



Customer Training Catalog Training Programs FBB



HUAWEI
HUAWEI Learning Service
2015

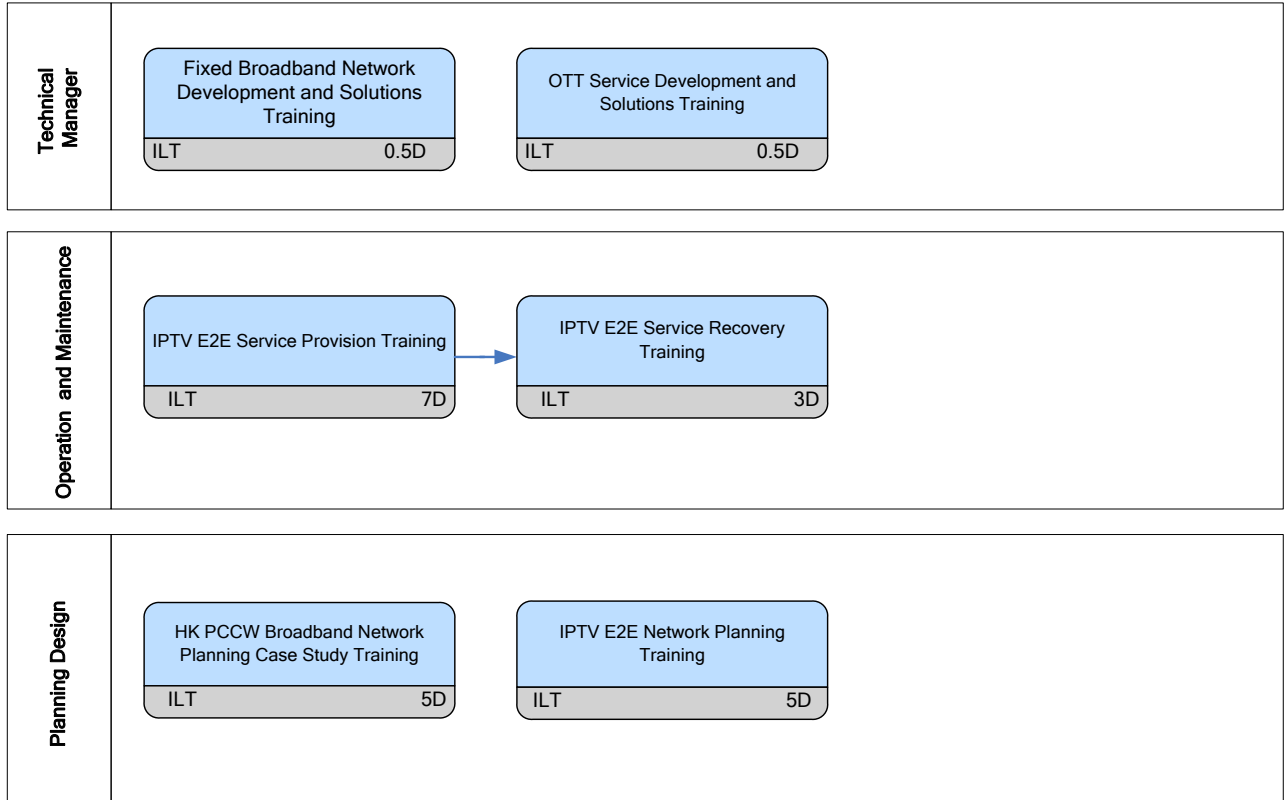


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1 Training Path

1.1 FBB Training Path



2 Training Programs

FBB Training Programs are designed as follows:

Training Programs	Level	Duration (working days)	Training Location	Class Size
FBB				
Fixed Broadband Network Development and Solutions Training	II	0.5		6 ~ 12
OTT Service Development and Solutions Training	II	0.5		6 ~ 12
HK PCCW Broadband Network Planning Case Study Training	III	5		6 ~ 12
IPTV E2E Network Planning Training	IV	5		6 ~ 12
IPTV E2E Service Provision Training	II	7		6 ~ 12
IPTV E2E Service Recovery Training	III	3		6 ~ 12

2.1 FBB Training Programs

2.1.1 Fixed Broadband Network Development and Solutions Training

Training Path

FBB Broadband Network Development and Solutions		
OBB01	Lecture	0.5d

Target Audience

FBB Technical Managers
FBB Business Managers
FBB Maintenance Engineers
FBB Planning Engineers

