



Dear Customer,

Within this catalogue you have access to an overview of the trainings that we, Bosch Security and Safety Systems, offer to our customers in the **Southern Africa central location of Midrand, South Africa.**

Although the **majority of the featured trainings are classroom trainings**, we have also **included online trainings** that are **necessary as a prerequisite in order to attend specific classroom training/s.**

This catalogue includes a broad choice of all the classroom trainings that we offer in Midrand, South Africa and therefore each domain is represented, thus within this catalogue you will find trainings in: Video, Intrusion, Access Control, Management Systems, Public Address, Conference and Fire.

As we offer both online and classroom trainings you will see these symbols within this catalogue:



This symbol represents the trainings that are **online**



This symbol represents the trainings that take place in the **classroom**

Each page includes a description of the training together with the learning targets, prerequisites and target groups.

Please note that all our classroom trainings are conducted in English unless explicitly specified otherwise.

All **online trainings are free**, **classroom trainings** in this catalogue **include pricing based on the full classroom training course.** Please contact our Training Administrator, Nico Broodryk on +27 (0)11 651-7808 or security.training@za.bosch.com for any further training related queries.

Language explanation for written content:

English (EN), French (FR), Portuguese (PT)

All audio of the WBT's are in English only

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Communication Systems

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¹ Applicable for FSO-4000

Booking Information

Getting started

Please follow the steps below to create your own user account on the Bosch Security and Safety Academy. Once you have created your user account, you will be able to start the online training of your choice within the Bosch Security and Safety Academy, which you have access to at any time and can stop and start as you please.

How to register on the Bosch Security and Safety Academy

- ▶ The address of the Bosch Security and Safety Academy is <https://academy.globalteach.com/ST/Login.aspx>
- ▶ On this webpage you will find a link which says “Create an account”
- ▶ You will then be directed to the “Self registration” page for new users
- ▶ To complete the registration process please fill out all the necessary information
- ▶ Please note that access to the Bosch Security and Safety Academy will be granted within 48 business hours after the registration.

How to book classroom training

Kindly contact our training administrator, Nico Broodryk on +27 (0)11 651-7808 or security.training@za.bosch.com to discuss your selected training course, upcoming classroom training dates and next steps to book your seat.

Please ensure that all pre-requisite online trainings pertaining to the selected classroom training course, as set out in this training catalogue have been completed.

Further questions

Should you have any further questions regarding our trainings or problems with your account in the Bosch Security and Safety Academy, please do not hesitate to contact us at +27 (0)11 651-7808/9815 or security.training@za.bosch.com.

Login

Username

Password

Login

Forgotten Your Password?
If you have forgotten your password you can request a new one.
→ [Request password](#)

Don't have an account?
If you don't have a personal user account, please create your own user account here.
→ [Create an account](#)

Certificates

Both online trainings and classroom trainings award the customer a certificate upon the successful completion of the course and online exam. These certificates are often prerequisites in order to progress further within a training plan to achieve the highest level.

All of the certificates achieved by the customer can be found in one place on the Academy website. The certificates are available as PDF which the customer has the option to download and print.

The certificates can be viewed and downloaded by selecting the 'My profile' tab at the top of the screen. The customer is then directed to their profile which features their username, language settings and company on the first page. The customer will see a tab named 'Show certificates' on the left hand side of the screen – this is where all certificates achieved through both Online Training and Classroom Training can be found, downloaded and printed.

You invest a lot of time and effort into qualifying yourself, and we believe that your customers and partners should know about it. The more you learn, the higher the qualification you earn; all our certifications follow the steps from the level *professional* to the level *expert*, and finally to the highest level, *master*.



"The more you learn, the higher the qualification you earn"

You are here: [My profile](#) > [Show certificates](#)

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 - [▶ Training plan registrations](#)

 - [▶ Course registrations](#)

 - [▶ Virtual course registrations](#)

Video Systems Overview



Security

Bosch Video Systems Professional – Training Plan (Online)



Short description	The Bosch Video Systems Professional Online Training Plan consists of 2 web-based trainings . The delegate will receive an overview of the Bosch world in general and will be provided with basic information concerning Bosch Video Systems technologies.
Content	The modules and topics that will be featured within this training plan are: <ul style="list-style-type: none"> ▶ Bosch Video Systems basic training ▶ Introduction to the Bosch group ▶ Bosch key technologies ▶ Bosch IP product portfolio ▶ Intelligent Video Analytics (IVA) ▶ Bosch Integration Partner Program (IPP)
Learning targets	By successfully completing this training plan, the delegate should: <ul style="list-style-type: none"> ▶ Understand basic information concerning Bosch Video Systems
Prerequisites	None
Target groups	Recommended for: <ul style="list-style-type: none"> ▶ System Integrators, Administrators and Installers ▶ Project Engineers & Sales Support Engineers ▶ Sales and Pre-Sales Teams ▶ System Design

Security

IP Networking Basics (Online)



Short description	<p>Understanding basic networking functions and concepts. IPv4 addressing, data protocols, transmission methods and an overview of the Open System Interconnection (OSI) model.</p> <p>Timing: It will take approximately 90 minutes to complete this training course.</p> <p>This course is available in the following languages: English / Russian / Chinese / German / French / Spanish</p>
Content	<ol style="list-style-type: none"> 1. Network Overview <ul style="list-style-type: none"> ▶ What is IP? ▶ What is a Network? ▶ Local Area Network and Wide Area Network ▶ Hardware ▶ Network Cables 2. IP Addressing Basics <ul style="list-style-type: none"> ▶ Anatomy of an IPv4 Address ▶ IPv4 Address Classes ▶ IPv4 Address Structure ▶ IPv4 Address Types ▶ Subnet 3. Data Protocols and Data Transmission <ul style="list-style-type: none"> ▶ OSI Model ▶ Data Transmission Methods ▶ Data Protocols
Learning targets	<p>By the end of this training the delegate should be able to:</p> <ul style="list-style-type: none"> ▶ Have a better understanding of the way basic networking functions. ▶ Understand the various types of cabling used in networks. ▶ Understand what network equipment is used and what type of connectivity each can provide. ▶ Give first recommendations on basic networking functionality and support in smaller network environments.
Prerequisites	None
Target groups	This WBT is intended for all employees who are integrating products in an IT network or who are offering support to customers.

Security

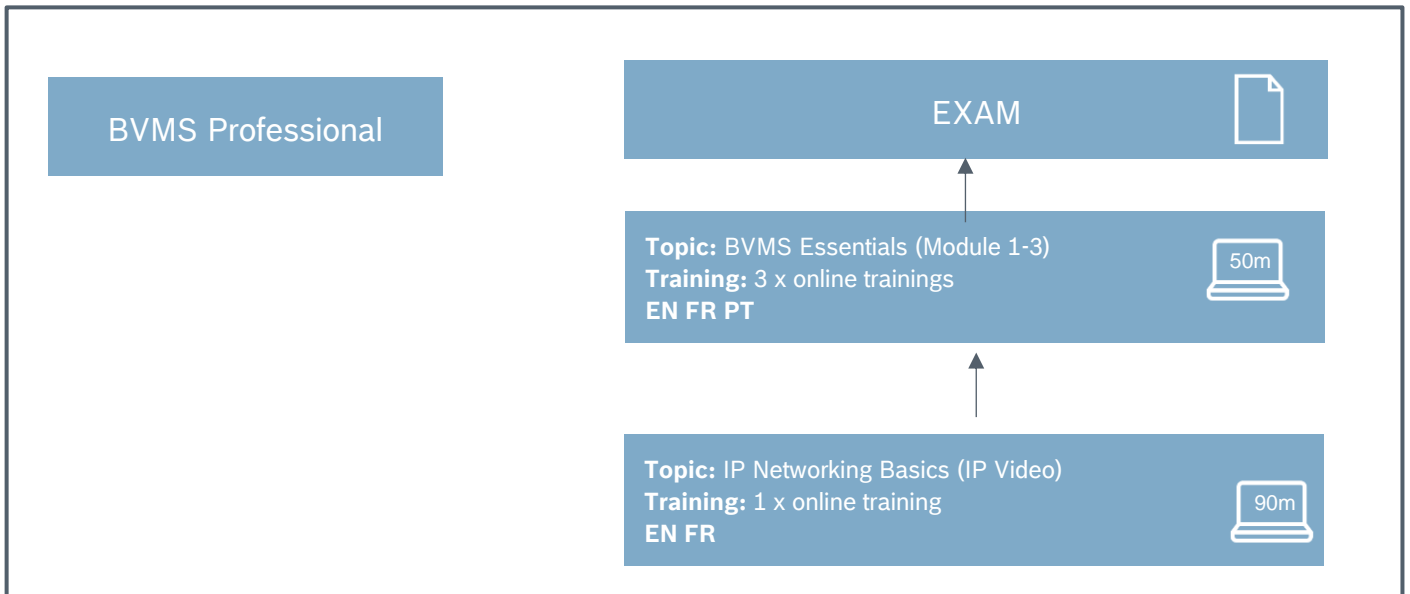


Bosch Video Systems Expert - Training Plan (Online)

