

JMA

WIRELESS

Technical Education Catalog

2019



Private Training

Individual customers can arrange for private courses to be conducted on-site or at hosted locations.



Webinars & Online Learning

Webinars and online learning opportunities are regularly scheduled and can be taken at the student's convenience.



On-site In-Person Training

Instructor-led classroom courses are regularly scheduled and conducted globally in various regions along with customer-hosted locations.

JMA Wireless Technical Education Series offers instruction for people designing, installing, and commissioning the JMA Wireless TEKO DAS Platform, Transmission Line Systems, FUZE™ Platform and Antenna Systems. Learning opportunities include live, online instruction and instructor-led classroom courses.

| Webinars | | | |
|------------------------|---|--|--|
| Audience | Basic | Advanced | PRO |
| Installer | <ul style="list-style-type: none"> TEKO DAS Platform RET Antenna Training FUZE Basic Training | <ul style="list-style-type: none"> TEKO DAS Installation | |
| Operations | <ul style="list-style-type: none"> TEKO DAS Platform TEKO DAS Installation OMC RET Antenna Training | <ul style="list-style-type: none"> TEKO DAS Operation & Maintenance | |
| RF engineer | <ul style="list-style-type: none"> TEKO DAS Platform TEKO DAS Installation Public Safety | | <ul style="list-style-type: none"> TEKO DAS Commissioning Prerequisite course: TEKO DAS Installation and Commissioning Uplink Performance |
| Design engineer | <ul style="list-style-type: none"> TEKO DAS Platform Public Safety TEKO Components in iBwave | | <ul style="list-style-type: none"> Uplink Performance |

| Classroom Training | | | |
|------------------------|--|---|---|
| Audience | Basic | Advanced | PRO |
| Installer | <ul style="list-style-type: none"> Basic Connector RET Antenna Training FUZE Digital Electricity Installation | <ul style="list-style-type: none"> Advanced Connector Prerequisite course: Basic Connector | <ul style="list-style-type: none"> TEKO DAS Operations and Maintenance TEKO DAS Installation and Commissioning |
| Operations | <ul style="list-style-type: none"> Basic Connector RET Antenna Training | <ul style="list-style-type: none"> Advanced Connector Prerequisite course: Basic Connector TEKO DAS Operations and Maintenance | <ul style="list-style-type: none"> TEKO DAS Installation and Commissioning |
| RF engineer | | <ul style="list-style-type: none"> TEKO DAS Installation and Commissioning | |
| Design engineer | | <ul style="list-style-type: none"> Advanced Configuration and Architectural Design | <ul style="list-style-type: none"> TEKO DAS in iBwave Prerequisite: Requires a current iBwave level one (or higher) certification |



CONNECTORS, ANTENNA'S AND
FUZE DIGITAL ELECTRICITY

Basic Connector Training

Instructor-led, four-hour course

Overview

This four-hour, technical, connector-and-tool training includes a presentation of features and benefits, failure mode, instructor demonstration of proper techniques and hands-on tech cable and connector jumper completion to ensure the audience has the ability and confidence to complete connector installation successfully. Once you successfully complete the training, you will receive a certification card.

Target Audience

Technicians planning to install JMA Wireless compression connectors.



Advanced Connector Training

Instructor-led, four-hour course

Overview

This carrier-sponsored, four-hour, advanced technical training class covers JMA Wireless connectors and tools for those contractors who have previously attended the JMA Wireless Basic Training class. It provides the carrier with a better understanding of how their contractors install JMA Wireless connectors. Testing for passive intermodulation (PIM) and maintenance of JMA Wireless tools and PIM test equipment are taught in depth. The JMA Wireless class is taught in cooperation with a PIM-test-set vendor (either Kaelus or Anritsu). Kaelus and Anritsu both audit the contractor's PIM test equipment and review the importance of testing for PIM, and provide a refresher of what PIM is. Once the contractor successfully completes the training, they will receive an advanced certification card, and the carrier sponsoring the training will also receive course results for their records.



