Garnet
Garnet Global Training Center

GGT-TC-124

Telecommunications

Optical Transport Networks

شبكات النقل الضوئية

Duration	Language	Formats	Hours	Level
5 or 10 days	**English or Arabic**	**Classroom, online, in-house**	**35 / 70**	**Intermediate (practitioner)**

Overview

Participants in Optical Transport Networks practise the methods, tools and standards they need to perform reliably and solve problems on the job. Network, spectrum and service programs for operators and enterprise telecom teams. Choose 5 or 10 days, classroom or live online, English or Arabic; organisations can also run it in-house and adapt the examples to their own work.

What you will be able to do

- Apply the methods and standards of Optical Transport Networks to real tasks.
- Avoid the mistakes that most often cause rework or failure.
- Share good practice with your team.
- Use the right tools, checks and calculations step by step.
- Diagnose common problems and identify root causes.

Who should attend

Telecom engineers, network planners, operations and regulatory staff. Practitioners with one to five years of experience benefit most.

Key topics

- Network architecture
- Radio and spectrum
- Fibre and transmission
- Service assurance
- Regulation and licensing
- Emerging technologies

Formats and fees

5-day classroom	**USD 4,750**
5-day online	**USD 2,950**
10-day classroom	**USD 8,950**
10-day online	**USD 5,450**
In-house	**Quotation per group**

Fees per participant, excluding VAT.

Register or ask

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Email: info@garnettrainings.com

Training: training@garnettrainings.com

Web: garnettrainings.com

Sharjah Publishing City Free Zone, Sharjah, UAE

Certificate

Participants who attend at least 90% of sessions and complete the final assessment receive a certificate of completion stating 35 contact hours (5-day) or 70 contact hours (10-day).

5-day outline

Day 1 Optical Transport Networks: principles and standards

- Emerging technologies
- Hands-on workshop on a workplace challenge

Day 2 Methods and tools in practice

- Network architecture
- Radio and spectrum

Day 3 Diagnosis and problem solving

- Fibre and transmission
- Common mistakes and how to avoid them

Day 4 Quality, safety and documentation

- Service assurance
- Regional and international case studies

Day 5 Workshop, assessment and action plan

- Regulation and licensing
- Checklists and templates to take away

10-day outline

Day 1 Optical Transport Networks: principles and standards

- Emerging technologies
- Hands-on workshop on a workplace challenge

Day 2 Methods and tools in practice

- Network architecture
- Radio and spectrum

Day 3 Diagnosis and problem solving

- Fibre and transmission
- Common mistakes and how to avoid them

Day 4 Quality, safety and documentation

- Service assurance
- Regional and international case studies

Day 5 Workshop, assessment and action plan

- Regulation and licensing
- Checklists and templates to take away

Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Group discussion and peer review

Day 7 Digital tools, data and automation

- Analysis tools and software
- Using AI in this field

Day 8 Benchmarking against international practice

- Global performance benchmarks
- Measurement and reporting

Day 9 Capstone project

- Analyse a real challenge from your organisation
- Build the solution and implementation plan

Day 10 Presentations, final assessment and certificates

- Project presentations and review
- Final exam and certificate award

Schedule 2027–2030

Dates	Format	City	Language	Fee (USD)
4–15 Jan 2027	10-day classroom	Geneva	English	8,950
7–11 Feb 2027	5-day classroom	Doha	English	4,750
8–12 Mar 2027	5-day online	Live online	Arabic	2,950
14–18 Jun 2027	5-day classroom	Vienna	English	4,750
10–14 Jan 2028	5-day classroom	Dubai	Arabic	4,750
5–16 Mar 2028	10-day classroom	Kuwait City	English	8,950
5–16 Jun 2028	10-day online	Live online	English	5,450
10–14 Sep 2028	5-day classroom	Muscat	English	4,750
17–21 Sep 2029	5-day online	Live online	English	2,950

Dates	Format	City	Language	Fee (USD)
15–19 Oct 2029	5-day classroom	Barcelona	English	4,750
18–22 Nov 2029	5-day classroom	Riyadh	Arabic	4,750
2–13 Dec 2029	10-day classroom	Jeddah	English	8,950
21 Jan – 1 Feb 2030	10-day online	Live online	English	5,450
10–14 Jun 2030	5-day classroom	Amsterdam	English	4,750
16–27 Sep 2030	10-day classroom	Singapore	English	8,950
2–6 Dec 2030	5-day classroom	Dubai	English	4,750

Customised and in-house versions of this course are available on request. garnettrainings.com/en/customise/