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## 1. Document Specification

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

## 2. Exam Program

### 2.1 Exam Intro

#### **Object**

TPNA SOHO Certification Exam is open to all technicians and sales working in home network devices field who have acquired basic 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 SOHO serial training courses. Most of the exam content comes from TPNA SOHO serial training courses, but some may be beyond that.

#### **Exam code**

TP1-01

#### **Exam duration**

90 minutes

#### **Quantity of exam questions**

50 (single choice /multiple-choice questions)

#### **Pass Scores**

Total scores: 100; Pass sores: 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 TP1-01 exam knowledge distribution is shown as below.

#### **Basic Network**

- The basic network knowledge about WAN (wide area network), LAN (local area network) and WLAN (wireless local area network)
- OSI and TCP/IP network models
- The basic concepts and related protocols of network data link layer
- The basic concepts and related protocols of network internet layer
- The basic concepts and related protocols of network transport layer
- The basic concepts and related protocols of network application layer

#### **Basic Wireless**

- The basic concepts of wireless communication
- The related technologies of wireless communication
- The transmission process of wireless communication
- The basic concepts and related technologies of WLAN (wireless local area network)

#### **Wireless Router**

- The market demands of wireless routers
- The typical application scenarios of wireless routers
- IEEE 802.11 Wireless LAN standards (WLAN) including 802.11n & 802.11ac standards
- The configuration methods of TP-LINK wireless routers
- The advanced functions of TP-LINK wireless routers
- TP-LINK wireless routers intro
- Q/A & Troubleshooting about TP-LINK wireless routers

#### **Wireless Adapter**

- The typical application scenarios of wireless adapters
- TP-LINK wireless adapters intro
- TP-LINK 11AC wireless adapters intro
- The installation & configuration methods of TP-LINK wireless adapters
- The advanced functions of TP-LINK wireless adapters
- Q/A about TP-LINK wireless adapters

#### **AP/RE**

- The user demands of AP/RE products
- The typical application scenarios of AP/RE products
- AP/RE products involved technologies including Wireless Distributed System, Smart DHCP and Domain Name Login etc.
- The configuration methods of TP-LINK AP/RE products
- The advanced functions of TP-LINK AP/RE products
- TP-LINK AP/RE products intro
- Q/A & Troubleshooting about TP-LINK AP/RE products

## PLC

- The user demands of PLC products
- The typical application scenarios of PLC products
- PLC products involved technologies including HomePlug AV1 and HomePlug AV2
- The configuration methods of TP-LINK PLC products
- The advanced functions of TP-LINK PLC products
- TP-LINK PLC products intro
- Q/A & Troubleshooting about TP-LINK PLC products

## xDSL

- The market demands and typical application scenarios of xDSL products
- xDSL involved technologies, standards and development history
- TP-LINK xDSL products intro
- Q&A and Troubleshooting about TP-LINK xDSL products

## 3G/LTE

- The market demands of 3G/4G products
- The typical application scenarios of 3G/4G products
- 3G/4G involved technologies and development history
- TP-LINK 3G/4G products intro
- How to configure and use TP-LINK 3G/4G products
- Different functions of TP-LINK 3G/4G products
- Q/A & Troubleshooting about TP-LINK 3G/4G products

## GPON

- The basic concepts and advantages of GPON
- GPON Network Architecture

- The technical features of GPON
- TP-LINK GPON products intro
- Q/A & Troubleshooting about TP-LINK GPON products

## **Cable**

- The basic concepts of cable access
- The related technologies and standards of cable access
- TP-LINK cable products intro
- The installation & configuration methods of TP-LINK cable products
- The outstanding function features of TP-LINK cable products
- Troubleshooting about TP-LINK cable products

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