

Monaco Enterprises, Inc.



54 Years of Service

Contact Information

Monaco Enterprises, Inc.

P.O. Box 14129

Spokane Valley, WA 99214-0129

Phone: (509) 926-6277 **Fax:** (509) 924-4980

Corporate E-mail: service@monaco-inc.com

Training Department E-mail: training@monaco-inc.com

Web www.monaco-inc.com

Document Information

Identification

Monaco 2025 Training Class Brochure

Publication Date

January 10, 2025

Trademark Notice

The Monaco Enterprises, Inc. (Monaco) logo and MEI are registered trademarks of Monaco. NFPA 72 and National Fire Alarm Code are registered trademarks of the National Fire Protection Association. Microsoft $^{\circledR}$ is a registered trademark of Microsoft, Inc.

Copyright Notice

© 2025 by Monaco Enterprises, Inc. All rights reserved. This document contains proprietary information and is for exclusive use by Monaco customers. Use or reproduction other than by Monaco customers is expressly prohibited unless authorized in writing by Monaco.

Information Notice

iii

Information in this brochure is subject to change without notice. Please consult the Monaco Enterprises website for current class information: http://www.monaco-inc.com

Contents

| Welcome |
|---|
| Training Class Location |
| Accommodations |
| Registration Information |
| Monaco Contact Information |
| Cancellation Policy 4 |
| Class Completion Requirements 4 |
| Customer-Requested Training Classes 5 |
| Reminder 5 |
| Training Staff 6 |
| Courses 8 |
| Class Schedule |
| Introduction to Fire Alarm Systems, |
| Design, Maintenance, and NFPA 72 12 |
| D-21 Central Receiving (Fire Centric) 13 |
| MAAP-X Addressable, Point Reporting, MNS 14 |
| MAAP-X Sub-Panel and Expansion Backplane 15 |
| BT-X FSK Fire and MNS |
| M-2 Conventional and MAAP(+) |
| Addressable Point Reporting |

Welcome

2025 Training Classes reflect Monaco Enterprises' continued commitment to provide excellent products and services for Fire, Force Protection, Security, and Mass Notification.

For General Training Questions

- E-mail: training@monaco-inc.com
- Phone: (509) 926-6277; press 0 for the operator and ask for the Training Department Coordinator.

For Registration Information

- E-mail: training@monaco-inc.com
- Phone: (509) 926-6277; press 0 for the operator and ask for the Training Department Coordinator.

We are pleased to offer an experienced training staff. Our instructors are highly qualified personnel who know Monaco's products and systems from the inside out. These are employees who roll up their sleeves and either install and troubleshoot systems or work with customers answering their questions. Learn more about our trainers by reading "Training Staff" on page 6.

This brochure includes complete class descriptions. Select the classes that best meet your needs and then register to attend. See "Class Schedule" on page 9 for more information.

Training Class Location

All classes are held at Monaco Enterprises' World Headquarters. (See page 5 for information on customer-site classes.) On the first day of classes, student sign-in starts at 7:50 a.m. Please use the front doors by the sign that reads **Monaco Enterprises World Headquarters**.

Monaco Enterprises, Inc. 14820 E. Sprague Avenue Spokane Valley, Washington 99216-2149

Phone: (509) 926-6277 Fax: (509) 924-4980

Accommodations

The hotels listed below are less than 3 miles from Monaco Enterprises World Headquarters. Monaco has negotiated company rates with each hotel.

Identifying yourself as an attendee of a **Government Training Class at Monaco Enterprises** allows you to access these rates. Please arrange accommodations directly with the hotel at least four weeks in advance.