Short description	<p>The Bosch Video Systems Expert Online Training Plan consists of 4 web-based trainings. This training plan will describe the different elements of cameras, IP recording and video analytics that need to be taken into consideration when you start designing a video systems solution.</p>
Content	<p>The modules and topics that will be featured within this training plan are:</p> <p>Bosch Video Systems Introduction to the Expert Training</p> <ul style="list-style-type: none"> ▶ History of C.C.T.V ▶ Camera fundamentals (module 1) <ul style="list-style-type: none"> ▶ Lens and Back focus ▶ Light and Illumination ▶ Field of view ▶ Encoding ▶ Technologies ▶ CPP ▶ Recording fundamentals (module 2) <ul style="list-style-type: none"> ▶ Recording designs ▶ Compression ▶ Bandwidth ▶ Recording modes ▶ Retention times ▶ iSCSI ▶ RAID ▶ NVR-VRM recordings ▶ Project Design fundamentals (module 3) ▶ Video Analytics fundamentals (module 4) <ul style="list-style-type: none"> ▶ Understanding how video analytics work ▶ Designing a solution
Learning targets	<p>By successfully completing this training plan, the delegate should be able to:</p> <ul style="list-style-type: none"> ▶ Understand the elements of a video solution ▶ Design a video solution based on the Bosch portfolio ▶ Understand the basic rules to be able to implement video analytics
Prerequisites	<p>Successful completion of Bosch Video Systems Professional (see page 11)</p>
Target groups	<p>Recommended for:</p> <ul style="list-style-type: none"> ▶ System Engineers and Installers ▶ Project Engineers & Sales Support Engineers ▶ Pre-Sales Teams ▶ System Design

Bosch Video Management System (BVMS) overview

Training for Technical Engineers



Languages are subject to availability (phased approach)

Security

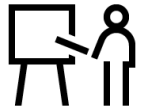
Bosch Video Management System (BVMS) – Professional Level Online Training Plan: Technical Focus



Short description	<p>When completing this Professional Level Online Training Plan, the delegate will be able to register for Expert Level Classroom Training offered in Midrand, South Africa.</p> <p>It includes Web-based Training (WBT) modules that will provide the delegate with essential knowledge about Bosch Video Management System (BVMS) and the related environment. Completing this Professional Level Training Plan is the prerequisite to continue with the Expert Level Training Plan including classroom based trainings.</p> <p>Please register to the Training Plan and open it afterwards in order to view the assigned, individual Web-based Training (WBT) offering.</p> <p>This course is available in the following languages: English / Russian / Chinese / French / Spanish / Portuguese / Turkish / Korean</p>
Content	<p>The modules and topics that will be featured within this training plan are:</p> <ul style="list-style-type: none"> ▶ IP-Networking basics (Web-based Training) <ul style="list-style-type: none"> ▶ Module 1: Main system components and building blocks ▶ Module 2: Basic interaction between system components ▶ Module 3: Additional system components ▶ Web-based online exam in order to attain the BVMS Professional Level Certificate
Learning targets	<p>By successfully completing this training plan, the delegate should be able to:</p> <ul style="list-style-type: none"> ▶ Understand the basic functionality of the main BVMS system components ▶ Understand the basic interaction between the main BVMS components ▶ Understand the basic functionality of the additional BVMS system components
Prerequisites	None
Target groups	<p>Recommended for:</p> <ul style="list-style-type: none"> ▶ System Engineers, Administrators and Installers

Security

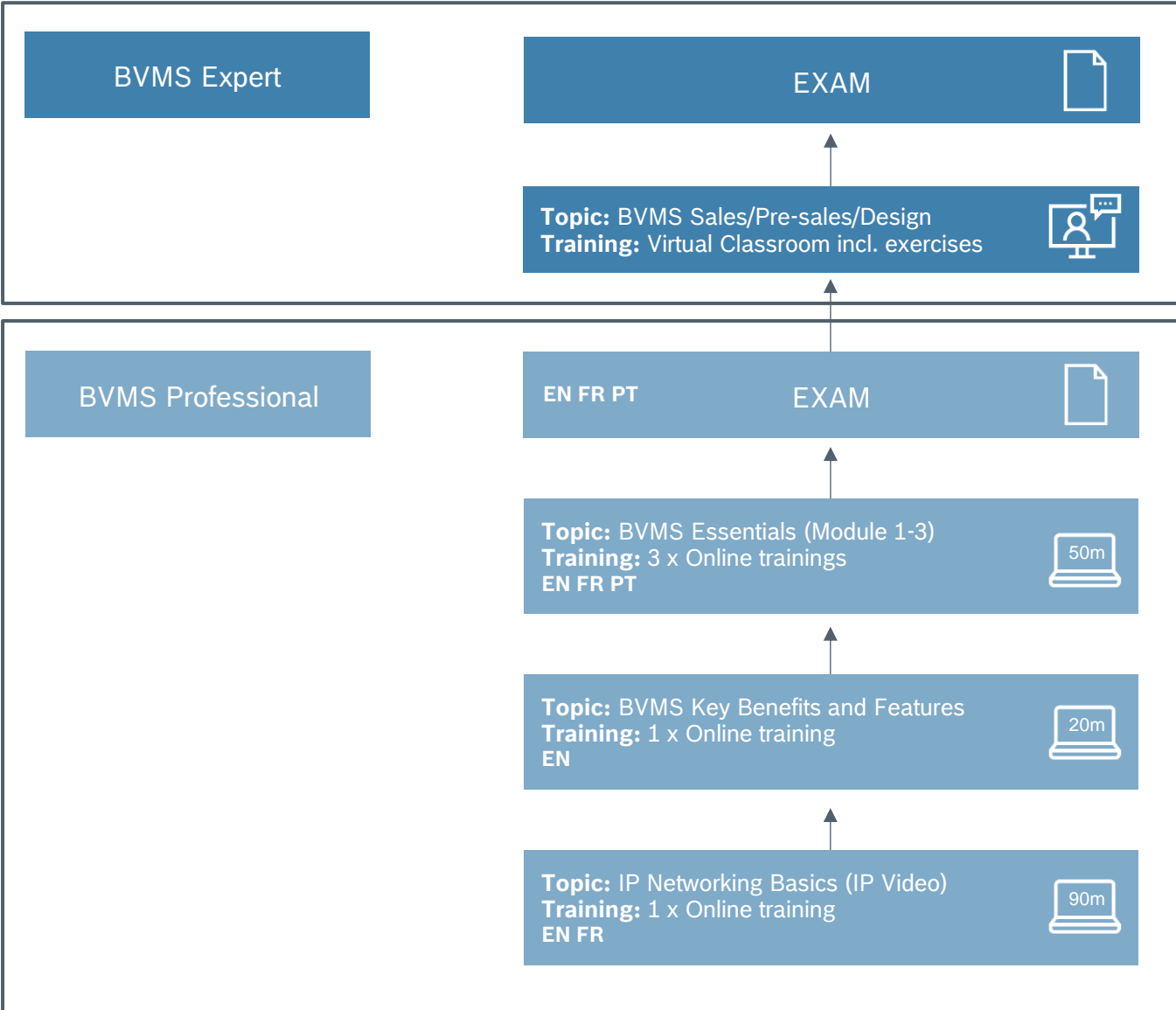
Bosch Video Management System (BVMS) – Expert Level Classroom Training Plan: Technical Focus