Prerequisites

- Familiar with basic knowledge about telecommunications and data communications

Objectives

On completion of this program, the participants will be able to:

- Describe FBB concepts
- Describe trend and driving forces of FBB
- Describe FBB digital home service development
- Describe FBB OTT service development
- Describe FBB service development
- Describe FBB Network
- Outline FBB solution

Duration

0.5 working day

Class Size

Min 6, Max 12

2.1.2 OTT Service Development and Solutions Training

Training Path

OTT Service Development and Solutions		
OBB02	Lecture	0.5d

Target Audience

FBB Technical Managers
FBB Business Managers
FBB Maintenance Engineers
FBB Planning Engineers

Prerequisites

Familiar with basic knowledge about telecommunications and data communications

Objectives

On completion of this program, the participants will be able to:

- Describe the trend and driving forces of OTT
- Describe the challenges what OTT bring
- Describe the OTT solution

Duration

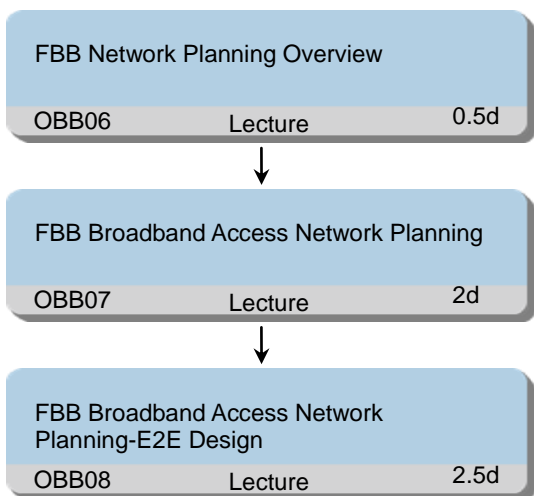
0.5 working day

Class Size

Min 6, Max 12

2.1.3 HK PCCW Broadband Network Planning Case Study Training

Training Path



Target Audience

FBB Planning Engineers and Experts
 FBB Technical Support Engineers and Experts
 FBB Technical Managers

Prerequisites

At least two years of experience in the operation and maintenance of Access network equipments
 Attended "FTTx GPON 2nd Line Maintenance Training" or having equivalent knowledge

Objectives

On completion of this program, the participants will

be able to:

- Describe current mainstream of FBB business
- Describe FBB development trend of future business
- Describe current network structure of Fixed network operators
- Describe considering factors in FBB network planning
- Describe various typical technologies of FBB broadband access network
- Design FBB xPON broadband access network
- Design FBB xDSL broadband access network
- Design FBB Home network broadband access network
- Calculate HSI/IPTV/VoIP service total bandwidth
- Complete FBB network end-to-end QoS design
- Complete FBB network end-to-end reliability design
- Complete FBB network end-to-end security design

Duration

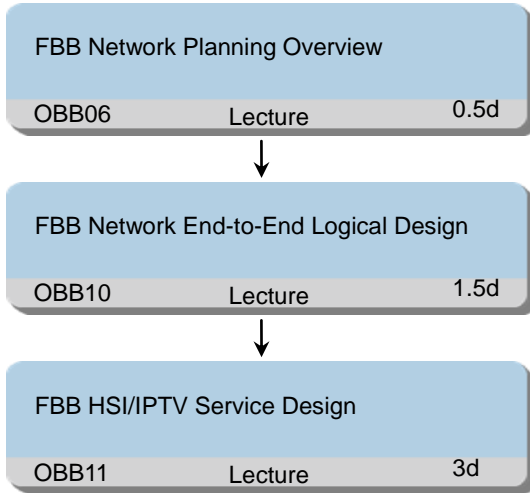
5 working days

Class Size

Min 6, Max 12

2.1.4 IPTV E2E Network Planning Training

Training Path



Target Audience

FBB Planning Engineers and Experts
FBB Technical Support Engineers and Experts
FBB Technical Managers

Prerequisites

At least two years of experience in the operation and maintenance of Access network or Datacom network equipments
Familiar with TCP/IP protocols and FTTx technologies
Attended "NE Series Routers 2nd Line Maintenance Training" or having equivalent knowledge
Attended "FTTx GPON 2nd Line Maintenance Training" or having equivalent knowledge