Oxford Suites

15015 E. Indiana Avenue Spokane Valley, WA 99216 Phone: (509) 847-1000

Comfort Inn & Suites

12415 E. Mission Avenue Spokane Valley, WA 99216 Phone: (509) 728-9392

Mirabeau Park Hotel

1100 N. Sullivan Road Spokane Valley, WA 99037 Phone: (509) 924-9000

Residence Inn by Marriott

15915 E. Indiana Avenue Spokane Valley, WA 99216 Phone: (509) 892-9300

The Oxford Suites Hotel is located across the street (to the North) from the Spokane Valley Mall. The Oxford Suites has complete dining and adult refreshment facilities. It is approximately 2 miles to Monaco.

The Mirabeau Park Hotel also has complete dining and adult refreshment facilities. It is within walking distance to the Spokane Valley Mall, about 0.5 miles on sidewalks. Mirabeau Park is approximately 1.5 miles to Monaco.

The Hampton Inn offers a complimentary breakfast option. It is located about 1 mile east of the Spokane Valley Mall and is approximately 2 miles to Monaco.

The Residence Inn offers a complimentary hot breakfast buffet and manager's reception on Monday, Tuesday, and Wednesday evening. The rooms are all suites with kitchens, making them convenient for extended stays.

While in Spokane, the Inland Northwest promises to provide you with many things to see and do after class hours. Car rentals are available at the airport for your convenience.

Registration Information

Complete the registration form included with this brochure for *each person* attending a class. Return it by mail, fax, or e-mail to the Monaco contact below as soon as possible to reserve a place in a training class. **All classes must be prepaid at time of registration.**

For immediate registration, payment can be made by credit card. For payments by credit card, a Credit Card Authorization Form must be completed. Request the form using the contact information below. Credit card transactions are subject to a surcharge. Otherwise, payment can be sent by check with the registration form. Monaco will send a confirmation letter to the registering student upon confirmation of payment and a completed registration form.

Make checks payable to Monaco Enterprises, Inc.

If you have additional questions, please contact the Monaco Training Class Department. See "Monaco Contact Information" for phone numbers and email.

DD Form 1556—request to DoD to authorize training—will not be accepted for training class registration.

Monaco Contact Information

Monaco Enterprises, Inc.

P. O. Box 14129

Spokane Valley, Washington 99214-0129

Phone: (509) 926-6277 Fax: (509) 924-4980

Corporate E-mail: service@monaco-inc.com

Training Department E-mail: training@monaco-inc.com

Web: www.monaco-inc.com

For General Training Questions

■ E-mail: training@monaco-inc.com

Phone: (509) 926-6277; press 0 for the operator and ask for the Training Department Coordinator.

For Registration Information

E-mail: training@monaco-inc.com

Phone: (509) 926-6277; press 0 for the operator and ask for the Training Department Coordinator.

3 ● Monaco 2025 Training Classes

Cancellation Policy

Cancellation by the Student

If the registered student or substitute cannot attend, contact Monaco immediately:

- E-mail: training@monaco-inc.com
- Phone: (509) 926-6277; press 0 for the operator and ask for the Training Department Coordinator.

There is often a class waiting list; early notification of cancellation can enable someone else to attend.

- A full refund is provided to those whose cancellation is received at least 10 working days before the start of the training class.
- Registrations canceled less than 10 working days prior to the start of the training class are subject to a \$75.00 service charge; alternatively, you may credit your payment to a future class, provided that the class has not been fully booked.
- Phone cancellations must be confirmed in writing.
- If no prior notice of cancellation is received, the entire registration fee is forfeited.

Cancellation by Monaco Enterprises

- Monaco reserves the right to cancel any training class if the minimum class size of 5 students is not met. If Monaco cancels a class, all payments will be fully refunded. Students will receive a cancellation notice not later than 10 working days before the first day of the scheduled class.
- Monaco reserves the right to reschedule any training class according to the needs of the company.

Class Completion Requirements

A student who meets daily class attendance requirements and passes a final test with an 80% or better grade will receive a confirmation of completion that is valid for 2 years from the date of completion.

If the course is completed 3 consecutive times in a row before a lapse in certification, the student will receive an extended certification that is valid for 3 years from the date of completion.