RET Antenna Training

Instructor-led, two-hour course

Overview

This two-hour, carrier or neutral host company sponsored JMA Wireless Remote Electrical Tilt Workshop encourages discussion and continued learning of JMA Wireless RET products, AISG 2.0, and troubleshooting tips.



FUZE Digital Electricity™

Installation & Maintenance

Instructor-led, two-hour course

Overview

This 2-hour interactive FUZE Digital Electricity™ training session will improve installation and maintenance techniques when operating the JMA Wireless FUZE Digital Electricity™ system components.

Target Audience

JMA Wireless contractors that are installing and maintaining FUZE Digital Electricity™ systems.





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TEKOTM



TEKO DAS Platform Overview

Webinar

Overview

This 1.5-hour interactive webinar provides those working with Distributed Antenna Systems with an overview on the JMA Wireless TEKO DAS product line components, main features, and key benefits. The webinar is a basic walk-through of the Radio Frequency (RF) end-to-end chain and TEKO DAS functions.

Target Audience

JMA Wireless partners, system integrators, DAS designers, technical staff, sales and marketing



TEKO™

TEKO DAS Installation & Commissioning

Instructor-led, two-day course

Overview

This hands-on technical certification course provides students with the experience required to install, commission and maintain the JMA Wireless TEKO DAS platform.

Target Audience

JMA Wireless customers and partner system integrators, RF engineers, technicians, RF operations personnel and experienced DAS installers.

TEKO DAS Certified Commissioning Review

Webinar

Overview

This 1 ½ hour interactive webinar provides information helpful to RF engineers who are tasked with commissioning the TEKO DAS platform. A review of the commissioning steps, tools, and required test equipment will be presented, along with a question and answer period.

Target Audience

JMA Wireless partners, System Integrators, RF Engineers who are currently certified in TEKO DAS Installation and Commissioning.

TEKO DAS Operation and Maintenance

Webinar

Overview

This 2hour webinar covers the TEKO DAS Operation and Maintenance Terminal, basic troubleshooting and operational best practices to provide students with information necessary to maintain and troubleshoot the JMA Wireless TEKO DAS platform.

Target Audience

JMA Partners, System Integrators, Network Operations personnel and technical staff.

TEKO DAS Operation and Maintenance

Instructor-led, one day course

Overview

This 1 day hands-on technical course covers the TEKO DAS Operation and Maintenance Terminal, basic troubleshooting and operational best practices to provide students with the experience necessary to maintain and troubleshoot the JMA Wireless TEKO DAS platform.

Target Audience

JMA Partner System Integrators, RF Engineers, Technicians and Operations personnel.



TEKO DAS Basic Installation

Webinar

Overview

This 2-hour technical webinar provides students with the information necessary to install the TEKO DAS Master Unit and Remote units. Topics covered include installation best practices, accessing the operation and maintenance terminal (OMT) and performing green light testing.

Target Audience

JMA Partners, System Integrators, Technicians, Operations personnel and Installers.

TEKO DAS Components in iBwave

Webinar

Overview

This 1.5-hour interactive webinar provides students with the information necessary to identify the TEKO DAS equipment, install vex files, configure master unit components and utilization of the automatic and manual power sharing while designing active DAS within the iBwave environment.

Target Audience

JMA Wireless partners, system integrators, DAS designers, technical staff, sales and marketing.



TEKO DAS in iBwave Certification

Instructor-led, two-day course

Overview

JMA Wireless TEKO DAS in iBwave is an instructor-led, hands-on, two-day certification course. The purpose of this course is to enable iBwave users to proficiently design JMA Wireless TEKO DAS solutions using provided vex and template files. Attendees will gain the experience to effectively design TEKO DAS systems.

Target Audience

JMA Wireless partners and customers, RF engineers and radio planners designing with the JMA Wireless TEKO platform in iBwave.

