

# Storyboard: MT923 CD-I 4/12/95

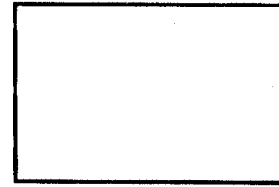
## Audio

**Script**  
*music fades up*

**Script (Hector's Voice)**

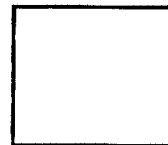
**Script (Scott's Voice)**

## Video



### ACCUGRAPH

Accugraph logo animation. This animation is not user interruptible.



Hector Holguin  
C.E.O  
Accugraph

DYUV movie: short video 15-30 seconds of Hector introducing Accugraph and CD-I



Scott Munden  
Product Manager  
Accugraph

DYUV movie: short video 15-30 seconds of Scott introducing Network management.

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## Audio

### Script

*user selects "Demonstration"*

### Script

*user selects "Network Management"*  
*/opt/SCRIPTS/1demo.HS91*

### Script

*user selects "Configuration Management"*  
*/opt/SCRIPTS/demobr1a.HS61*

## Video

### Main Menu

**Demonstration**  
Key Questions  
Glossary

MAIN PREV MAP HELP

Asset # MM.cl7

### Demonstration

<b>Network Management</b> Mt923 Basics Drawing with MT923 Designing Your Network Network Components Adding a "Managed Object"	<b>Trouble Tickets</b> Moves, Adds and Changes Perform an Adhoc Query Working with Groups Connectivity Analysis Implementing MT923
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MAIN PREV MAP HELP

Asset # DMO.cl7

Section duration = 03:09:00

### Network Management

**Configuration Management**  
MT923Defined  
Platforms Supported

MAIN PREV MAP HELP

Asset # TT1

(Slide show duration = 01:12:00)

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## Audio

### Script (Scott's Voice)

*music fades up*

Configuration management is an essential component of network management.

### Script (Scott's Voice)

It addresses both tactical and strategic issues that network managers face in today's complex networking environment.

### Script (Scott's Voice)

Used in conjunction with other network management products, Accugraph's network information software...

## Video

**Fault Management  
Configuration Management  
Accounting Management  
Performance Management  
Security Management**

Asset # s1a1

Artwork: Diagram of Enterprise Wide Network Management with Configuration Management highlighted.

Asset # s1a2

Artwork: Diagram of Enterprise Wide Network Management with Configuration Management highlighted.

Asset # s1a3

Artwork: Diagram of Network Management Products (i.e. Relational Database, Trouble Tickets, Logical Network Managers, and Physical Network Managers)

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## Audio

### Script (Scott's Voice)

...completes the suite of tools required for enterprise network management.

### Script (Scott's Voice)

Let's look at some facts that help justify why you are making the investment in documenting your network. Well-documented industry figures include:

### Script (Scott's Voice)

35% of your physical infrastructure changes annually

## Video

Asset # s1a4

Artwork: Different products from previous slide fit together into a puzzle.

### Industry Figures

Asset # s1a5

Artwork: Background for bullet field

### Industry Figures

• 35% of your physical infrastructure changes annually

Asset # s1a6

Artwork: First bullet

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## Audio

### Script (Scott's Voice)

40% of these changes go undocumented

### Script (Scott's Voice)

The average network is down 4 hours per week at an average cost of \$5,000 per hour.

### Script (Scott's Voice)

Accugraph is recognized by the platform providers as a leader in the area of configuration management.

## Video

### Industry Figures

- 35% of your physical infrastructure changes annually
- 40% of these changes go undocumented

Asset # s1a7

Artwork: Second bullet

### Industry Figures

- 35% of your physical infrastructure changes annually
- 40% of these changes go undocumented
- The average network is down 4 hours per week

Asset # s1a8

Artwork: Third bullet

Asset # s1a9

Artwork: graphic showing platform providers showing Configuration Management and Accugraph.

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## Audio

### Script (Scott's Voice)

With our suite of applications, Accugraph is uniquely positioned to provide our customers with a complete set of tools for addressing all areas of configuration management.

*dissolve to TT1 "Network Management Menu"*

### Script

*user selects "MT923 Defined"*  
*/opt/SCRIPTS/demobr1b.HS88*

### Script (Scott's Voice)

*music fades up*  
MT923, Accugraph's network information software, contains a suite of tools for documenting and managing your physical infrastructure.