Customer-Requested Training Classes

At Monaco

Monaco Enterprises can schedule training classes outside the regular training calendar to be held in Spokane, WA.

Cost is \$10,498.80.00 for 1–5 students, \$2,099.76 per student for each additional student up to the maximum class size (shown in the class descriptions beginning on page 12).

Training can be customized to fit customer requirements.

Contact your Customer Service Representative to receive a quotation on scheduling an off-calendar training class.

Reminder

Sign and return the Registration Form included with this brochure to enroll **each** person attending a class. Please make additional copies as required.

On the first day of classes, student sign-in starts at 7:50 a.m. Please use the front doors by the sign that reads **Monaco Enterprises World Headquarters**.

At the Customer Site

Monaco Enterprises conducts training classes at customer locations around the world. Classes offered in this brochure can be conducted at your site. You gain the advantage of having technical experts answer product questions unique to your site.

Typical Requirement

Minimum class size of 5 students, maximum of 10. Contact the Monaco Training Department for class-specific requirements:

For On-site Training Information

- E-mail: training@monaco-inc.com or service@monaco-inc.com
- Phone: (509) 926-6277; press 0 for the operator and ask for the Training Department Coordinator or your Customer Service Representative.

Monaco 2025 Training Classes

Training Staff

Ken Olson



Ken is an Engineering and Product Support Technician in Monaco's Product Support Group. He has worked at Monaco for over 24 years.

Ken supports our customers over the phone and on-site. He also helps with equipment repairs and testing.

Ken served 5 years in the U.S. Marines as an Electro-optical Ordinance Repair Technician. He is also NICET Level I certified in fire alarm systems.

Tim Loosmore



Tim is the manager of Monaco's Product Support Group. He supports our customers over the phone and on-site. He has been with Monaco for 15 years.

Tim has over 39 years of experience in Electronic Systems including Radio, Radar and Satellite Communications testing and installations.

Tim served 6 years in the U.S. Navy as an Electronics Technician. He is also NICET Level III certified in fire alarm systems.

Josh Holderman



Josh is a Product Support Installation Specialist in Monaco's Product Support Group. He has worked at Monaco for over 1.5 years. Josh supports our customers over the phone and on-site. He also helps with equipment repairs and testing. Josh served 21 years in the Air Force as an Avionics Systems Technician.

Ryan Hess



Ryan is a Systems Support Help-desk Specialist and has been with Monaco for over 2 years. He troubleshoots D-21 systems worldwide and provides lead help-desk support.

Ryan has over 5 years of professional computer experience, particularly in computer science. He is Microsoft Certified & has fielded over 1,500 support calls for Monaco Enterprises.

He has an Associates of Applied Science for Computer Information Systems from West Virginia University.

Katie McCollum



Katie is a Systems Support Technician and has been with Monaco for over 2 years.

She installs, troubleshoots, and maintains D-21 systems worldwide. She also provides worldwide Monaco help-desk support.

Katie has over 7 years of professional computer experience, particularly in programming. She has a B.A. in Computer Science, and is Project Plus and Information Technology Infrastructure Library (ITIL) certified.

Courses

| Title | Number |
|---|------------|
| Intro to Fire Alarm Systems, Design, Maintenance, and NFPA 72 | 020-000-00 |
| D-21 Central Receiving (Fire Centric) | 020-017-00 |
| BT-X FSK Fire and MNS | 020-020-00 |
| M-2 Conventional/MAAP(+) Addressable Point Reporting | 020-021-00 |
| MAAP-X Addressable, Point Reporting, MNS | 020-024-00 |
| MAAP-X Sub-Panel and Expansion Backplane | 020-025-00 |

TNOTE Courses 020-020-00, 020-021-00, 020-024-00, and 020-025-00 require the student to provide their own laptop with administrator access.