Short description	<p>This Training Plan offers a collection of Classroom based Trainings. Please register for the Training Plan and open it afterwards in order to view the individual, classroom trainings offered.</p> <p>Registration to this Training Plan is always possible, there is no prerequisite. However, registering to the classroom training which is offered inside this Training Plan requires the successful completion of the BVMS Professional Level Training Plan including the Professional Level Exam. A pass rate of 75% of the BVMS Professional Level Exam is required in order to register for the Expert Level Classroom Training.</p> <p>When completing this Training Plan, the delegate will be able to attain the Expert Level Certificate for Bosch VMS.</p> <p>The exam at the end of this Training Plan is available in the following languages: English / Russian / Chinese / French / Spanish / Portuguese</p>
Content	<p>The modules and topics that will be covered in this training are:</p> <ul style="list-style-type: none"> ▶ BVMS technical overview and main components (MS, VRM, Operator and Configuration Client) ▶ Installation, time synchronisation of system components and license activation ▶ Configuration client: Overview, initial device configuration (cameras, monitor walls and other devices) ▶ Configuration client: Logical tree, schedules, streams and configuration of recording ▶ Configuration client: Events and alarm handling, user groups and permissions ▶ Video Recording Manager (VRM) fundamentals and detailed configuration ▶ Overview of Bosch iSCSI storage arrays in Bosch VMS environment ▶ Usage of Operator Client features in detail ▶ System design overview: Requirements, licensing options, scalability, resilience and storage estimation ▶ Operation and maintenance: Recording, monitoring, system backup and configuration collector
Learning targets	<p>By successfully completing this training plan, the delegate should be able to:</p> <ul style="list-style-type: none"> ▶ Explain the functionality of the main Bosch VMS components (Management Server, Video Recording Manager, Operator Client, Configuration Client) ▶ Install, configure and operate the Bosch VMS with the Configuration Client and Operator Client ▶ Understand the Video Recording Manager fundamentals and configure main VRM features ▶ Name the Bosch iSCSI storage arrays and explain the main characteristics and selection criteria in Bosch VMS environment ▶ Understand the principles of how to do system design and storage estimate ▶ Execute some basic operation and maintenance tasks
Prerequisites	<p>Successful completion of the BVMS Professional Level Training Plan and Exam (A passing rate of 75% of the BVMS Professional Level Exam is required in order to register for Expert Level Classroom Training.)</p>
Target groups	<p>Recommended for:</p> <ul style="list-style-type: none"> ▶ System Engineers, Administrators and Installers who frequently work with BVMS (hands on) ▶ Project Engineers, Sales Support Engineer & System Architects who want to gain practical (hands on) experience with BVMS
Duration	5 days
Pricing (total course)	R6,000.00 (VAT inclusive). Travel and accommodation costs are for the trainee's account.

Security

BVMS - Sales/Pre-Sales/Design



Languages are subject to availability (phased approach)

Security

Bosch Video Management System Professional Level Online Training Plan: Sales/Pre-Sales/Design focus



Short description	<p>When completing this Professional Level Online Training Plan, the delegate will be able to register for Sales/Pre-Sales/Design oriented Expert Level Virtual Classroom Training offered by Bosch Security and Safety Systems in English.</p> <p>This Training Plan includes Web-based Training (WBT) modules in order to gain essential knowledge about the Bosch Video Management System (BVMS) and the related environment. In addition, the 6 BVMS key benefits and the related features are presented.</p> <p>Please register to the Training Plan and open it afterwards in order to view the assigned, individual Web-based Training (WBT) offering. Registration to this Training Plan is free (no cost).</p> <p>The exam at the end of this Training Plan is available in the following languages: English / Russian / Chinese / French / Spanish / Portuguese</p>
Content	<p>The modules and topics that will be covered in this training are:</p> <ul style="list-style-type: none"> ▶ 01 IP-Networking basics (Web-based Training) ▶ 02 BVMS Key Benefits and Features (Web-based Training including audio) ▶ 03 BVMS Essentials Module 1: Main system components and building blocks (Web-based Training including audio) ▶ 04 BVMS Essentials Module 2: Basic interaction between system components (Web-based Training including audio) ▶ 05 BVMS Essentials Module 3: Additional system components (Web-based Training including audio) ▶ 06 Professional Level Exam
Learning targets	<p>By successfully completing this training, the delegate should be able to:</p> <ul style="list-style-type: none"> ▶ Understand the basic functionality of the main BVMS System components ▶ Understand the basic interaction between the main BVMS components ▶ Understand the basic functionality of the additional system components
Prerequisites	None
Target groups	<p>Recommended for:</p> <ul style="list-style-type: none"> ▶ Sales/Commercial/Pre-sales/Design oriented Experts ▶ Project Managers, Architects & Engineers

Security

Bosch Video Management Systems Expert Level Virtual Classroom Training Plan: Sales/Pre-Sales/Design focus



