



2025 Training Classes

Monaco Enterprises, Inc.



54 Years of Service

Contact Information

Monaco Enterprises, Inc.

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Document Information

Identification

Monaco 2025 Training Class Brochure

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Information Notice

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	1
Training Class Location	1
Accommodations.	2
Registration Information	3
Monaco Contact Information.	3
Cancellation Policy	4
Class Completion Requirements	4
Customer-Requested Training Classes	5
Reminder	5
Training Staff	6
Courses	8
Class Schedule	9
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	16
M-2 Conventional and MAAP(+) Addressable Point Reporting	17

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

Mirabeau Park Hotel

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

Comfort Inn & Suites

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

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.

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.

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 Ordnance 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

▼ **NOTE** *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 8:00 am–5:00 pm Intro to Fire Alarm Systems, Design, Maint, & NFPA 72	February 11 8:00 am–5:00 pm Intro to Fire Alarm Systems, Design, Maint, & NFPA 72	February 12 8:00 am–5:00 pm Intro to Fire Alarm Systems, Design, Maint, & NFPA 72	February 13 8:00 am–5:00 pm Intro to Fire Alarm Systems, Design, Maint, & NFPA 72	February 14 8:00 am–5:00 pm Intro to Fire Alarm Systems, Design, Maint, & NFPA 72
February 24 8:00 am–5:00 pm D-21 Central Receiving (Fire Centric)	February 25 8:00 am–5:00 pm D-21 Central Receiving (Fire Centric)	February 26 8:00 am–5:00 pm D-21 Central Receiving (Fire Centric)	February 27 8:00 am–5:00 pm D-21 Central Receiving (Fire Centric)	February 28 8:00 am–5:00 pm D-21 Central Receiving (Fire Centric)

March 2025				
Monday	Tuesday	Wednesday	Thursday	Friday
March 3 8:00 am–5:00 pm MAAP-X Addressable, Point Reporting, MNS	March 4 8:00 am–5:00 pm MAAP-X Addressable, Point Reporting, MNS	March 5 8:00 am–5:00 pm MAAP-X Addressable, Point Reporting, MNS	March 6 8:00 am–5:00 pm MAAP-X Addressable, Point Reporting, MNS	March 7 8:00 am–5:00 pm MAAP-X Addressable, Point Reporting, MNS
March 10 8:00 am–5:00 pm MAAP-X Addressable, Point Reporting, MNS	March 11 8:00 am–5:00 pm MAAP-X Addressable, Point Reporting, MNS	March 12 8:00 am–5:00 pm MAAP-X Addressable, Point Reporting, MNS	March 13 8:00 am–5:00 pm MAAP-X Addressable, Point Reporting, MNS	March 14 8:00 am–5:00 pm MAAP-X Addressable, Point Reporting, MNS
March 17 8:00 am–5:00 pm MAAP-X Sub-Panel & Expansion Backplane**	March 18 8:00 am–5:00 pm MAAP-X Sub-Panel & Expansion Backplane**	March 19 8:00 am–5:00 pm MAAP-X Sub-Panel & Expansion Backplane**	March 20 8:00 am–5:00 pm MAAP-X Sub-Panel & Expansion Backplane**	March 21 8:00 am–5:00 pm MAAP-X Sub-Panel & Expansion Backplane**
March 24 8:00 am–5:00 pm BT-X FSK Fire & MNS	March 25 8:00 am–5:00 pm BT-X FSK Fire & MNS	March 26 8:00 am–5:00 pm BT-X FSK Fire & MNS	March 27 8:00 am–5:00 pm BT-X FSK Fire & MNS	March 28 8:00 am–5:00 pm 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 8:00 am–5:00 pm D-21 Central Receiving (Fire Centric)	June 3 8:00 am–5:00 pm D-21 Central Receiving (Fire Centric)	June 4 8:00 am–5:00 pm D-21 Central Receiving (Fire Centric)	June 5 8:00 am–5:00 pm D-21 Central Receiving (Fire Centric)	June 6 8:00 am–5:00 pm D-21 Central Receiving (Fire Centric)
June 9 8:00 am–5:00 pm MAAP-X Addressable, Point Reporting, MNS	June 10 8:00 am–5:00 pm MAAP-X Addressable, Point Reporting, MNS	June 11 8:00 am–5:00 pm MAAP-X Addressable, Point Reporting, MNS	June 12 8:00 am–5:00 pm MAAP-X Addressable, Point Reporting, MNS	June 13 8:00 am–5:00 pm MAAP-X Addressable, Point Reporting, MNS
June 16 8:00 am–5:00 pm MAAP-X Addressable, Point Reporting, MNS	June 17 8:00 am–5:00 pm MAAP-X Addressable, Point Reporting, MNS	June 18 8:00 am–5:00 pm MAAP-X Addressable, Point Reporting, MNS	June 19 8:00 am–5:00 pm MAAP-X Addressable, Point Reporting, MNS	June 20 8:00 am–5:00 pm MAAP-X Addressable, Point Reporting, MNS
June 23 8:00 am–5:00 pm MAAP-X Sub-Panel & Expansion Backplane**	June 24 8:00 am–5:00 pm MAAP-X Sub-Panel & Expansion Backplane**	June 25 8:00 am–5:00 pm MAAP-X Sub-Panel & Expansion Backplane**	June 26 8:00 am–5:00 pm MAAP-X Sub-Panel & Expansion Backplane**	June 27 8:00 am–5:00 pm MAAP-X Sub-Panel & Expansion Backplane**