Class Schedule

| February 2025 | | | | |
|---|---|---|---|---|
| Monday | Tuesday | Wednesday | Thursday | Friday |
| February 10 | February 11 | February 12 | February 13 | February 14 |
| 8:00 am–5:00 pm |
| Intro to Fire Alarm Systems, Design, Maint, & NFPA 72 | Intro to Fire Alarm Systems, Design, Maint, & NFPA 72 | Intro to Fire Alarm Systems, Design, Maint, & NFPA 72 | Intro to Fire Alarm Systems, Design, Maint, & NFPA 72 | Intro to Fire Alarm Systems, Design, Maint, & NFPA 72 |
| February 24 | February 25 | February 26 | February 27 | February 28 |
| 8:00 am–5:00 pm | 8:00 am–5:00 pm | 8:00 am–5:00 pm | 8:00 am–5:00 pm | 8:00 am-5:00 pm |
| D-21 Central Receiving (Fire Centric) |

| March 2025 | March 2025 | | | |
|---------------------|---------------------|---------------------|--|---------------------|
| Monday | Tuesday | Wednesday | Thursday | Friday |
| March 3 | March 4 | March 5 | March 6 | March 7 |
| 8:00 am–5:00 pm | 8:00 am–5:00 pm | 8:00 am–5:00 pm | 8:00 am–5:00 pm | 8:00 am–5:00 pm |
| MAAP-X | MAAP-X | MAAP-X | MAAP-X | MAAP-X |
| Addressable, Point | Addressable, Point | Addressable, Point | Addressable, Point | Addressable, Point |
| Reporting, MNS | Reporting, MNS | Reporting, MNS | Reporting, MNS | Reporting, MNS |
| March 10 | March 11 | March 12 | March 13 | March 14 |
| 8:00 am–5:00 pm | 8:00 am–5:00 pm | 8:00 am–5:00 pm | 8:00 am–5:00 pm | 8:00 am–5:00 pm |
| MAAP-X | MAAP-X | MAAP-X | MAAP-X | MAAP-X |
| Addressable, Point | Addressable, Point | Addressable, Point | Addressable, Point | Addressable, Point |
| Reporting, MNS | Reporting, MNS | Reporting, MNS | Reporting, MNS | Reporting, MNS |
| March 17 | March 18 | March 19 | March 20 | March 21 |
| 8:00 am–5:00 pm | 8:00 am–5:00 pm | 8:00 am–5:00 pm | 8:00 am–5:00 pm | 8:00 am–5:00 pm |
| MAAP-X Sub-Panel & | MAAP-X Sub-Panel & | MAAP-X Sub-Panel & | MAAP-X Sub-Panel & Expansion Backplane** | MAAP-X Sub-Panel & |
| Expansion | Expansion | Expansion | | Expansion |
| Backplane** | Backplane** | Backplane** | | Backplane** |
| March 24 | March 25 | March 26 | March 27 | March 28 |
| 8:00 am–5:00 pm | 8:00 am–5:00 pm | 8:00 am–5:00 pm | 8:00 am–5:00 pm | 8:00 am–5:00 pm |
| BT-X FSK Fire & MNS | BT-X FSK Fire & MNS |

^{*}Actual dismissal time is at course completion.

^{**}Prerequisite Completion of MAAP-X Addressable, Point Reporting, MNS (course 020-024-00) is required for MAAP-X Sub-Panel & Expansion Backplane (course 020-025-00).