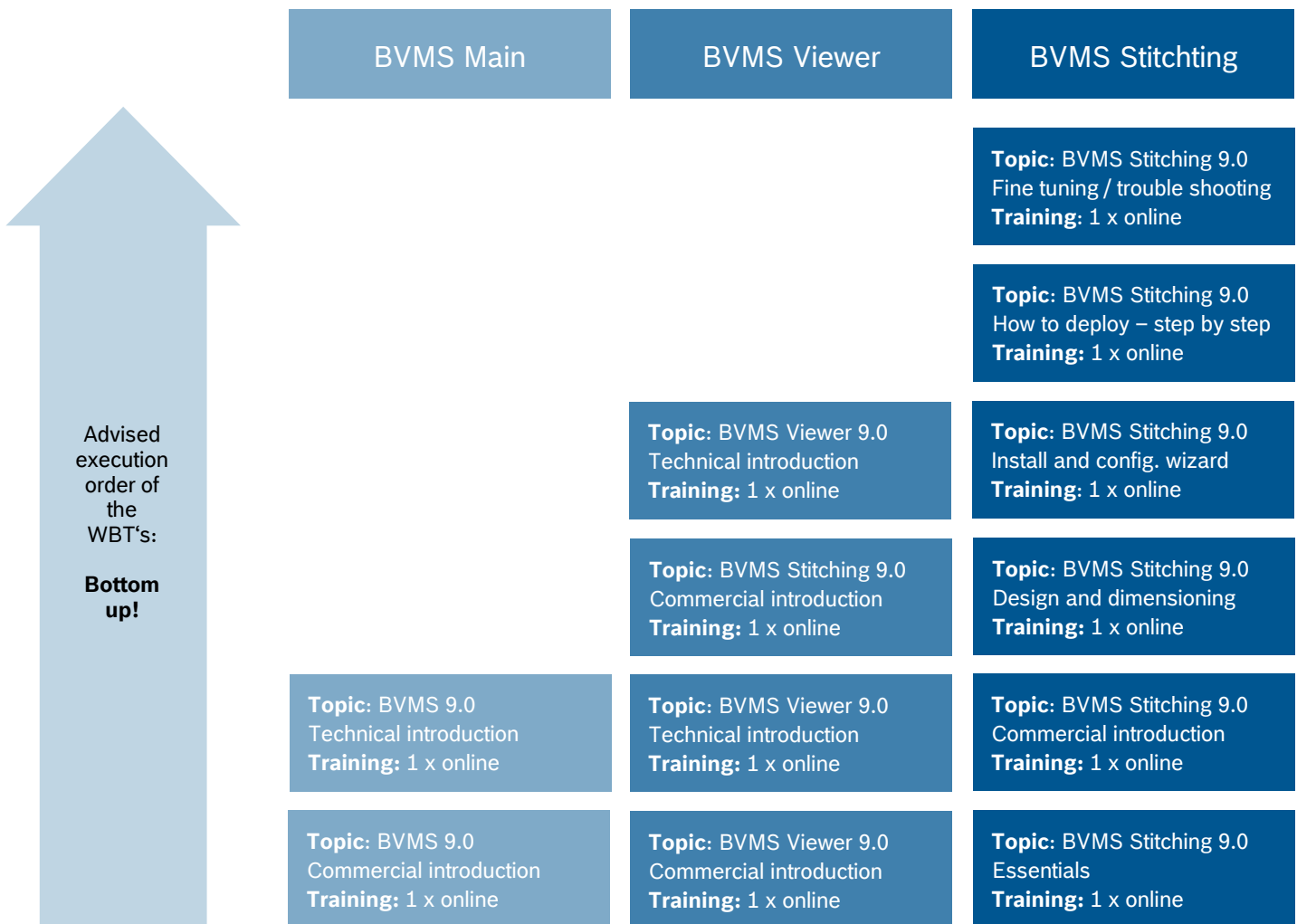
Short description	<p>This Training Plan includes Virtual Classroom Training for Sales/Pre-Sales/Design specialists. Please register to the Training Plan and open it afterwards in order to view the individual training sessions offered.</p> <p>When completing this Training Plan, the delegate will be able to attain the Expert Level Certificate for the Bosch Video Management Systems (BVMS) with focus on Sales/Pre-Sales/Design.</p>
Content	<p>During this training, the delegate will learn: To explain and understand the following topics from sales/design point of view:</p> <ul style="list-style-type: none"> ▶ Unique selling points ▶ Resilience concept ▶ Video Recording Management ▶ Important features (Enterprise, MVS, Dual/Failover Recording, GPU decoding, panoramic cameras, logbook, forensic search, etc.) <p>BVMS Design options:</p> <ul style="list-style-type: none"> ▶ Remote/Multiple site concepts ▶ BVMS Licensing options ▶ System limits ▶ Execute a storage calculation and select the best option for the customers from the Bosch storage portfolio ▶ Create a bill of material for ordering ▶ Complex design: Enterprise System, Dual Recording, Failover VRM ▶ Integration options (SDK, SNMP, ONVIF etc.)
Learning targets	<p>By successfully completing this training, the delegate should be able to:</p> <ul style="list-style-type: none"> ▶ Understand and explain the key features and unique selling points of BVMS ▶ Design a BVMS solution including: <ul style="list-style-type: none"> ▶ Storage Calculation ▶ Bill of Material ▶ Licensing
Prerequisites	<ul style="list-style-type: none"> ▶ A successful completion of the BVMS Professional Level Training Plan including the Professional Level Exam is required. ▶ Registration to this Training Plan is always possible, there is no prerequisite and the training is offered at no cost.
Target groups	<p>Recommended for:</p> <ul style="list-style-type: none"> ▶ Sales Specialists ▶ Sales Support Engineers ▶ System Architects ▶ Project Managers

Security



BVMS – All Bosch Video Management System (Online) Trainings

Within the BVMS product family we are now offering a range of new online trainings free of charge. These Web-based Trainings feature introductions to the BVMS Main, BVMS Viewer and BVMS Stitching softwares. These trainings are suitable for both technical and sales / design target groups. (Everyone has the option for what they wish to study)



Intrusion



MAP 5000 System Professional – Introduction to MAP 5000 (Online)

Short description	A Web-based Training Plan which provides an overview of the Modular Alarm Platform 5000 (MAP 5000) system.
Content	The modules and topics that will be covered within this training plan are: <ul style="list-style-type: none"> ▶ System Overview ▶ MAP 5000 components ▶ Options
Learning targets	By successfully completing this training plan, the delegate should be able to: <ul style="list-style-type: none"> ▶ Identify the benefits of using the MAP 5000 system ▶ Explain the purpose of the Bosch Open Intrusion Interface (OII) ▶ List the main components of the MAP 5000 system and describe their functions ▶ Identify the main uses of Bosch's Remote Programming Software (RPS)
Prerequisites	None
Target groups	Recommended for: <ul style="list-style-type: none"> ▶ Installers ▶ System Designers ▶ Technicians ▶ Sales Support Engineers

Intrusion



G-Series and B-Series – Professional Training Plan (Online)

Short description	<p>During this Professional Online Training Plan the delegate will learn about:</p> <ul style="list-style-type: none"> ▶ The basic components of an intrusion alarm system and understand the features and benefits of the G Series and B Series Integrated System. <p>This training is available in the following languages: English / Polish / Italian / Hungarian / Greek / Spanish / French / Portuguese</p>
Content	<p>The modules and topics that will be covered within this training plan are:</p> <ul style="list-style-type: none"> ▶ Intrusion System Fundamentals ▶ Integrated Intrusion Systems Overview <ul style="list-style-type: none"> ▶ Control Panel and Hardware Devices ▶ System Integration and Features
Learning targets	<p>By successfully completing this training plan, the delegate should be able to:</p> <ul style="list-style-type: none"> ▶ Identify the components of an intrusion alarm system ▶ Determine which G-Series or B-Series control panel model is suited for each application, based on the features and benefits
Prerequisites	None
Target groups	<p>Recommended for:</p> <ul style="list-style-type: none"> ▶ Installers ▶ System Programmers ▶ Service Technicians ▶ Project Managers ▶ Sales Teams

