radio Systems



MCC 7500 Console is specifically designed for Mission Critical



Integrated With ASTRO®25 Networks

Motorola IP systems are optimized to perform to robust customer specifications for Mission Critical voice and data communications. ASTRO 25 complies with Project 25 interoperability specifications while network interfaces based on standard IP bring additional value to the network. MCC 7500 IP Console provides:

- Emergency calls prioritized to get through no matter how busy the network.
- Voice quality and intelligibility optimized to eliminate clipped or degraded audio.
- High quality audio maintained despite increasing traffic loads.
- Calls set up in a fraction of a second, regardless of the size of the system.
- Voice messages consistently delivered in the shortest possible times.
- Call traffic quickly re-routed in the event of an IP network path failure, minimizing lost audio and any impact on the end user.
- Dispatch performance enhanced and bandwidth efficiency improved by using IP multicast technology.
- Conventional channels link to the IP network using the same audio transport as trunked audio.
- Simplified dispatch operations and optimized operational efficiencies when integrated with PremierOne™ CAD.



The Motorola MCC 7500 Dispatch IP Console

Seamlessly integrated into ASTRO 25 radio networks, the MCC 7500 Console provides interoperability, cost, savings, and security advantages for today's critical communication needs. MCC 7500 consoles connect directly to the IP network without interface boxes, digital voice gateways, or backroom electronics for an integrated mission critical network. Conventional channels link to the IP network and use the same audio transport as trunked audio.



Meets your demand to

Mission Critical IP communication.



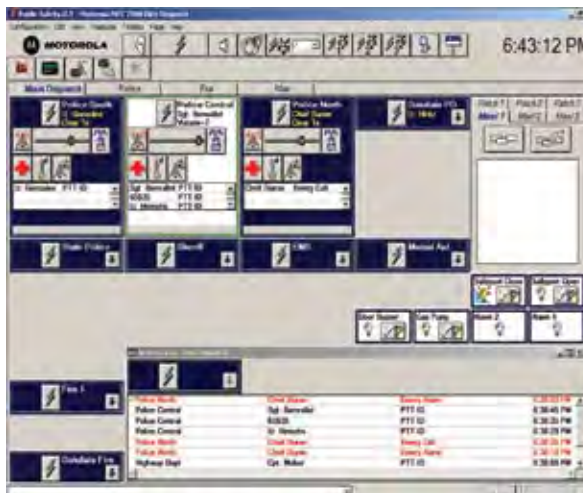
True End to End Encryption from the radio all the way through the console position. The MCC 7500 Dispatch Console goes beyond vocoded audio and uses true encryption technology, the only reliable means to keep your critical communication secure. Each MCC 7500 console supports up to 4 encryption algorithms simultaneously.

With **Agency Partitioning**, departments or agencies can share a system for cost savings and interoperability, yet manage and maintain control over their own resources, such as talkgroups, encryption keys, and configuration data.

Centralized Network Configuration and Fault Management dispatch positions allow changes to be automatically distributed throughout the system, providing vital efficiency. Access to the network manager from multiple remote locations via standard IP methods means users can still have convenient access while enjoying the benefits of centralized management.

Enhanced, Integrated Logging Recorder is available for the MCC 7500 Console providing digital recorded audio at the same high quality level as heard through the dispatch positions. Digital recorders integrated into the radio system reap the benefits of agency partitioning, centralized management and network security, meeting a wide range of ASTRO 25 customer requirements.

PremierOne™ CAD Integration further simplifies dispatch operations, improves data accuracy and enhances operational efficiencies by combining the common, intuitive user interface of PremierOne CAD with the reliable field personnel communications capabilities of the MCC 7500. Agencies that choose to integrate the MCC 7500 Console features with the PremierOne CAD common platform will gain the ability to automate common operations and get a real-time, comprehensive view of the personnel and equipment being supported in the field.



Customer Accepted Interface

Efficient, easy to use and intuitive, having been refined and proven through years of use in public safety dispatch centers around the world.

protect, prevent and respond to Mission Critical operations.

MCC 7500 Console

Command and Control Solutions Designed Around You

The MCC 7500 IP Dispatch Console is part of Motorola's extensive portfolio of communications and information solutions designed to address mission-critical public safety and security requirements worldwide. The MCC 7500 dispatch solution meets Motorola's rigorous quality standards to bring you the peace of mind you need in an emergency operation.