TEKO DAS Advanced Configuration and Architectural Design Certification

Instructor-led

Overview

This 2 day hands on instructor led course will enable experienced RF/Radio planners and designers to effectively select the correct product(s), determine power supply requirements and assemble accurate bill of materials optimized for given applications.

Target Audience

JMA Partners, System Integrators, DAS designers and Radio planners who have experience designing indoor and outdoor Distributed Antenna Systems.



JMA Wireless Uplink Performance

Webinar

Overview

This 1 ½ hour interactive webinar provides those working with Distributed Antenna Systems with an overview on uplink considerations. The webinar is a deep walk-through on how uplink dimensioning affects system's performances and how TEKO DAS product line components can optimize uplink capacity.

Target Audience

JMA Partners, System Integrators, RF Engineers, DAS designers.

Supervision and Monitoring of TEKO DAS platform: OMT and OMC

Webinar

Overview

This 1 ½ hour interactive webinar provides those working with Distributed Antenna Systems with an overview on OMC (Operation and Management Center), main features and key benefits. The webinar is a walk-through of remote monitoring options for TEKO DAS system.

Target Audience

JMA Partners, System Integrators, Network Operations personnel and technical staff.



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XRAN BBU Activation and RF Commissioning

Instructor Led

Q4 FY19

Overview

This 2-day hands-on technical course will enable experienced RF Systems Engineers to effectively install XRAN server config files, verify server operation, conduct XRAN BBU Activation and RF Commissioning.

Target Audience

Wireless Service Provider Systems and RF Engineering staff with experience commissioning radio access equipment and Distributed Antenna Systems.



XRAN Operation, Administration and Maintenance (OA&M)

Instructor Led

Q4 FY19

Overview

This 2-day hands-on technical course will enable experienced RF Engineers and Field Operations Staff to effectively operate, maintain and troubleshoot the JMA Wireless XRAN platforms.

Target Audience

Wireless Service Provider Network and Field Operations staff who have experience maintaining radio access network equipment and Distributed Antenna Systems.

XRAN Configuration, Dimensioning and Design

Instructor Led

TBD

Overview

This 1-day hands-on technical course will enable experienced RF/Radio planners and designers to effectively complete the Service Activation Form, BBU Configuration file, system dimensioning, configuration and assembling of a bill of material for the JMA Wireless XRAN and CELL Hub platforms.

Target Audience

Wireless Service Provider radio network planners, DAS designers, and RF Engineers who have experience designing radio access networks and Distributed Antenna Systems.

XRAN Performance Monitoring and Optimization

Instructor Led

TBD

Overview

This 1 ½ day hands-on technical course will enable experienced RF Engineers to effectively monitor and optimize the performance of the XRAN platform.

Target Audience

Wireless Service Provider RF Engineering staff with experience in radio access network optimization and performance monitoring.

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**PUBLIC
SAFETY
SYSTEM**

JMA Wireless Public Safety

Webinar

Overview

This 2 hour interactive webinar provides an overview of the key parameters, applications, specifications, and technical information on the current public safety product offerings.

Target Audience

JMA Wireless partners, system integrators, DAS designers, technical staff, sales and marketing



JMA Wireless Public Safety (INTL)

Webinar

Overview

This 1.5-hour interactive webinar provides an overview of the JMA Wireless Public Safety products, main features, and key benefits.

Target Audience

JMA Wireless partners, system integrators, DAS designers, technical staff, sales and marketing

Additional Course Information

Flexible on-site or online learning

Training Locations

Instructor-led classroom courses are regularly scheduled and conducted globally in various regions along with customer-hosted locations.

Private Training

Individual customers may request private courses to be conducted on-site or at hosted locations. Minimum of six students required.

Online Learning

Webinars and online learning opportunities are regularly scheduled and can be taken at the student's convenience.

Contact Us:

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