NOTE Monaco reserves the right to cancel any class; see "Cancellation Policy" on page 4.

| June 2025 | | | | |
|--|--|--|--|--|
| Monday | Tuesday | Wednesday | Thursday | Friday |
| June 2 | June 3 | June 4 | June 5 | June 6 |
| 8:00 am–5:00 pm |
| D-21 Central Receiving (Fire Centric) |
| June 9 | June 10 | June 11 | June 12 | June 13 |
| 8:00 am–5:00 pm | 8:00 am-5:00 pm | 8:00 am-5:00 pm | 8:00 am–5:00 pm | 8:00 am–5:00 pm |
| MAAP-X Addressable, Point Reporting, MNS |
| June 16 | June 17 | June 18 | June 19 | June 20 |
| 8:00 am–5:00 pm |
| MAAP-X Addressable, Point Reporting, MNS |
| June 23 | June 24 | June 25 | June 26 | June 27 |
| 8:00 am–5:00 pm |
| MAAP-X Sub-Panel & Expansion Backplane** |

| July 2025 | | | | |
|---------------------|---------------------|---------------------|---------------------|---------------------|
| Monday | Tuesday | Wednesday | Thursday | Friday |
| July 7 | July 8 | July 9 | July 10 | July 11 |
| 8:00 am–5:00 pm |
| M-2 Conventional & |
| MAAP(+) | MAAP(+) | MAAP(+) | MAAP(+) | MAAP(+) |
| Addressable Point |
| Reporting | Reporting | Reporting | Reporting | Reporting |
| July 14 | July 15 | July 16 | July 17 | July 18 |
| 8:00 am–5:00 pm |
| Intro to Fire Alarm |
| Systems, Design, |
| Maint, & NFPA 72 |

^{*}Actual dismissal time is at course completion.

 $\textbf{NOTE} \ \ \text{Monaco reserves the right to cancel any class; see ``Cancellation Policy'' on page 4.$

^{**}Prerequisite Completion of MAAP-X Addressable, Point Reporting, MNS (course 020-024-00) is required for MAAP-X Sub-Panel & Expansion Backplane (course 020-025-00).

| October 2025 | | | | |
|--|--|--|--|--|
| Monday | Tuesday | Wednesday | Thursday | Friday |
| October 6 | October 7 | October 8 | October 9 | October 10 |
| 8:00 am–5:00 pm |
| D-21 Central Receiving (Fire Centric) |
| October 13 | October 14 | October 15 | October 16 | October 17 |
| 8:00 am–5:00 pm |
| MAAP-X Addressable, Point Reporting, MNS |
| October 20 | October 21 | October 22 | October 23 | October 24 |
| 8:00 am–5:00 pm |
| MAAP-X Addressable, Point Reporting, MNS |
| October 27 | October 28 | October 29 | October 30 | October 31 |
| 8:00 am–5:00 pm |
| MAAP-X Sub-Panel & Expansion Backplane** |

| November 2025 | | | | |
|---|---|--|---|--|
| Monday | Tuesday | Wednesday | Thursday | Friday |
| November 3 | November 4 | November 5 | November 6 | November 7 |
| 8:00 am–5:00 pm | 8:00 am–5:00 pm | 8:00 am–5:00 pm | 8:00 am-5:00 pm | 8:00 am–5:00 pm |
| BT-X FSK Fire & MNS | BT-X FSK Fire & MNS | BT-X FSK Fire & MNS | BT-X FSK Fire & MNS | BT-X FSK Fire & MNS |
| November 17 | November 18 | November 19 | November 20 | November 21 |
| 8:00 am–5:00 pm | 8:00 am-5:00 pm | 8:00 am–5:00 pm | 8:00 am-5:00 pm | 8:00 am–5:00 pm |
| M-2 Conventional & MAAP(+) Addressable Point Reporting | M-2 Conventional & MAAP(+) Addressable Point Reporting | M-2 Conventional & MAAP(+) Addressable Point Reporting | M-2 Conventional & MAAP(+) Addressable Point Reporting | M-2 Conventional & MAAP(+) Addressable Point Reporting |

^{*}Actual dismissal time is at course completion.

NOTE Monaco reserves the right to cancel any class; see "Cancellation Policy" on page 4.

^{**}Prerequisite Completion of MAAP-X Addressable, Point Reporting, MNS (course 020-024-00) is required for MAAP-X Sub-Panel & Expansion Backplane (course 020-025-00).