- Compatible with existing ASTRO 25 radio systems with forward migration to protect and leverage your investment.
- Software-based upgrades ease system and feature expansion. Re-use of the Elite Graphical User Interface (GUI) helps minimize dispatcher training.
- Works together with CENTRACOM® Elite console providing robust feature interaction.
- Installation is simplified and site costs are reduced since the console operator position functions without backroom electronics.
- Console configuration is performed at a centralized Network Manager client, with changes distributed automatically, saving valuable technician and administrator time.
- More robust service logs, containing real-time information, facilitate maintenance activities.
- Integration into the system's central fault standard event monitoring protocols, means fewer site visits.
- Flexible bandwidth requirements minimize operating costs for all remote console locations.
- Conventional audio is transported by the same IP network, eliminating the need for channel banks or a separate circuit switch network.

MOTOA4 Portfolio

The MCC 7500 IP Dispatch console operates within an ASTRO 25 network and is part of the MOTOA4 Mission Critical portfolio of products — offering seamless connectivity between the officer in the field and the dispatcher. The MCC 7500 puts real-time information in the hands of public safety personnel providing better information for better decisions. It's Technology That's Second Nature™.



MOTOROLA

Motorola, Inc.
1301 East Algonquin Road
Schaumburg, IL 60196 U.S.A.
+1 800 367 2346
www.motorola.com/publicsafety

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MCC 7500

IP Dispatch Console



The Motorola MCC 7500 IP Dispatch Console is designed to ease the complex job of a mission critical radio system dispatcher.

Easy to Use, Flexible, and Customizable User Interface

Features the Elite Graphical User Interface (GUI) that has been refined and proven through years of use in mission critical dispatch operations. This

eases migration and minimizes user training requirements.

Intuitive and familiar GUI is based on Microsoft Windows® and uses easily recognized icons and aliases.

Flexible and customizable GUI provides multiple screen layouts (folders) to organize resources by agency, shift, or any criteria that meets the needs of the console user(s).

Trunked and conventional radio channels are customizable with various controls, such as patch status, frequency select, coded/clear select, and individual volume control, based on user preferences. Per-channel controls can be fully or partially shown, or hidden to save space on the screen.

Busy dispatchers can respond to a missed call by simply clicking on an entry in the Activity Log.

The number of calls and call information displayed in the Activity Log is customizable to suit the needs of the user(s).

The status of auxiliary inputs and outputs is conveniently interpreted from the GUI with the use of familiar graphical icons, such as a door shown open or closed.

The MCC 7500 Dispatch Console is a Mission Critical IP command and control solution designed to ensure optimal quality audio and reliable communication. Console positions are connected directly to the IP network which supports communication with both trunked and conventional radios and all other dispatch

activity. Integration of the MCC 7500 positions with the radio system enables full participation in end-to-end voice encryption for secure communication, priority handling of emergency calls, and Agency Partitioning. Each console is centrally configured and managed from the network manager, providing vital efficiency.

SPECIFICATION SHEET

MCC 7500
IP Dispatch Console

Operator Position Components



Voice Processor Module



Gooseneck Microphone



Recommended Plantronics SupraPlus headset pictured. Two headsets are accommodated by the MCC 7500 Headset Jack box (not shown), which is useful for supervisory applications.



Standalone Speakers provide ample flexibility.

Optional Footswitch not pictured

Key Interoperability Features

Works with CENTRACOM Gold Elite™: The MCC 7500 console can be combined in the same dispatch center with CENTRACOM Gold Elite, with robust feature interaction.

Agency Partitioning: Allows multiple agencies to share a system to gain interoperability and cost savings benefits, while still maintaining control of their own channels, encryption keys, console configuration, etc.

Priority for Emergencies: Transmit Priority Levels provide an orderly and consistent method for ensuring higher priority

transmissions are able to take over resources from lower priority transmissions.

Optimized Patch Functionality: MCC 7500 console users can patch communication between trunked and/or conventional radios that are normally unable to communicate with each other.

Patched radio users see the ID or alias of the other patched radio(s), as opposed to that of the console. This minimizes confusion and the need for the dispatcher to intervene in the call.

Patches are automatically re-established if interrupted so the MCC 7500 user can concentrate on

continuing operations.

Enhanced Secure Operation: Encryption and decryption services within each dispatch operation position enable dispatchers to fully participate in secure communications while keeping the sensitive, vital information completely encrypted between the dispatcher and the radio users.