July 2025

Monday	Tuesday	Wednesday	Thursday	Friday
July 7 8:00 am–5:00 pm MAAP-X Sub-Panel & Expansion Backplane**	July 8 8:00 am–5:00 pm MAAP-X Sub-Panel & Expansion Backplane**	July 9 8:00 am–5:00 pm MAAP-X Sub-Panel & Expansion Backplane**	July 10 8:00 am–5:00 pm MAAP-X Sub-Panel & Expansion Backplane**	July 11 8:00 am–5:00 pm MAAP-X Sub-Panel & Expansion Backplane**
July 14 8:00 am–5:00 pm Intro to Fire Alarm Systems, Design, Maint, & NFPA 72	July 15 8:00 am–5:00 pm Intro to Fire Alarm Systems, Design, Maint, & NFPA 72	July 16 8:00 am–5:00 pm Intro to Fire Alarm Systems, Design, Maint, & NFPA 72	July 17 8:00 am–5:00 pm Intro to Fire Alarm Systems, Design, Maint, & NFPA 72	July 18 8:00 am–5:00 pm Intro to Fire Alarm Systems, Design, Maint, & NFPA 72
July 21 8:00 am–5:00 pm M-2 Conventional & MAAP(+) Addressable Point Reporting	July 22 8:00 am–5:00 pm M-2 Conventional & MAAP(+) Addressable Point Reporting	July 23 8:00 am–5:00 pm M-2 Conventional & MAAP(+) Addressable Point Reporting	July 24 8:00 am–5:00 pm M-2 Conventional & MAAP(+) Addressable Point Reporting	July 25 8:00 am–5:00 pm M-2 Conventional & MAAP(+) Addressable Point Reporting

*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.

October 2025

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

November 2025

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

*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.

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: 020-000-00	
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	<ul style="list-style-type: none">■ 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: 020-017-00	
Who Should Attend	Anyone who is responsible for configuring or maintaining the D-21 database and D-21 operators and trainers of operators.
Topics	<ul style="list-style-type: none">■ 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: 020-024-00	
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	<ul style="list-style-type: none"> ■ 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 multi-building 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	<ul style="list-style-type: none">■ 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	<ul style="list-style-type: none">■ 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.

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	<ul style="list-style-type: none">■ 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	<ul style="list-style-type: none"> ■ 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.