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1. Document Specification

TPNA SMB certification exam outline, written by TP-LINK global training center, mainly introduces the content of TPNA SMB certification exam, for the purpose of guiding examinee to prepare for TPNA SMB certification exam.

2. Exam Program

2.1 Exam Intro

Object

TPNA SMB Certification Exam is open to all technicians and sales working in business network devices field who have acquired abundant network knowledge, including technicians and sales personnel of TP LINK agencies, partners etc.

Content

The exam covers, but not limits to the content of TPNA SMB serial training courses. Most of the exam content comes from TPNA SMB serial training courses, but some may be beyond that.

Exam code

TP1-02

Exam duration

90 minutes

Quantity of exam questions

50 (single choice /multiple-choice questions)

Pass Score

Total score: 100; Pass score: 80 or higher

2.2 Take the exam

After you apply for exam, TP-LINK will arrange on-site exam or online exam for you based on your personal information. If you have any problem, please contact us by "training@tp-link.com".

Note: Information in this document is for reference only. TP-LINK reserves the rights of adjusting exam questions, duration and pass scores without informing examinees.

3. Exam knowledge distribution

The TP1-02 exam knowledge distribution is shown as below.

SMB Basic

- The basic knowledge about network and wireless RF (radio frequency) communication
- OSI and TCP/IP network models
- Different LAN (local area network) standards (especially Ethernet standard among them)
- Different network device components intro, including CPU, memory, twisted pair cable, fiber, fiber connector, optical module, power supply, fan and rack etc.
- Common network devices intro, including layer 2 switches, layer 3 switches and routers
- Common network problem debugging methods
- The basic concepts about wireless RF (radio frequency) communication including wavelength, frequency, amplitude, phase, reflection, scattering, refraction, attenuation, gain, multipath, power, SNR, receiving sensitivity, free-space path loss, link margin etc.
- The basic concepts about antenna including antenna gain, radiation pattern, beam width, polarization, antenna types, Fresnel zone and earth curvature etc.

SMB Switch

- The market demands of switches and the common classifications of switches
- TP-LINK switches and TP-LINK switch name rules intro
- The physical features of TP-LINK Switches
- The layer 2 basic software features of TP-LINK Switches
- The layer 2 advanced software features of TP-LINK Switches
- The layer 3 software features of TP-LINK Switches
- The competitive comparison between TP-LINK Switches and other companies' switches
- The typical scenarios of TP-LINK Switches

SMB Router

- The SMB (small & medium-sized business) network demands
- The advantages & highlights of TP-LINK SMB Routers compared with SOHO Routers
- The software function features of TP-LINK SMB Routers
- The typical application scenarios of TP-LINK SMB router's main functions
- The basic troubleshooting methods of TP-LINK SMB Routers

Business Wi-Fi Outdoor

- The market demands of business outdoor Wi-Fi and the typical outdoor Wi-Fi scenarios
- The challenges of Outdoor Wi-Fi Deployment caused by Environment and the corresponding solutions
- The challenges of Outdoor Wi-Fi Deployment caused by long distance and the corresponding solutions
- The hardware features of TP-LINK Pharos Outdoor Wi-Fi solution
- The software features of TP-LINK Pharos Outdoor Wi-Fi solution
- The typical application scenarios of TP-LINK Pharos Outdoor Wi-Fi Solution
- The competitive comparison between TP-LINK Pharos Series Products and other companies' outdoor products

Business Wi-Fi Indoor

- The market demands of business indoor Wi-Fi and the related deployment challenges
- TP-LINK EAP series intro, including appearances, installation methods, power supply methods and hardware design etc.
- Different EAP Centralized Management Solutions (especially Cluster & Software Controller solutions among them)
- The software features of TP-LINK EAP Controller
- The advanced functions of TP-LINK EAP Series
- The competitive comparison between TP-LINK EAP series and other companies' EAP products

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