Dispatchers can interface with agencies that have different encryption configurations without any manual intervention or delay. Up to 60 calls using up to four different algorithms and multiple secure keys can be supported simultaneously.

To help reduce dispatcher stress and potential errors when managing encrypted audio situations, indicators and alerts are provided when the console mode does not match that of a received call; or when a patch or multi-select group is being set up between a mix of clear and secure channels.

Integrates with Motorola PremierOne™ CAD: The MCC 7500 can be integrated with the Motorola PremierOne CAD common platform and intuitive user interface to simplify dispatch operations, improve data accuracy and enhance operational efficiencies.

The MCC 7500 dispatch solution consists of the following:

MCC 7500 Dispatch Console Operator Position

MCC 7500 operator positions connect directly to the radio system's IP transport network without gateways or interface boxes. Audio processing, encryption, and switching intelligence for dispatch is performed within each software-based operator position, without additional centralized electronics. Consoles function as integrated components of the total radio system, enabling full participation in system level features such as end-to-end encryption and agency partitioning.

Operator position hardware consists of a monitor, personal computer, keyboard and mouse/trackball/touchscreen, speakers, audio accessories, and a Voice Processor Module (VPM). The VPM provides connections for analog devices to be connected to the digital console. The low-profile VPM can be rack mounted, furniture mounted, or placed on the desktop.

The MCC 7500 console system does not require separate configuration or performance management equipment. The MCC 7500 console system is configured and managed by the radio system's configuration manager, fault manager and performance reporting applications. This provides the customer with a single point for configuring

and managing the entire radio system. Changes are automatically distributed throughout the system. This centralized approach saves valuable time and efforts for system administrators and technicians.

Conventional Channel Gateway (CCGW)

The CCGW enables trunked system users to incorporate analog conventional channels into their dispatch operations without a separate hardware network and channel banks. Conventional audio is transported between the dispatch consoles and the CCGWs by the same IP network that is used for the trunked audio. The CCGW provides E&M and tone remote station control and supports the 4-wire analog connections for conventional. Each CCGW in a system can support up to four analog channels.

Digital CCGW (DCCGW)

The DCCGW enables trunked system users to incorporate ASTRO 25 conventional channels into their dispatch operations without a separate hardware network and channel banks. ASTRO 25 conventional audio is transported by the same IP network used for the trunked radio. The DCCGW provides digital control of the station via a V.24 connection. Each DCCGW can support up to two ASTRO 25 conventional channels.

SPECIFICATION SHEET

MCC 7500
IP Dispatch Console

Auxiliary Input/Output Server

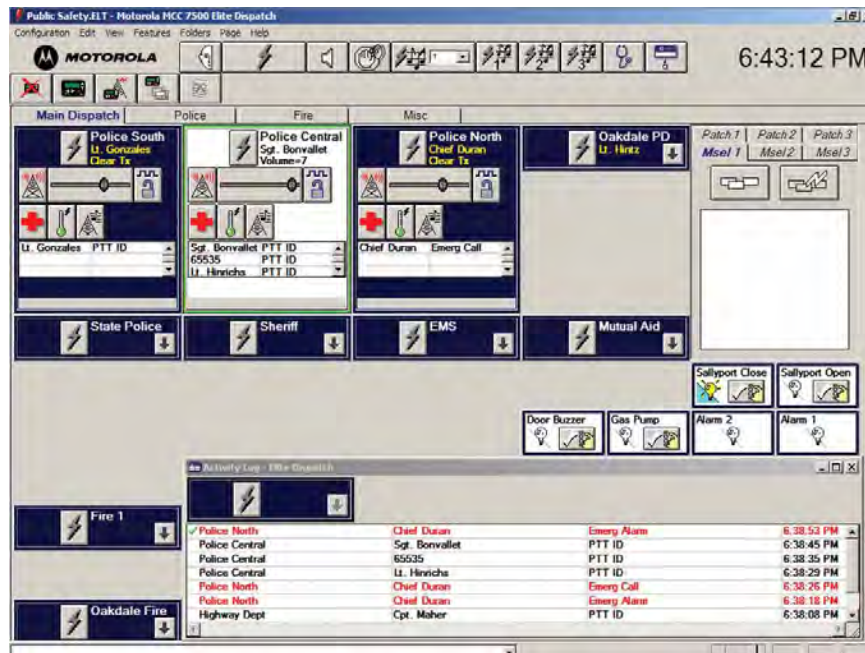
The Auxiliary Input/Output server enables console operators to control and monitor external devices, such as doors and lights, from the console user interface. Since the MCC 7500 Dispatch Console does not rely on centralized electronics, contact closures and input buffers required to interface to these devices are housed in Remote Terminal Units (RTUs). These RTUs can be physically located close to where they are needed, at any console site or RF site. The dispatch consoles and RTUs communicate with each other across the radio system's IP transport network.