Introduction to Fire Alarm Systems, Design, Maintenance, and NFPA 72

The Introduction to Fire Alarm Systems, Design, Maintenance, and NFPA 72 training class teaches students about the stages of fire, fire alarm system design, and the components that make up a fire alarm system. Students learn the codes and standards for fire alarm systems, including the 2022 National Fire Protection Association NFPA 72[®] National Fire Alarm Code[®].

Students learn the operating principles of initiating devices, notification appliances, and fire alarm systems with specific equipment examples, installation, and placement considerations. They also learn how to design a fire alarm system with zoning, assessment and planning, and power management in mind.

Labs help students apply their knowledge.

| Course Number: 0 | 20-000-00 |
|-------------------|--|
| Who Should Attend | Anyone who is responsible for fire alarm system planning, plan review, equipment specifications, installation, acceptance, operation, and maintenance. NOTE Only offered in Spring and Summer. |
| Topics | Overview of fires and fire alarm systems Codes and standards Operating principles, placement of, and installation of initiating devices and notification appliances Fire alarm system design Reporting/receiving equipment types Testing Troubleshooting Maintenance |
| Sign In | First day of class, 7:50 a.m. |
| Fee | \$2,099.76 (regularly scheduled class held at Monaco) |
| Class Size Limit* | Min.: 5 students Max.: 18 students Register early! |

^{*}NOTE See Monaco's class "Cancellation Policy" on page 4.

D-21 Central Receiving (Fire Centric)

D-21 is a sophisticated, Windows®-based, Central Receiving and Management System that is compatible with the D-21, D-700, and D-500 transceivers. The D-21 uses client/server architecture and consists of two client programs: the D-21 Administration Client and the D-21 Incident Client. The D-21 Incident Client is used by operators to process incidents and dispatch resources.

The D-21 Central Receiving Class provides hands-on experience setting up the D-21 using the Admin Client and handling incidents using the D-21 Incident Client—responding to an alert, creating an incident, dispatching resources to handle the incident, and working with the D-21 to provide information needed to expedite incident resolution.

Operators also learn how to use the daily activity functions, view status information and response plans, dispatch resources, interact with an ESRI map of a base, and much more.

| Course Number: 0 | 20-017-00 |
|-------------------|--|
| Who Should Attend | Anyone who is responsible for configuring or maintaining the D-21 database and D-21 operators and trainers of operators. |
| Topics | Overview of the D-21 System Database design and data input Graphics input Map updating Creating actions Creating reports Equipment operation Incident processing Resource dispatching Transceiver troubles Daily activities, reminders and actions Generating and printing reports Network connections |
| Sign In | First day of class, 7:50 a.m. |
| Fee | \$2,099.76 (regularly scheduled class held at Monaco) |
| Class Size Limit* | Min.: 5 students; Max.: 16 students Register early! |

^{*}NOTE See Monaco's class "Cancellation Policy" on page 4.

MAAP-X Addressable, Point Reporting, MNS

Covers installation, programming, testing, operation, troubleshooting, and maintenance of MAAP-X addressable MNS FACP, which reports to the D-21 Central Receiving System through a built-in radio transceiver. The course also covers basic D-21 data entry for MAAP-X addressable MNS FACP, as well as antenna installation, troubleshooting, testing, radio transmissions with the D-21, and MNS local operating consoles (LOCs).