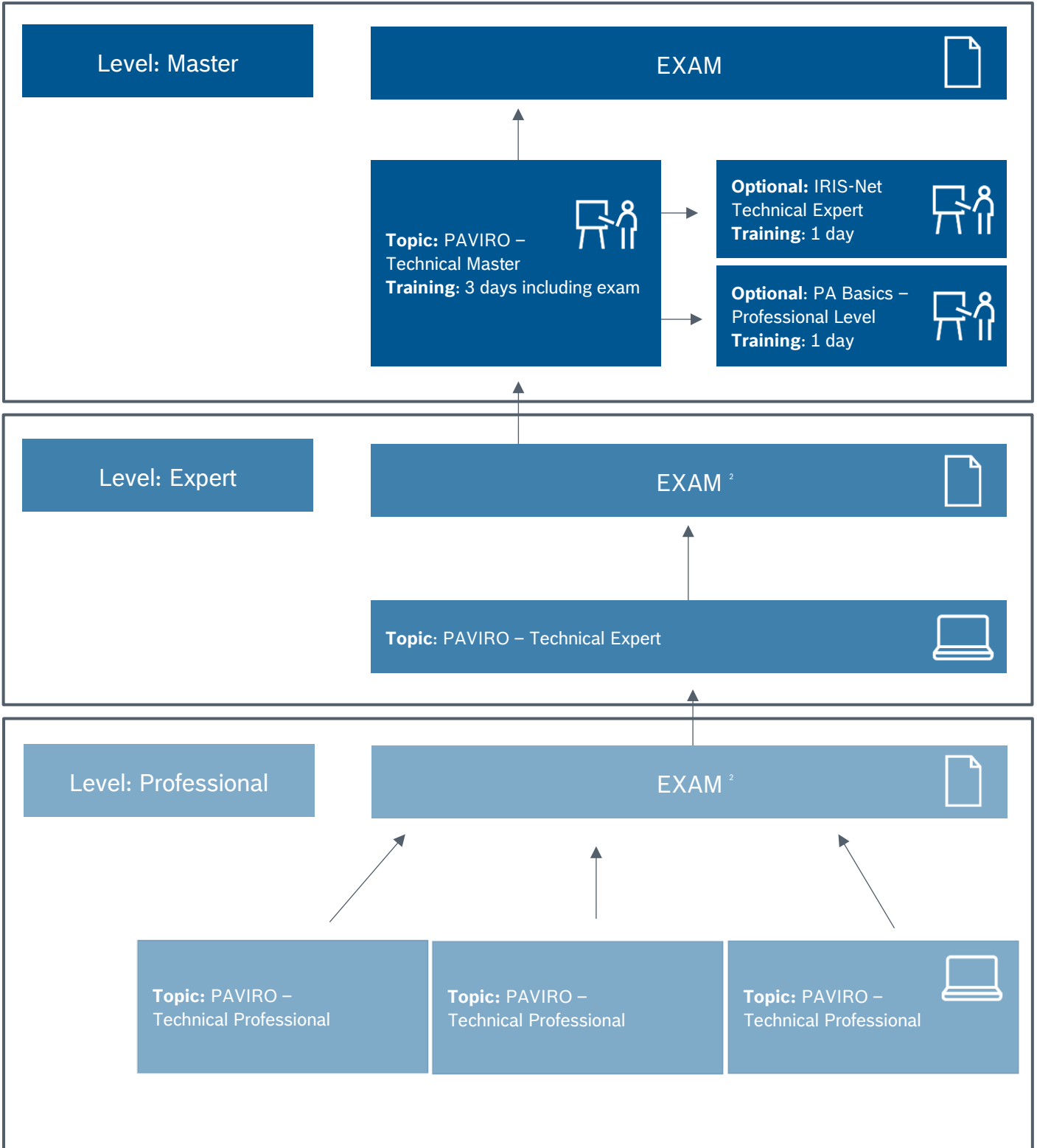
Communications



Bosch Public Address PA Basics – Professional Training (Online)

Short description	In this Web-based Training Plan , we will provide the delegate with the basic information concerning audio and public address technologies.
Content	<p>The modules that will be part of this web-based training plan are:</p> <ul style="list-style-type: none"> ▶ Public Address basics ▶ 100Volt Basics ▶ Microphones ▶ Loudspeakers ▶ Amplifiers ▶ Mixing Amplifiers ▶ Application of characteristics of Public Address Systems
Learning targets	<p>By successfully completing this training plan, the delegate should be able to:</p> <ul style="list-style-type: none"> ▶ Have a basic understanding of the principles of operation of public address ▶ Know the different components and techniques used in a public address ▶ Have a basic understanding of the applications and markets of public address ▶ Be provided with the fundamentals for the rest of the training week(s)
Prerequisites	Basic knowledge of electricity / electronics
Target groups	<p>Recommended for:</p> <ul style="list-style-type: none"> ▶ Employees, commercial and technical, with no or limited experience in Public Address ▶ Beginners who hardly have experience in the Public Address business and want to attend other Public Address trainings

PAVIRO Overview



² As part of online tests included in the Web Based Training modules

Public Address



Bosch Public Address PAVIRO (networked) – Technical Professional (Online)

Short description	This Web-based Training Plan covers an introduction to the PAVIRO system and its hardware components as well as loudspeakers and topologies and networking functions.
Content	<p>The modules that will be part of this web-based training plan are:</p> <ul style="list-style-type: none"> ▶ Bosch Public Address PAVIRO System Introduction (V2) ▶ Bosch Public Address PAVIRO Controller ▶ Bosch Public Address PAVIRO Amplifier ▶ Bosch Public Address PAVIRO Router ▶ Bosch Public Address PAVIRO Call Station ▶ Bosch Public Address PAVIRO Loudspeaker Line Supervision ▶ Bosch Public Address PAVIRO Loudspeaker Topologies Introduction ▶ Bosch Public Address PAVIRO Networked Introduction ▶ Bosch Public Address PAVIRO Networked Introduction - Assessment
Learning targets	<p>By successfully completing this training plan, the delegate should be able to:</p> <ul style="list-style-type: none"> ▶ Give an overview of the PAVIRO system ▶ Describe the hardware setup and the application of the PAVIRO devices ▶ Understand terms like CAN BUs and CST BUs ▶ Choose between the different types of loudspeaker line supervision ▶ Draft a simple PAVIRO system setup ▶ Understand different topologies and relation to router clusters ▶ Select the right number of routers and amplifiers ▶ Understand speaker line power allocation ▶ Understand the signal flow between the system components ▶ Understand the PAVIRO networking functions and features
Prerequisites	Basic knowledge of Public Address
Target groups	<p>Recommended for:</p> <ul style="list-style-type: none"> ▶ Sales and Marketing Teams

Public Address



Bosch Public Address PAVIRO (networked) – Technical Expert (Online)

Short description	<p>Web-based Training Plan The PAVIRO – from specification to Bill of Materials (BOM) trainings will give the delegate several project examples showing how to build up a PAVIRO system BOM according to project requirements.</p>
A certificate will be available upon completion of this training plan.	
Content	<ul style="list-style-type: none"> ▶ This training plan will include 5 project design examples from specification to BOM: <ul style="list-style-type: none"> ▶ Shopping Centre ▶ School ▶ Hotel ▶ Sports Centre ▶ Networked Systems ▶ It also includes an optional Network Basics Web-based Training (WBT)
Learning targets	<p>By successfully completing this training plan, the delegate should be able to:</p> <ul style="list-style-type: none"> ▶ Specify a system and turn it into a Bill of Material (BOM)
Prerequisites	The Level 'Technical Professional' must have been attained first
Target groups	<p>Recommended for:</p> <ul style="list-style-type: none"> ▶ Sales and Marketing Teams ▶ System Design Engineers