Archiving Interface Server (AIS)

The AIS is a digital logging interface, comprised of a personal computer and a VPM. Each AIS works with an IP-based logging recorder. Audio and call control information is sent across the IP network between

the AIS and recorder. Highly configurable, the MCC 7500 logging solution includes:

- Recorded audio quality equivalent to audio heard at console position
- Information associated with radio calls recorded in addition to the call audio.
- Dispatcher and radio initiated events on radio channels (such as changing the frequency, sending an alarm) are recorded.
- Recorder capacity based on the number of radio transmissions it will need to record simultaneously, not on the number of channels it may record.
- Supports Agency Partitioning, enhancing control over which resources are recorded by which agency or department.
- Security and fault management centralized at the radio system's network manager.



The MCC 7500 Dispatch Console connects directly to the IP network without interface boxes, digital voice gateways, or backroom electronics, providing your organization with important interoperability and cost savings for today's Mission Critical operations.

SPECIFICATION SHEET

MCC 7500
IP Dispatch Console

SPECIFICATIONS

System Compatibility	ASTRO® 25 System and PremierOne™ CAD Application	
Vocoder Algorithms supported	AMBE, IMBE, ACELP, G.728 (for Analog Conventional)	
Encryption Algorithms supported	AES (256 bit), DES-OFB, DVI-XL, ADP (Advanced Digital Privacy)	
Monitor requirements		
With Mouse or Trackball	17" minimum, 20" recommended	
Touchscreen	20" minimum	
Voice Processor Module (VPM) connections	Device	Connector type
	One desktop microphone	RJ45
	Two headset jacks connectors	DB15
	Four desktop speakers	RJ45
	One local logging recorder	RJ45
	One radio instant recall recorder	RJ45
	One external telephone set	RJ45
	One external paging encoder	RJ45
	One footswitch	RJ45
VPM mounting options	EIA 19" rack mount, console furniture mount, Desktop – supports monitor up to 80 lbs	
VPM audio inputs and outputs	600 Ohm, balanced and transformer coupled (except for microphone which is 2000 Ohm, balanced, and does not use a transformer)	
Speaker Mounting Options	Desktop, furniture mount, or wall mount (with bracket accessory)	
Dispatch Console Cable Lengths	VPM to Speaker cable	10.1 feet (3.09 meters) standard
	VPM to Headset Jack cable	6 feet (1.8 meters) standard
	Headset Jack Extension cable	6 feet (1.8 meters) standard
	VPM to Microphone cable	10 feet (3.05 meters) standard
	VPM to Footswitch cable	10 feet (3.05 meters) standard
Supported Console Site Link types	Fractional T1/E1, Single T1/E1, Multiple T1/E1s Redundant and non-redundant versions are supported IP site links	
MCC 7500 Dispatch Console Capacities	Up to 60 simultaneous audio sessions per console Up to 60 simultaneous encryption/decryption sessions per secure capable console Up to 3 Multi-Select groups per dispatch console (with up to 20 members per Multi-Select group) Up to 16 Patch groups per dispatch console (with up to 20 members per Patch group) 160 resources per operator position	
Conventional Channel Gateway (CCGW)	Rack mountable, 1 rack unit high T1R1, T2R2, T4R4, T8R8, T12R12, T14R14 channels Each CCGW provides four RJ45 connector ports for interfacing to analog conventional base stations. Each port contains the following inputs and outputs: <ul style="list-style-type: none">• 600 Ohm, balanced analog audio input – To accept radio audio from the station• 600 Ohm, balanced analog audio output – To send console transmit audio to the station• Input buffer – To detect Carrier Operated Relay (COR) closure in the station• 1 Amp, 24 VDC relay output – For relay keying of the station Can be configured to support AGC, DLM, or no input conditioning	
Digital Conventional Channel Gateway (DCCGW)	Rack mountable, 1 rack unit high T1R1, T2R2, T4R4, T8R8, T12R12, T14R14 Each DCCGW provides two RJ45 connector ports for interfacing to ASTRO 25 conventional base stations V.24 to station or comparator. No Digital Interface Unit (DIU) required	

SPECIFICATION SHEET

MCC 7500
IP Dispatch Console

SPECIFICATIONS (cont'd)

Auxiliary Input/Output

Server Hardware

A simplified, user-friendly version of the MOSCAD SDM 3000 RTU is used to support most MCC 7500 dispatch console Aux I/O needs.
The output relays are capable of switching 1A @ 24VDC or 1A @ 24VAC.
Input buffers are capable of sensing a dry closure through 1000 feet or less (round trip) of 24 AWG wire.
The RTU provides single pole Form A relay outputs. (Double pole, Form B or Form C relays must be implemented using external relays which are controlled by the RTU relays.)