## Video

Asset # s1a10  
Artwork: Graphic showing suite of Accugraph products.

**Network Management**  
Configuration Management  
**MT923 Defined**  
Platforms Supported

MAIN	PREV	MAP	HELP
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Asset # TT1  
(Slide show duration = 01:00:00)

Asset # s1b1  
Artwork: show suite of tools

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## Audio

### Script (Scott's Voice)

MT923 acts as an interface between the logical network node manager

### Script (Scott's Voice)

and the trouble ticket application to provide physical locators for network components.

### Script (Scott's Voice)

A powerful relational database link makes it possible to access information on the network components instantly.

## Video

show  
logical  
manager

show physical layout  
in MT923

Asset # s1b2

Artwork: background of MT923 floorplan with logical network manager in top right

show  
logical  
manager

show  
trouble  
ticket

show physical layout  
in MT923

Asset # s1b3

Artwork: same as previous slide adding trouble ticket window

Asset # s1b4

Snapshot and Artwork: Show network component, relational database symbol, and query report.

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## Audio

### Script (Scott's Voice)

MT923 consists of seven basic modes:

- Graphic Input
- Designer
- Asset Manager
- Network Manager
- Network Analyst
- WAN Designer
- and Cable Manager

### Script (Scott's Voice)

MT923 is written entirely in "C" and has a full complement of API's available for developers.

*dissolve to TT1 "Network Management Menu"*

### Script

*user selects "Platforms Supported"*  
*/opt/SCRIPTS/demobr1c.HS95*

## Video

### MT923 Modes

- Graphic Input
- Designer
- Asset Manager
- Network Manager
- Network Analyst
- WAN Designer
- Cable Manager

Asset # s1b5

Artwork: show mode bullets

Asset # s1b6

Artwork: Part of "C" graphic from glossary together with API's available.

### Network Management

Configuration Management  
MT923Defined

Platforms Supported

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Asset # TT1

(Slide show duration = 00:57:00)

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## Audio

**Script (Scott's Voice)**

MT923 supports three hardware platforms:

**Script (Scott's Voice)**

Hewlett Packard's series 9000 700 ?

**Script (Scott's Voice)**

IBM's RISC 6000

## Video

### Hardware

Asset # s1c1

Artwork: Background for bullet field

### Hardware

- Hewlett Packard's series 9000 700

Asset # s1c2

Artwork: First bullet

### Hardware

- Hewlett Packard's series 9000 700
- IBM's RISC 6000

Asset # s1c3

Artwork: Second bullet

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## Audio

**Script (Scott's Voice)**  
and Sun's Sparc Station

**Script (Scott's Voice)**  
Network management platforms that MT923  
supports include:

**Script (Scott's Voice)**  
HP's OpenView

## Video

### Hardware

- Hewlett Packard's series 9000 700
- IBM's RISC 6000
- Sun's Sparc Station

Asset # s1c4  
Artwork: Third bullet

### Network Management Platforms

Asset # s1c5  
Artwork: Background for bullet field

### Network Management Platforms

- HP's OpenView

Asset # s1c6  
Artwork: First bullet

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## Audio

**Script (Scott's Voice)**  
IBM's NetView 6000

**Script (Scott's Voice)**  
Sun's Sun NetManager

**Script (Scott's Voice)**  
Cabletron's Spectrum

## Video

### **Network Management Platforms**

- HP's OpenView
- IBM's Netview 6000

Asset # s1c7  
Artwork: Second bullet

### **Network Management Platforms**

- HP's OpenView
- IBM's Netview 6000
- Sun's Sun NetManager

Asset # s1c8  
Artwork: Third bullet

### **Network Management Platforms**

- HP's OpenView
- IBM's Netview 6000
- Sun's Sun NetManager
- Cabletron's Spectrum

Asset # s1c9  
Artwork: Fourth bullet

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## Audio

**Script (Scott's Voice)**  
NetLab's Diamonds 3G

*OSI NetExp*

**Script (Scott's Voice)**  
and OSI NetExpert

**Script (Scott's Voice)**  
Accugraph currently supports the following  
relational databases:

## Video

### Network Management Platforms

- HP's OpenView
- IBM's Netview 6000
- Sun's Sun NetManager
- Cabletron's Spectrum
- Netlab's Diamonds 3G

Asset # slc10  
Artwork: Fifth bullet

### Network Management Platforms

- HP's OpenView
- IBM's Netview 6000
- Sun's Sun NetManager
- Cabletron's Spectrum
- Netlab's Diamonds 3G
- and OSI NetExpert

Asset # slc11  
Artwork: Sixth bullet

### Relational Databases

Asset # slc11  
Artwork: Background for bullet field

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## Audio

### Script

*user selects "Common Network Topologies"*  
*/opt/SCRIPTS/demobr5a.HS59*

### Script (Karen's Voice)

Network topologies are important because they define how networks communicate. Let's discuss four major network architectures.