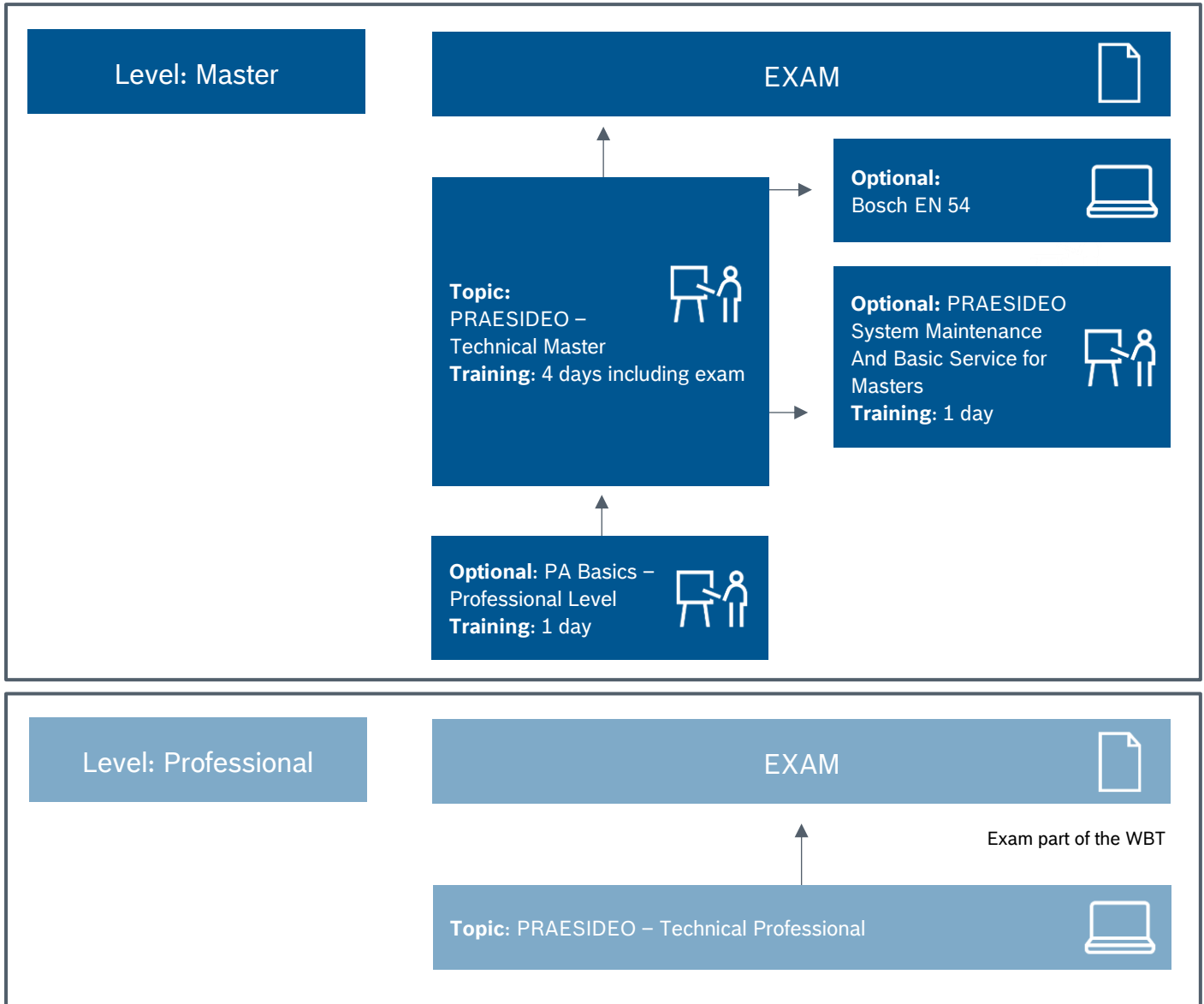
Public Address

Bosch Public Address PAVIRO (networked) – Technical Master Training Plan



Short description	The PAVIRO Master Training Plan on advanced system programming and operation is the highest qualification level available on this product line.
	This training plan consists of Web-Based Trainings and 1 Classroom Training .
	This training also qualifies the delegate as an IRIS-Net Technical Professional.
Content	<p>This training plan comprise:</p> <ul style="list-style-type: none"> ▶ PAVIRO component and system overview ▶ Configuration Wizard ▶ System examples ▶ Introduction to IRIS-Net for PAVIRO ▶ Topologies and application examples ▶ Firmware update ▶ IRIS-Net configuration software and its features ▶ System configuration examples in IRIS-Net ▶ Monitoring and spare function examples ▶ Working with 100V relays, speaker zones, groups and audio signal priorities ▶ IRIS-Net utility tools and export functions ▶ Working with Task Engine, Calendar and Integrated Message Manager ▶ Networked PAVIRO systems
Learning targets	▶ See Content as per above
Prerequisites	<ul style="list-style-type: none"> ▶ The Web-Based Training modules that are stated in the Master Certification Training Plan need to be completed before the Classroom based Training (See Bosch Security and Safety Academy) ▶ Own laptop with admin rights and installed IRIS-Net and Configuration Wizard Software have to be brought along to the training ▶ For delegates with low Public Address knowledge we recommend the PA Basics Online Training Plan
Target groups	<p>Recommended for:</p> <ul style="list-style-type: none"> ▶ Installers
Duration	3 days
Pricing (total course)	R3,600.00 (VAT inclusive). Travel and accommodation costs are for the trainee's account.

PRAESIDEO Overview



Public Address

PRAESIDEO – Technical Professional (Online)



Short description	<p>This PRAESIDEO Web-based Training Plan provides an overview on the PRAESIDEO system and its main functions.</p> <ul style="list-style-type: none"> ▶ This web-based training plan comprises 11 modules and will prepare the delegate for participation in the PRAESIDEO Classroom based Training.
Content	<p>The modules and topics that will be covered within this web-based training plan are:</p> <ul style="list-style-type: none"> ▶ PRAESIDEO Introduction ▶ PRAESIDEO Architecture ▶ PRAESIDEO Priorities ▶ PRAESIDEO Call Station Keypad Functions ▶ PRAESIDEO Control Input Functions ▶ PRAESIDEO Control Output Functions ▶ PRAESIDEO Key Characteristics ▶ PRAESIDEO Call Macro's ▶ PRAESIDEO PC Connection ▶ PRAESIDEO Security ▶ PRAESIDEO Software 4.nn
Learning targets	<p>By successfully completing this training the customer should be able to:</p> <ul style="list-style-type: none"> ▶ Understand the basics of the PRAESIDEO system and should be ready to participate in the PRAESIDEO Classroom Training
Prerequisites	<p>Basic knowledge of electronics, acoustics and public address systems</p>
Target groups	<p>Recommended for:</p> <ul style="list-style-type: none"> ▶ Engineers ▶ Installers ▶ Sales and Marketing Teams ▶ Specifiers

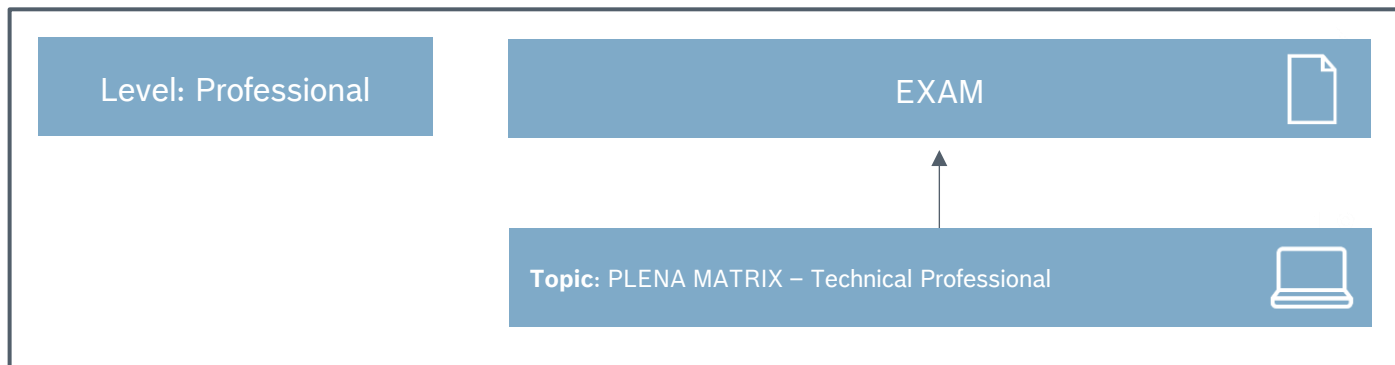
Public Address

PRAESIDEO – Technical Master



Short description	Technical Master Classroom Training on PRAESIDEO System Programming and Operation. The training plan is applicable to delegates whom have already attained Professional Level.
Content	<p>The modules and topics that will be covered within this training plan are:</p> <ul style="list-style-type: none"> ▶ Operating Principles ▶ PRAESIDEO Components ▶ Install and upgrade to the latest software (SW) release ▶ Configuring the PRAESIDEO System ▶ Messages and assembling message sets ▶ Be able to work with the offline configuration tool ▶ Storing vital system data ▶ Powering, back-up powering and power consumption ▶ Ethernet connection and local/remote access ▶ Fault, Call and Event logging ▶ PC Call station and Telephone interface ▶ IP-Audio Interface ▶ Cobra Net / OMNEO principles and the PRAESIDEO solution using Cobra Net / OMNEO ▶ Battery Charger ▶ Designing a PRAESIDEO System ▶ Hands-on configuration of a PRAESIDEO System
Learning targets	<p>By successfully completing this training plan, the delegate should:</p> <ul style="list-style-type: none"> ▶ Know the PRAESIDEO product range ▶ Select PRAESIDEO products and produce a system design ▶ Upgrade the software (SW) ▶ Configure a PRAESIDEO System ▶ Use the additional software (SW) packages for PRAESIDEO ▶ Commission a system
Prerequisites	<ul style="list-style-type: none"> ▶ Professional web-based training plan must be completed within the registration phase ▶ Broad experience in Public Address is required ▶ If a delegate, who is active in the Public Address business, wishes to partake in this course but has limited experience, the Public Address Basics Web-based Training Plan is strongly recommended
Target groups	<p>Recommended for:</p> <ul style="list-style-type: none"> ▶ Installers
Duration	4 days
Pricing (total course)	R4,800.00 (VAT inclusive). Travel and accommodation costs are for the trainee's account.