Auxiliary Input/Output Capacities	Number of Output Relays	Number of Input Buffers
Single SDM 3000 RTU	16	48
Single SDM 3000 RTU with 1 expansion chassis	32	96
Single SDM 3000 RTU with 2 expansion chassis	48	144

Auxiliary Input/Output Mounting

Each SDM 3000 RTU and each SDM 3000 RTU Expansion Chassis is rack mountable in a standard 19 inch rack and is one rack unit high.

SIZE AND WEIGHT	DEVICE	HEIGHT	WIDTH	DEPTH	WEIGHT
	VPM	1.75 inches	16.9 inches	12.3 inches	3.6 lbs
		44.5 millimeters	430 millimeters	312 millimeters	1.6 kg
	Speaker	4.9 inches	4 inches	<i>Without bracket:</i>	0.7 lbs
		124 millimeters	102 millimeters	3.5 inches	0.3 kg
				89 millimeters <i>With bracket:</i> 5.8 inches 146 millimeters	
	Headset Jack	1.6 inches	5 inches	6 inches	1.2 lbs
		41 millimeters	127 millimeters	152 millimeters	0.5 kg
	Microphone	<i>Gooseneck at 90°:</i>	4.8 inches	6.6 inches	2.4 lbs
		4.5 inches	121 millimeters	168 millimeters	1.1 kg
		114 millimeters			
		<i>Gooseneck at 180°:</i>	21.8 inches		
		552 millimeters			

POWER CONSUMPTION AND THERMAL

Device	Power Input	Thermal Output
VPM	0.4 Amps at 120VAC 0.2 Amps at 240VAC	171 BTUs/hour
Speaker	Add 0.05 Amps per speaker to VPM power Input at 120VAC (0.025 Amps at 240VAC)	Add 15 BTUs/hour per speaker to VPM thermal output
Headset Jack	negligible	negligible
Microphone	negligible	negligible

SPECIFICATION SHEET

MCC 7500
IP Dispatch Console

CERTIFICATIONS

	The various hardware elements of the Motorola MCC 7500 dispatch console product line are certified to meet the requirements for UL, CSA and CE.
Safety	CSA 60950-1-03 / UL 60950-1 EN60950-1 2001
EMC Emissions & Immunity	FCC part 15 Class A ICES-003 EN55022 1998 + A1: 2001 + A2:2003 (CISPR-22 Class A) EN55024 + A1:2001 + A2:2003 EN61000-3-2 2000 EN61000-3-3 1995 + A1:2001



Motorola, Inc. 1301 E. Algonquin Road, Schaumburg, Illinois 60196 U.S.A. www.motorola.com/governmentandenterprise +1 800 367 2346

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MCC 7500 IP Logging Recorder Specification Sheet

Overview

The MCC 7500 IP Logging Recorder and Archiving Interface Server provides a mission critical IP-based digital logging solution for ASTRO® 25 trunking systems. The solution, a collaborative effort between Motorola and NICE® Systems Inc, was designed to work with the MCC 7500 Dispatch Console and is the only fully integrated and certified IP radio recording and replay solution for Motorola's ASTRO® 25 network. The seamless integration with Motorola's IP infrastructure coupled with the advanced solution application for scenario reconstruction and analysis, helps improve productivity and provides insight from citizen interactions for public safety agencies.

Integrated Digital Recording

Key to the value and strength of the Motorola MCC 7500 IP logging recorder solution is its integration and certification with the Motorola ASTRO® 25 network. The product resides on the radio system's IP network enabling the logging solution to provide more than just audio recording. Valuable data associated with each call including radio ID, Alias, and talk group is captured. In addition, tasks or events performed by the dispatcher such as emergency alarms, supergroup patches, changing tactical/normal selection on a talkgroup are presented as graphical icons in the Scenario Replay™ application.