- Class is taught through lecture and by hands-on labs, wiring addressable devices, MAAP-X programming through the Planner software, and testing to include transmissions with the D-21 Central Receiving System.
- Students learn the 3 operation modes of an MAAP-X FACP: stand-alone (no radio), point reporting, and non-point reporting.
- Students learn how to program the panel using conventional IDCs and addressable SLCs. Students also learn how to use the new MNS features and capabilities of the MAAP-X. Point reporting, sensor grouping, LOCs, and text displays are also covered.
- Students receive MAAP-X Planner software to program the panels.
- Students learn how to import a MAAP-X point reporting database file into the D-21.

| Course Number: 02 | 20-024-00 |
|-------------------|--|
| Who Should Attend | Anyone who programs, installs, operates, and maintains MAAP-X addressable, point reporting, MNS panels. NOTE This course is prerequisite to the MAAP-X Sub-Panel and Expansion Backplane course. |
| Prerequisites | Pentium-class laptop computer with Windows 95 or later and at least one 9-pin RS-232 serial port or 9-pin RS-232 to USB adaptor to program the panels. Students need administrative rights to their computer to install software used in the class. |
| Topics | Addressable FACP overview Operation, maintenance, and troubleshooting Configuration and programming using the MAAP-X Planner, and transferring configuration files to the D-21 |
| Sign In | First day of class, 7:50 a.m. |
| Fee | \$2,099.76 (regularly scheduled class held at Monaco) |
| Class Size Limit* | Min.: 5 students Max.: 18 students Register early! |

^{*}NOTE See Monaco's class "Cancellation Policy" on page 4.

MAAP-X Sub-Panel and Expansion Backplane

Covers installation, programming, testing, operation, troubleshooting, and maintenance of the MAAP-X Sub-Panels and Expansion Backplanes on a VPN to a MAAP-X Panel, which reports to the D-21 Central Receiving System through a built-in radio transceiver. The course also covers basic D-21 data entry for expanded MAAP-X with MNS and Fire local operating consoles (LOCs), text displays, and radio transmissions with the D-21. MAAP-X

Sub-Panels and Expansion Backplanes are intended for large or multibuilding complexes and SCIF installations.

- Class is taught through lecture and by hands-on labs, wiring addressable devices, MAAP-X programming through the Planner software, and testing to include transmissions with the D-21 Central Receiving System.
- Students learn how to configure the MAAP-X System with MAAP-X Sub-Panels on a Fiber VPN and Expansion Backplanes on a Copper VPN, connect LOCs and text displays to each panel type, and ensure all report back to the D-21. Panels support 3 operating modes: stand-alone (no radio), point reporting, and non-point reporting.
- Students learn how to program the panels' addressable SLCs and SOCs for prerecorded and Live Voice MNS. Students also learn how to use the new MNS features and capabilities of the expanded MAAP-X System with LOCs and text displays.
- Students receive MAAP-X Planner software to program the panels.
- Students learn how to import a MAAP-X point reporting database file into the D-21.

| Course Number: (| 020-025-00 |
|-------------------|---|
| Who Should Attend | Anyone who programs, installs, operates, and maintains MAAP-X addressable, point reporting, MNS panels with MAAP-X Sub-Panels and/or Expansion Backplanes. |
| Prerequisites | Completion of the MAAP-X Addressable, Point Reporting, MNS course is required. Pentium-class laptop computer with Windows 95 or later and at least one 9-pin RS-232 serial port or 9-pin RS-232 to USB adaptor to program the panels. Students need administrative rights to their computer to install software used in the class. |
| Topics | Addressable FACP overview Operation, maintenance, and troubleshooting Configuration and programming using the MAAP-X Planner, and transferring configuration files to the D-21 Installation, programming, and maintenance of MAAP-X Bidirectional Sub-Panels and Expansion Backplanes |
| Sign In | First day of class, 7:50 a.m. |
| Fee | \$2,099.76 (regularly scheduled class held at Monaco) |
| Class Size Limit* | Min.: 5 students Max.: 10 students Register early! |

^{*}NOTE See Monaco's class "Cancellation Policy" on page 4.

15 ● Monaco 2025 Training Classes

BT-X FSK Fire and MNS

Covers installation, programming, testing, operation, troubleshooting, and maintenance of BT-X FSK Fire and BT-X MNS M-2 Systems, which report to the D-21 Central Receiving System. The course also covers basic D-21 data entry for these systems, as well as antenna installation, troubleshooting, testing, and radio transmission with the D-21.