PLENA Overview



Public Address

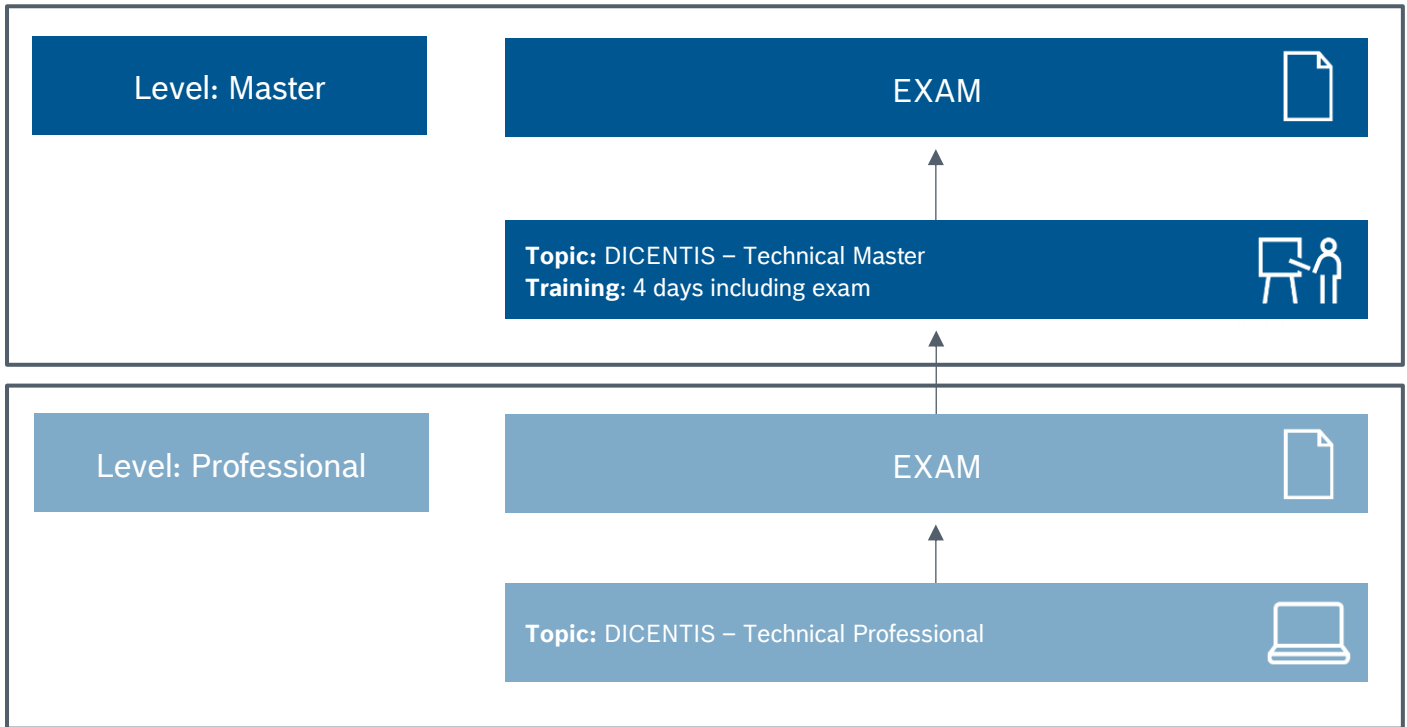


Bosch Public Address PLENA Matrix – Technical Professional (Online)

Short description	This Web-based Training Plan consists of four studying modules followed by an assessment module. Delegates are invited to have a look at the PLENA video tutorial compilation which we added as an optional module supporting this training plan.
Content	The content that will be part of this web-based training plan is: <ul style="list-style-type: none"> ▶ System Introduction ▶ Hardware Installation Introduction ▶ Matrix Mixer PC Graphic User Interface (GUI) ▶ Amplifier, Graphic User Interface (GUI) ▶ System Knowledge Assessment
Learning targets	By successfully completing this training plan, the delegate should be able to: <ul style="list-style-type: none"> ▶ Describe advantages and capabilities of the PLENA Matrix System ▶ Identify individual components ▶ List features of PLENA matrix hardware products ▶ Identify components on front and back panels ▶ Describe the feature and benefits of the Call Station and Wall Control Panel ▶ Install all five hardware components ▶ Bridge amplifier channels ▶ Set the amplifier input sensitivity ▶ Utilize amplifier standby settings ▶ Describe the override and emergency tones functionality ▶ Review PC GUI user interface levels ▶ GUI installation, interface, controls and configuration ▶ Connecting to a device ▶ Administrator settings ▶ Firmware updates ▶ Amplifier PC GUI user screen ▶ DSP Setup ▶ Standby settings ▶ iOs App user screen, menu screen and global device settings
Prerequisites	None
Target groups	Recommended for: <ul style="list-style-type: none"> ▶ Sales Teams

Conference and Discussion

DICENTIS Overview



Conference and Discussion

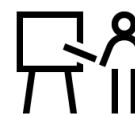
Bosch Conference DICENTIS – Technical Professional (Online)



Short description	This Web-based Training Plan is designed for sales and marketing staff. It consists of 4 modules, covering in detail the OMNEO commercial and technical basics, and provides general sales knowledge on the DICENTIS system.
Content	<p>The modules and topics that will be covered within this training plan are:</p> <ul style="list-style-type: none"> ▶ Bosch OMNEO IP Basics ▶ Bosch OMNEO General Sales Knowledge ▶ Bosch OMNEO Technical Basics ▶ Bosch Conference DICENTIS General Sales Knowledge
Learning targets	<p>By successfully completing this training plan, the delegate should be able to:</p> <ul style="list-style-type: none"> ▶ Explain the positioning of DICENTIS in the market, the benefits of the DICENTIS conference system, and in which typical applications the system can be used ▶ Know the main system components and their main functionalities, to be able to create equipment lists and offers (including Software Maintenance Agreement) ▶ Know what marcom and sales tools are available and where to use the tools
Prerequisites	General Conference Systems knowledge
Target groups	<p>Recommended for:</p> <ul style="list-style-type: none"> ▶ Sales and Marketing Teams

Conference and Discussion

Bosch Conference DICENTIS – Technical Master



Short description	<p>The qualification as Master is achieved by:</p> <ul style="list-style-type: none"> ▶ Completing the Web-based Training modules according to the Master Certification Training Plan ▶ Attending classroom based training (all training days) ▶ Passing an Online Exam after the classroom based training
<p>As there are web-based training courses as prerequisites for this classroom based training, please complete these before the end of the registration phase, otherwise your registration cannot be confirmed.</p>	
Content	<p>The modules and topics that will be covered within this training plan are:</p> <ul style="list-style-type: none"> ▶ DICENTIS Product Overview ▶ OMNEO Designing ▶ OMNEO Fault Analysis ▶ DICENTIS Design Basics ▶ DICENTIS Software ▶ DICENTIS Advanced Design Training
Learning targets	<p>By successfully completing this training plan, the delegate should be able to:</p> <ul style="list-style-type: none"> ▶ Know the features and limits of the individual DICENTIS type number ▶ Understand the different system types and their requirements ▶ Choose the right architecture: topology, re-using infrastructures, sharing traffic ▶ Know the steps required to design and deploy an OMNEO-based system ▶ Access security and reliability ▶ Know the OMNEO troubleshooting procedure ▶ Use network analysis tools ▶ Design a system taking the system limits into account ▶ Configure and operate with the DICENTIS software ▶ Design medium and large systems
Prerequisites	<p>The Web-based Training Plan included in the Master Certificate Training Plan must be completed prior to this classroom based training.</p>
Target groups	<p>Recommended for:</p> <ul style="list-style-type: none"> ▶ System Integrators
Duration	4 days
Pricing (total course)	R4,800.00 (VAT inclusive). Travel and accommodation costs are for the trainee's account.