Objectives

On completion of this program, the participants will be able to:

- Describe current mainstream of FBB business
- Describe FBB development trend of future business
- Describe current network structure of Fixed network operators
- Describe considering factors in FBB network planning
- Calculate HSI/IPTV/VoIP service total bandwidth
- Complete FBB network end-to-end VLAN design
- Complete FBB network end-to-end IP address design
- Complete FBB network end-to-end QoS design
- Complete FBB network end-to-end reliability design
- Complete FBB network end-to-end security design
- Complete FBB network IGP routing design
- Complete FBB network BGP routing design
- Complete FBB MPLS network design
- Complete FBB network channel design(Home network/Access network/IP network)
- Describe IPTV central network architecture
- Complete FBB HSI service network planning
- Complete FBB IPTV service network planning

Duration

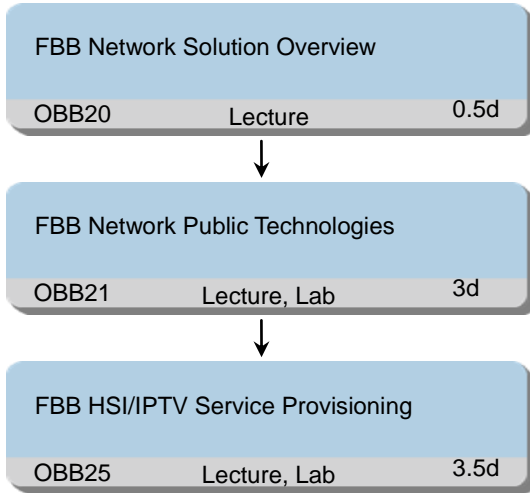
5 working days

Class Size

Min 6, Max 12

2.1.5 IPTV E2E Service Provision Training

Training Path



Target Audience

FBB Technical Support Engineers and Experts
 FBB Operation and Maintenance Engineers and Experts
 FBB Planning Engineers and Experts

Prerequisites

At least two years of experience in the operation and maintenance of Access network or Datacom network equipments
 Familiar with TCP/IP protocols and FTTx technologies
 Attended "NE Series Routers 2nd Line Maintenance Training" or having equivalent knowledge

Attended "FTTx GPON 2nd Line Maintenance Training" or having equivalent knowledge

Objectives

On completion of this program, the participants will be able to:

- Describe FBB Network Solutions
- Describe FBB Services
- Describe FBB Network Products
- Complete FBB bearer network service deployment and maintenance
- Complete FBB aggregation network service deployment and maintenance
- Complete FBB access network service deployment and maintenance
- Describe FBB HSI/IPTV service provisioning process
- Complete FBB HSI/IPTV end-to-end deployment and maintenance
- Complete FBB HSI/IPTV end-to-end operations and maintenance

Duration

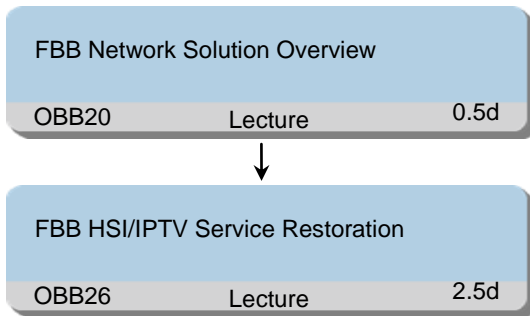
7 working days

Class Size

Min 6, Max 12

2.1.6 IPTV E2E Service Recovery Training

Training Path



Target Audience

FBB Technical Support Engineers and Experts
FBB Operation and Maintenance Engineers and Experts
FBB Planning Engineers and Experts

Prerequisites

At least two years of experience in the operation and maintenance of Access network or Datacom network equipments
Familiar with TCP/IP protocols and FTTx technologies

Attended "NE Series Routers 2nd Line Maintenance Training" or having equivalent knowledge

Attended "FTTx GPON 2nd Line Maintenance Training" or having equivalent knowledge

Objectives

On completion of this program, the participants will be able to:

- Describe FBB Network Solutions
- Describe FBB Services
- Describe FBB Network Products
- Complete FBB HSI/IPTV end-to-end operations, fault location and troubleshooting

Duration

3 working days

Class Size

Min 6, Max 12