BT-X Fire, BTX Fire with MNS

- Class is taught through lecture and by hands-on labs, wiring typical FACP and MNS devices, BT-X programming through the Planner software, and testing to include transmissions to the D-21 Central Receiving System.
- Students receive BT-X Planner software to program the panels.
- Students learn how to activate in-building prerecorded or live voice messages from the D-21.

BTX MNS M-2

- Students receive BT-X Planner software to program the panels.
- Class is taught through lecture and by hands-on labs, wiring typical FACP and MNS devices in a BT-X M-2 System, and testing to include transmissions with the D-21 Central Receiving System.
- Students learn how to activate in-building prerecorded or live voice messages from the D-21.

| Course Number: 020-020-00 | |
|---------------------------|---|
| Who Should Attend | Anyone who is responsible for radio alarm, Mass Notification Systems, planning/review/specification writing, installation, acceptance, and maintenance. NOTE Only offered in Spring and Fall. |
| Prerequisites | Pentium-class laptop computer with Windows 95 or later and at least one 9-pin RS-232 serial port or 9-pin RS-232 to USB adaptor to program the units. Students need administrative rights to their computer to install software used in the class. |
| Topics | D-21 FSK System overview Antenna coaxial cable lab BT-X FSK Fire transceiver operation, programming, maintenance, and troubleshooting for fire and MNS BT-X MNS M-2 interface installation, operation, programming, maintenance, and troubleshooting System checkout, test equipment D-21 Central equipment fire and MNS programming |
| Sign In | First day of class, 7:50 a.m. |
| Fee | \$2,099.76 (regularly scheduled class held at Monaco) |
| Class Size Limit* | Min.: 5 students Max.: 18 students Register early! |

^{*}NOTE See Monaco's class "Cancellation Policy" on page 4.

M-2 Conventional and MAAP(+) Addressable Point Reporting

Covers installation, programming, testing, operation, troubleshooting, and maintenance of M-2 conventional and MAAP(+) addressable FACPs, which report to the D-21 Central Receiving System through a built-in radio transceiver. The course also covers basic D-21 data entry for M-2 and MAAP(+) FACPs, as well as antenna installation, troubleshooting, testing, and radio transmissions with the D-21.

MAAP(+)

- Students learn the 3 operation modes of an MAAP(+) FACP: stand-alone (no radio), point reporting, and non-point reporting.
- Students receive MAAP(+) Planner software to program panels.
- Class is taught through lecture and by hands-on labs, wiring addressable devices, MAAP(+) programming through the Planner software, and testing to include transmissions with the D-21 Central Receiving System.
- Students learn how to import a MAAP(+) point reporting database file into the D-21.

M-2

- Students learn the operation of the M-2 conventional FACP.
- Students receive M-2 Planner software to program the panels.
- Class is taught through lecture and by hands-on labs, wiring conventional devices, M-2 programming through the Planner software, and testing to include transmissions with the D-21 Central Receiving System.

| Course Number: 020-021-00 | |
|---------------------------|--|
| Who Should Attend | Anyone who programs, installs, operates, and maintains M-2 conventional or MAAP(+) addressable panels. NOTE Only offered in Summer and Fall. |
| Prerequisites | Pentium-class laptop computer with Windows 95 or later and at least one 9-pin RS-232 serial port or 9-pin RS-232 to USB adaptor to program the panels. Students need administrative rights to their computer to install software used in the class. |
| Topics | Addressable FACP overview Operation, maintenance, and troubleshooting Configuration and programming using the M-Planner, and transferring configuration files to the D-21 |
| Sign In | First day of class, 7:50 a.m. |
| Fee | \$2,099.76 (regularly scheduled class held at Monaco) |
| Class Size Limit* | Min.: 5 students Max.: 18 students Register early! |

^{*}NOTE See Monaco's class "Cancellation Policy" on page 4.