### Script (Karen's Voice)

The bus topology is a traditional ethernet type of architecture, which provides carrier sense multiple access with collision detection.

## Video

### Network Components

**Common Network Topologies**  
Common Network Devices  
Common Cable Types  
Common Network Protocols  
Network Management Protocols

MAIN	PREV	MAP	HELP
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Asset # TT5  
(Slide show duration = 02:22:00)

Asset # s5a0  
Artwork: Show 4 major network diagrams.

### Bus Topology

Asset # s5a1  
Artwork: Show diagram of bus topology with title.

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## Audio

### Script (Karen's Voice)

Imagine your network as a very busy highway. Messengers use this highway to carry information between components on your network.

### Script (Karen's Voice)

When collisions occur additional messengers are sent out.

### Script (Karen's Voice)

Bus topologies are simplistic in their approach to controlling network traffic. They are very pervasive and easy to install and setup.

## Video

Asset # s5a1a

Artwork: Show Bus topology with network traffic on it.

Asset # s5a1b

Artwork: Show Bus topology with collision occurring.

Asset # s5a1c

Artwork: Show bus topology with text

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## Audio

### Script (Karen's Voice)

The token ring topology implements the concept of a round robin world.

### Script (Karen's Voice)

Picture a bus that rides around the network. As it passes, messengers can board if there is space. If there is no space, messengers must wait. This approach eliminates collisions and does a better job of network traffic control.

### Script (Karen's Voice)

In a star topology, nodes are served by a central concentrator or hub, that all connections on the network pass through. Standard collision detection is provided.

## Video

### Token Ring Topology

Asset # s5a2

Artwork: Show diagram of token ring topology with title.

Asset # s5a2a

Artwork: Show graphic buses riding around the network carrying data packets.

### Star Topology

Asset # s5a3

Artwork: Show diagram of star topology with title.

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## Audio

### Script (Karen's Voice)

Many premises are already equipped with twisted pair wiring and have a central wiring closet making a star topology very easy to implement.

### Script (Karen's Voice)

Star topologies are relatively easy to manage because everything comes into a central concentrator.

### Script (Karen's Voice)

The tree-type topology is typically seen in legacy networks where you have a host, a mainframe for instance, a controller and a series of devices connected off the controller. These topologies are typically very easy to manage.

## Video

Asset # s5a3a

Artwork/Photo: Show wiring closet photo with LAN diagram.

Asset # s5a3b

Artwork: Show opening Star topology graphic with arrows feeding into central server.

### Tree Type Topologies

Asset # s5a4

Artwork: Show diagram of tree-type topology with title.

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## Audio

### Script (Karen's Voice)

Network management has become critical in the last five years because tree-type topologies that store and access information in a central location...

### Script (Karen's Voice)

...have been replaced by distributed environments where information is spread throughout the network.

### Script

*user selects "Common Network Devices"*  
*/opt/SCRIPTS/demobr5b.HS57*

## Video

Asset # s5a5

Artwork: Show schema where data is stored in a central location.

Asset # s5a6

Artwork: Show schema where data is distributed across the network.

### Network Components

Common Network Topologies

**Common Network Devices**

Common Cable Types

Common Network Protocols

Network Management Protocols

MAIN

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Asset # TT5

(Slide show duration =03:05:00)

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## Audio

### Script (Karen's Voice)

Network devices can be broken down into four basic classifications:

### Script (Karen's Voice)

Simple PC's and peripherals can operate as stand alone devices or hooked onto a network, but are complete and independent of providing any operation to the network.

### Script (Karen's Voice)

Network computing devices include: servers, gateways, routers and hubs. These devices serve as facilitators to the network for concentrating, forwarding, or storing information. They are also used to pass information on to Telco devices.

## Video

Asset # s5b0

Artwork: Show montage of devices.