The MCC 7500 IP logging solution is fully digital. Audio is recorded in its native vocoded format and the recorder stores it in the same form in which it was passed through the radio system. This eliminates degradation, allowing for optimal audio quality.

The addition of secure capability to the dispatch console and the archiving interface server provides true end to end encryption, providing a high degree of security for public safety customers.

Radio voice messages remain encrypted the entire time they are being transported between the dispatch console and the two-way radio.

Integration with the ASTRO 25 system also enables agency partitioning. This partitioning allows control and access over what each agency (e.g. Police, Fire, Public Works) in a communication system is able to playback.

The MCC 7500 IP logging solution provides the flexibility of centralized and/or distributed logging of conventional and trunked radio audio, associated radio call information and certain radio system events.

The MCC 7500 IP Logging Recorder solution consists of the following:

Archiving Interface Server (AIS) – The AIS is the interface between the radio system and the logging recorder solution. This allows calls on the radio system to be recorded along with call related information on the logging recorder. The AIS monitors identified resources, passes call-control information to the logging recorder, and redirects audio for those monitored channels to the logging recorder. An AIS is required for each logging recorder used in a system.

MCC 7500 IP Logging Recorder – The logging recorder server stores the captured audio and data received from the Archiving Interface Server (AIS). The system administrator specifies which talkgroups, conventional channels, etc. are recorded by the recording system. The AIS passes call control information and vocoded audio packets associated with radio calls to the recorder system for storage and retrieval.

In an IP environment, there are no longer dedicated analog outputs for each channel being recorded. Instead, the audio and call control information associated with a call is sent across the IP network to the recorder. To take maximum advantage of this architecture, the recorder is specified in terms of the number of simultaneous transmissions it can record instead of the number of channels it can record. The recorders have the same capacity as the Archiving Interface Server (AIS), and can handle up to 120 simultaneous calls. The simultaneous call capacity of a recorder includes all the trunked talkgroups and conventional channels being recorded. Recorded audio and data is written to a DATA 72 for archiving purposes.

Type of radio calls recorded includes:

- Announcement Group Calls
- Site-wide Group Calls
- Talk Group Calls
- Analog and Digital Conventional Calls via Digital Conventional Channel Gateway
- Emergency on Trunking/Digital Conventional

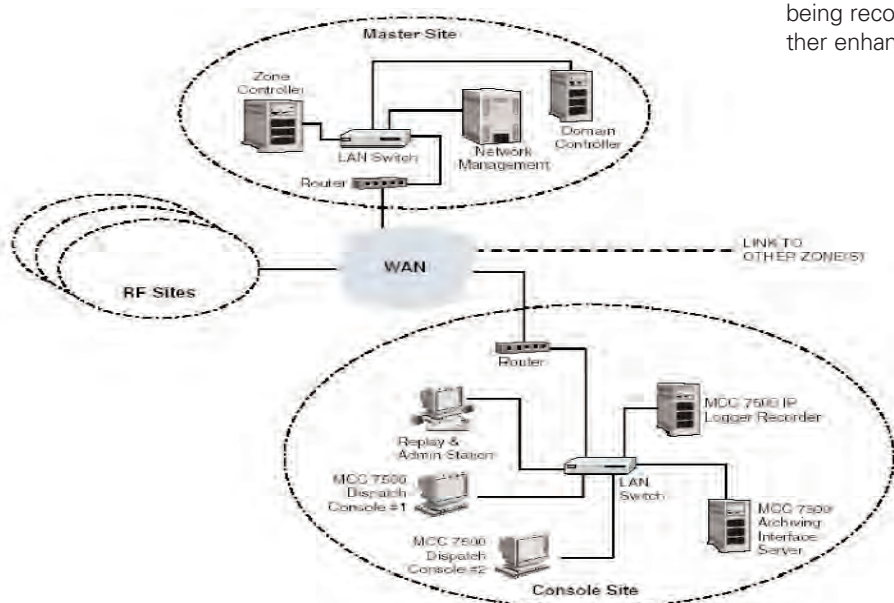
Information collected with each recorded call includes:

- Date and time stamp
- Type of call with ID and Alias (if applicable) e.g. Talkgroup name
- Unit ID of the device originating the call
- Unit ID alias of the device originating the call
- Site ID where the call originated
- Zone ID where the call originated
- Secure on non-secure call designation

Dispatcher-initiated events recorded include:

- Call Alert
- Emergency Alarm
- Emergency Acknowledge & Knockdown
- Repeat Control
- Resource Status
- Talk Group Priority Status
- Main/Alt Status
- Frequency Control

Replay Workstation – The replay workstation is comprised of a personal computer where the Scenario Relay software application resides. It is at the replay station where the recorded audio is devocoded, converted to analog, and sent to a speaker. Because the replay station supports all the vocoders used in the radio system and uses the same error mitigation techniques as the MCC 7500 dispatch console, the audio being played back has the same level of audio quality as at the MCC 7500 dispatch console. A call can be saved on a replay station either as a complete call (audio and any information associated with the call) or as a simple .wav file. A replay user account can be configured with access rights to the radio resources being recorded by the logging system which further enhances agency partitioning functionality.



Scenario Relay™ Application – Audio and events which have been recorded by the logging recorder(s) are accessed on the replay workstation via the Scenario Replay application. A state-of-the-art multiple channel search and replay tool, Scenario Replay is used across the MCC 7500 IP Logging Recorder, NiceLog®, and NiceCall® Focus III platforms providing the ability to seamlessly retrieve audio and/or data from radio and telephony communications. Scenario Replay's most powerful facility is its ability to recreate the communications around an incident, just as they happened. Presented in a graphical time view, the search results can be broken down by individual channels, talk groups, or unit ID's. Filters are the key to this simple, yet powerful, call and data retrieval. Within each filter, multiple criteria including date and time ranges, single or multiple Radio ID's or Alias', single or multiple Talk Group ID's or Alias', or even Multi-group (Patch/Multiselect) can be selected to refine searches. The system then searches the calls on the logging recorder server retrieving the appropriate call audio and data. Once retrieved, replay controls enable play, pause, stop, skip forwards or backwards, variation of replay speed, Automatic Gain Control, play markers to isolate a specific section, and a variety of other options can be used to analyze the calls and data. For a more detailed analysis or for evidential purposes, scenarios may be output to electronic files as either .wav or complete scenarios. With its intuitive GUI, powerful filtering capabilities, and file output capabilities, users get the information they need for analysis, investigation, and evidence both quickly and easily.

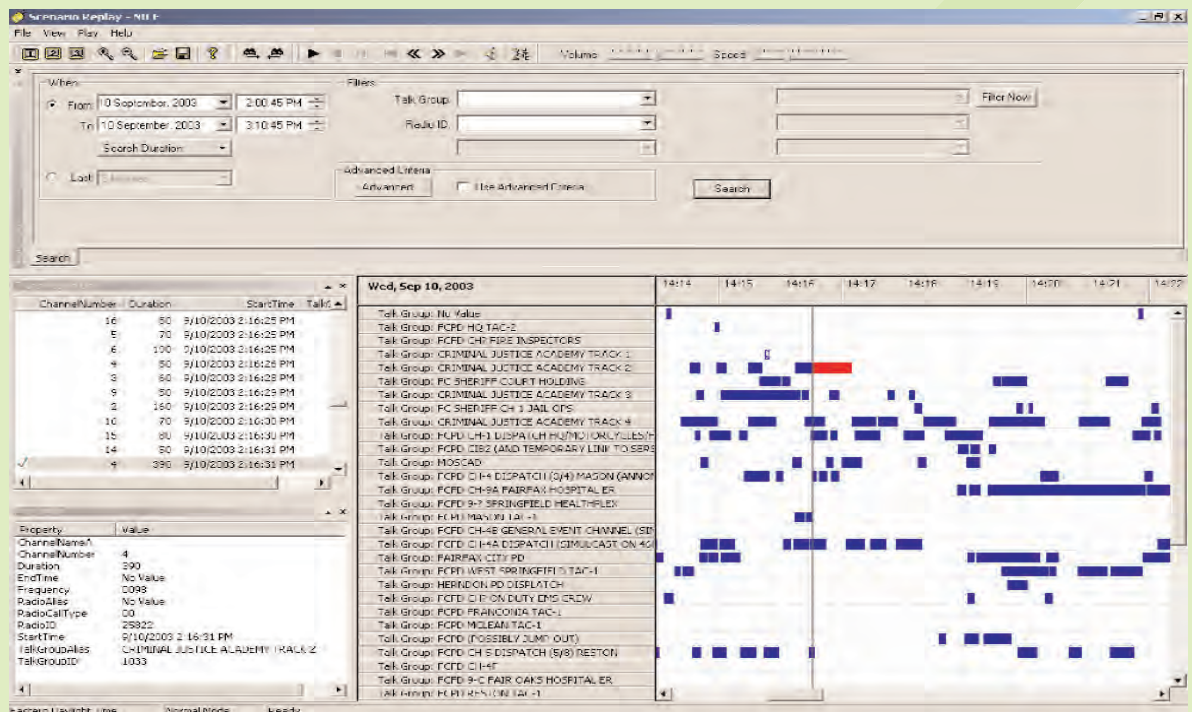
Scenario Replay Highlights:

- Information is presented using pre-configured views ordered by **Resource Alias, Individual Alias or Unit ID** (Console or Radio).
- Replay permissions are controlled by user accounts that limit the user to replaying calls on authorized resources.
- System-wide view of all calls, either list or graphical view, with call transmission information, to provide maximum flexibility.
- Multiple advanced search criteria using any database field and numerous logical operators to drastically reduce search times.

Administrator Application – The logging recorders and replay workstations used in the logging sub-system are configured and managed by a common administration application called NICE Administrator. This application allows configuration of all system resources, Users, User replay security, Loggers and CLS databases and resides on the replay workstation.

The system administrator can control the following:

- Talk groups and conventional resources recorded
- Secure and non-secure calls recorded
- Prioritizing talkgroups and conventional resources used in determining which calls to shed when capacity limits are exceeded
- Assigning access rights for replay station user accounts
- Various operational characteristics of the recorders



FACT SHEET

MCC 7500 IP LOGGING RECORDER

Specifications

The MCC 7500 IP Logging Recorder utilizes an Intel® Xeon® Processor server with three logical drives in a RAID 5 array configuration providing up to 75,000 on-line channel hours, dual DAT 72 archive drives, a DAT 160 archive drive, hot plug redundant fan, redundant power supply, and Windows™ 2003 R2 Server. It is scalable to add capacity with the purchase of additional call licenses. Two HP StorageWorks 1U Rack-Mount kit housings are used to house the DAT archiving drives.

MCC 7500 IP Logging Recorders:

TT1092 30 Simultaneous Call Audio and Event Archiving Recorder
TT1094 120 Simultaneous Call Audio and Event Archiving Recorder
TT04554 10 Simultaneous Call Capacity Increase (Up To 120 Simultaneous Call Max)

MCC 7500 IP Logging Recorder Resiliency Features & Options

Audio Archiving Devices:

HP StorageWorks DAT 72 Tape Drive (x2)

NiceCLS™ Backup Devices:

HP StorageWorks DAT 160 Tape Drive

MCC 7500 IP Logging Recorder Playback Workstations:

DDN8463 Playback Workstation (no LCD)
DDN8663 Playback Workstation w/17" LCD Display, Keyboard, and Mouse
DDN9588 Vista Playback Workstation (no LCD)
DDN9589 Vista Playback Workstation w/17" LCD Display, Keyboard, and Mouse

Note: ASTRO 25 release 7.7 or later systems support only Vista replay station

Vocoder Algorithms Supported

Different vocoder formats are used; IMBE (4.8 kb/s) in ASTRO 25 systems 7.5 or earlier and AMBE+2 in 7.6 and later, ACELP (5.1 kb/s) in Dimetra® systems and G728 (16 kb/s) for conventional calls.

Technical Specifications*

	IP Recorder HP DL360 G6	Replay Workstation HP XW4600
Height	1.70"	17.7"
Width	16.78"	6.7"
Depth	27.25"	18.0"
Weight (Typical Config)	32-39.5 lbs	33 lbs
Rated Line Voltage	100 to 240 VAC	90 to 264 VAC
Rated Input Current	4.5 Amps (@ 120 VAC)	100 to 240 VAC
Rated Input Frequency	50 to 60 Hz	50 to 60 Hz
BTU Rating	1773 BTU / hr (@120 VAC)	2,415.4 BTU/HR (Max)
Steady State Power (Power Supply)	460 W (@ 100 VAC)	460 W (continuous) Auto-ranging
Max Peak Power (Power Supply)	460 W (@ 100 VAC)	460 W (continuous) Auto-ranging
Temperature Range (Operating)	50° to 95° F	40° to 95° F
Relative Humidity (Operating)	5% to 95%	8% to 85%

*Specifications are subject to change. Go to www.motorola.com/dispatch for the most up-to-date specifications.



MOTOROLA

1301 E. Algonquin Road, Schaumburg, Illinois 60196
800-367-2346

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