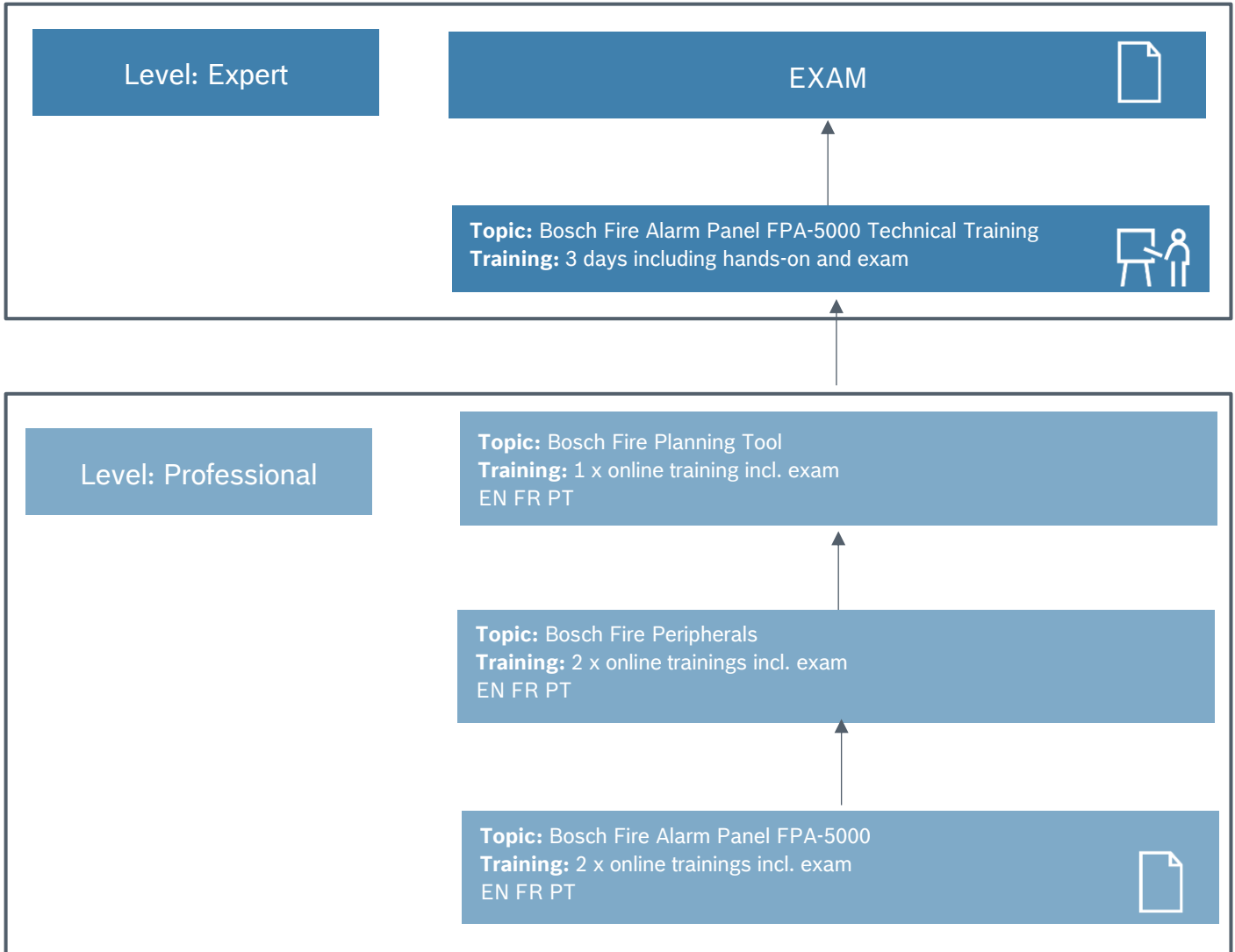
Conference and Discussion

Bosch Conference DCN Next Generation – Technical Master (ON REQUEST ONLY)



Short description	<p>Comprehensive DCN Next Generation Master Classroom based Training covering:</p> <ul style="list-style-type: none"> ▶ Stand Alone Single and Multi CCU2 (wired & wireless) ▶ Single PC & Multi PC Control (CCU2) ▶ Camera Control (CCU2) ▶ Integrus Language Distribution System <p>Note: There will be an individual knowledge questionnaire after each training module</p>
Content	<p>The content that will be part of this classroom based training plan is:</p> <ul style="list-style-type: none"> ▶ DCN Conference Solutions without PC Control ▶ Single-CCU2 ▶ Multi-CCU2 ▶ DCN Conference Solutions with PC Control ▶ DCN-SWSMV ▶ DCN-SW ▶ HD Camera Control Solutions ▶ DCN Conference Solutions third party interface possibilities ▶ INTEGRUS Language Distribution System
Learning targets	<p>By successfully completing this training plan, the delegate should have:</p> <ul style="list-style-type: none"> ▶ A full understanding of designing, installing and operating DCN Conference Solutions and First Line Services ▶ A basic understanding of designing, installing and operating DCN Conference Solutions with PC Control ▶ A full understanding of designing, installing and operating DCN Conference Solutions with Camera Control ▶ A basic understanding of Open interface (LBB4187), DCB-SWSMD and DCN-SWAPI ▶ A full understanding of designing, installing and operation of INTEGRUS Language Distribution System and First Line Services
Prerequisites	Basic knowledge of Conference Systems
Target groups	<p>Recommended for:</p> <ul style="list-style-type: none"> ▶ System Integrators
Duration	5 days
Pricing (total course)	R6,000.00 (VAT inclusive). Travel and accommodation costs are for the trainee's account.

Fire Overview



Languages are subject to availability (phased approach)

Fire



FPA-5000 Technical Professional Training Plan (Online)

Short description	<p>This Web-based Training Plan includes several topics and modules providing an overview of:</p> <ul style="list-style-type: none"> ▶ The basic components of the Bosch Fire Alarm Panel FPA-5000 ▶ Different technologies and applications for Bosch Fire Detectors ▶ Different types of manual call points ▶ Learn how to use the Bosch Planning Tool in your daily work. <p>This training plan is available in the following languages: English / German / French / Spanish / Italian / Polish / Portuguese / Russian</p> <p>Please register to the Training Plan and open it afterwards in order to view the assigned, individual Web-based Training (WBT) offering.</p>
Content	<p>This training plan will include:</p> <ul style="list-style-type: none"> ▶ Bosch Fire Alarm System FPA-5000 ▶ Bosch Fire Peripherals ▶ Bosch Fire Planning Tool
Learning targets	<p>By successfully completing this training plan the customer should be able to:</p> <ul style="list-style-type: none"> ▶ Understand the modular concept of the FPA-5000 ▶ Get familiar with functional concept of LSN and basic structure of RPS ▶ Understand features and differences of Bosch products and learn about their technical data ▶ Create: <ul style="list-style-type: none"> ▶ Tender Texts ▶ Bill of Material (BOM) ▶ Parts Lists ▶ Battery and Loop Calculations ▶ Price Estimations
Prerequisites	Basic Fire Alarm Systems knowledge
Target groups	<p>Recommended for:</p> <ul style="list-style-type: none"> ▶ System Integrators

Fire



Fire Alarm Panel FPA-1200/5000 Technical Training – Expert

Short description	<p>Classroom based Training Plan and Online Exam covering basic system design, programming and diagnostics procedures for the Bosch Fire Panel FPA-5000.</p> <p>In order to attain the Technical Expert qualification the delegate must attend all training days of the classroom trainings and pass a Web-based Exam after the trainings.</p>
Content	<p>This training plan will include:</p> <ul style="list-style-type: none"> ▶ A Recap of Modular Content ▶ Redundancy ▶ Recap LSNi Basics ▶ LSN Advanced ▶ LSNi Test Tool ▶ “Do’s and Don’ts” Installation ▶ Maintenance ▶ Troubleshooting ▶ Simple Networking ▶ Hands-on Session ▶ Programming with RPS
Learning targets	<p>By successfully completing this training plan, the delegate should be able to:</p> <ul style="list-style-type: none"> ▶ Have a general understanding of the FPA product family ▶ Design, install and program an FPA-1200/5000 system in a stand-alone setup
Prerequisites	<ul style="list-style-type: none"> ▶ Basic Fire Alarm Systems knowledge ▶ Completed FPA-5000 Technical Professional Training Plan
Target groups	<p>Recommended for:</p> <ul style="list-style-type: none"> ▶ Installers ▶ System Integrators
Duration	3 days
Pricing (total course)	R3,600.00 (VAT inclusive). Travel and accommodation costs are for the trainee’s account.

Bosch Security and Safety Systems

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Training & Certification

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