### Simple PC's and Peripherals

Asset # s5b1

Artwork: Show simple PC's and peripherals

### Network Computing Devices

Asset # s5b2

Artwork: Show server, gateway, router and hub

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## Audio

### Script (Karen's Voice)

Telco devices typically serve as the point of demarcation to the wide area world. This includes:

- Modems for dial up or leased lines
- CSU/DSU's for T-1 lines
- Muxes

### Script (Karen's Voice)

Transmission equipment, the telco switching equipment that is used primarily at the central office of a local or wide area exchange carrier,

### Script (Karen's Voice)

and occasionally at the customer premise, can accomplish the switching of the different types of information transmitted over your network.

## Video

### Telco Devices

Asset # s5b3

Artwork: Show modem, CSU and mux

### Transmission Equipment

Asset # s5b4a

Artwork: Show central office feeding community.

Asset # s5b4b

Artwork: same as previous but add customer premise telephone graphic.

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## Audio

### Script

*user selects "Common Cable Types"*  
*/opt/SCRIPTS/demobr5c.HS56*

### Script (Karen's Voice)

There are several common cable types which are used in both local area and wide area networks.

### Script (Karen's Voice)

Unshielded twisted pair is the most common method of bringing telephone and data to the desktop. This cable medium is comprised of one or more pairs of twisted insulated copper wire bound in a single plastic sheath.

## Video

### Network Components

Common Network Topologies

Common Network Devices

**Common Cable Types**

Common Network Protocols

Network Management Protocols

MAIN

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HELP

Asset id # TT5

(Slide show duration =02:12:00)

Asset # s5c0

Artwork: Show several cable types

### Unshielded Twisted Pair

Asset # s5c1

Artwork: Show network with unshielded twisted pair.

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## Audio

### Script (Karen's Voice)

Speeds vary from 4 to 100 megabits per second with this media.

### Script (Karen's Voice)

Unshielded twisted pair is subject to noise and consequently has an unrepeated distance limitation of 400 feet.

### Script (Karen's Voice)

Shielded twisted pair provides a transmission medium with reduced noise, thereby increasing the integrity of the network.

## Video

### Transmission Speed

4 to 100 Mbps

Asset # s5c1a

Artwork: Add text to unshielded twisted pair graphic.

### Unrepeated distance limitation

400 ft.

Asset # s5c1b

Artwork: Add text to unshielded twisted pair graphic.

### **Shielded Twisted Pair**

Asset # s5c2

Artwork: Show graphic of shielded twisted pair.

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## Audio

### Script (Karen's Voice)

It provides up to 500 feet of unrepeated signal.

### Script (Karen's Voice)

Thin Lan cable is popular in local area networks. It is made up of a single 50 ohm copper coax wire.

### Script (Karen's Voice)

It provides up to 500 feet of uninterrupted unrepeated signal.

## Video

### Unrepeated Distance Limitation

500 ft.

Asset # s5c2a

Artwork: Add text to shielded twisted pair graphic.

### Thin LAN

Asset # s5c3

Artwork: Show graphic of thin lan cable

### Unrepeated Distance Limitation

500 ft.

Asset # s5c3a

Artwork: Add text to thin Lan graphic.

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## Audio

### Script (Karen's Voice)

Thick Lan is typically used as a backbone riser in larger buildings that tie into thin lan networks on each floor.

### Script (Karen's Voice)

It is made up of a single 50 ohm copper coax wire and provides up to 1400 feet of uninterrupted unrepeatd signal.

### Script (Karen's Voice)

Fiber optic cable can carry 30,000 times more information than copper.

## Video

### Thick LAN

Asset # s5c4

Artwork: Show graphic of thick LAN set as a backbone riser.

Unrepeatd Distance Limitation  
1400 ft.

Asset # s5c4a

Artwork: Add text to thick LAN graphic.

### Fiber Optic

Asset # s5c5

Artwork: show graphic for fiber optic

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## Audio

### Script (Karen's Voice)

It is made up of a single optic fiber surrounded by insulation which is terminated at either end.

### Script

*user selects "Common Network Protocols"*  
*/opt/SCRIPTS/demobr5d.HS58*

### Script (Karen's Voice)

There are a number of common network protocols.

## Video

Asset # s5c5a  
Artwork: Show graphic CU of fiber cable.

**Network Components**  
Common Network Topologies  
Common Network Devices  
Common Cable Types  
**Common Network Protocols**  
Network Management Protocols

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Asset # TT5  
(Slide show duration = 02:12:00)

Asset # s5d1  
Artwork: Show montage of common network management protocols