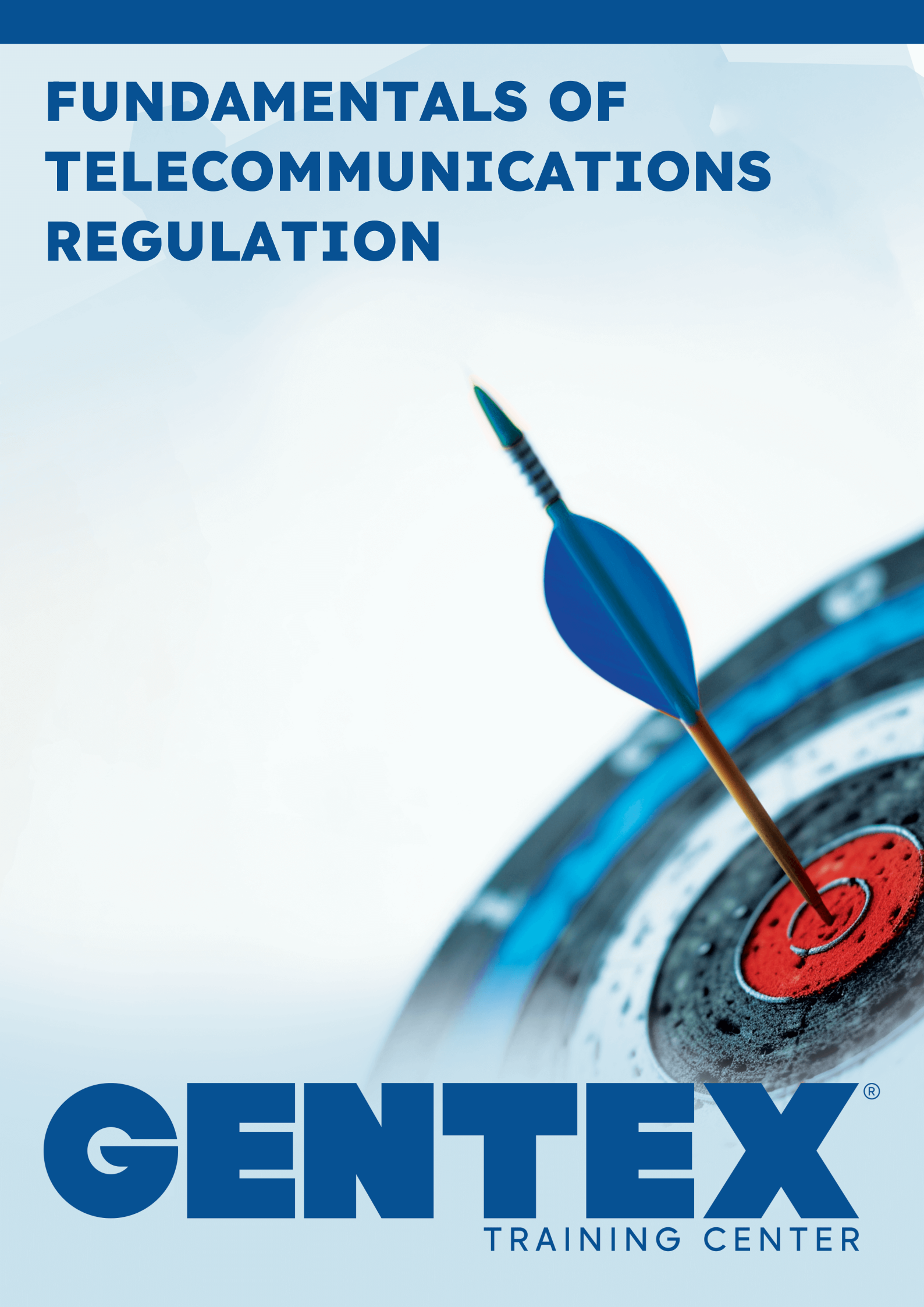
FUNDAMENTALS OF TELECOMMUNICATIONS REGULATION



GENTEX®
TRAINING CENTER

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Introduction

Fundamentals of Telecommunications Regulation Training Course builds a clear working understanding of how telecom markets are regulated and why. Participants work through the rationale for regulation, regulatory institutions and mandates, licensing and authorisation, spectrum and numbering basics, interconnection and access concepts, universal service, consumer protection, and enforcement as one connected framework. The programme links the rules regulators set with the market behaviour those rules aim to produce. As a result, learners gain a solid regulatory foundation. Furthermore, the course strengthens regulatory literacy, compliance awareness, and stakeholder communication.

Fundamentals of Telecommunications Regulation Course Objectives

- Explain why telecommunications markets need regulation.
- Describe regulatory objectives: competition, investment, access, and consumer benefit.
- Identify the main institutions and their mandates and powers.
- Apply the EU regulatory framework and ITU instruments at a foundational level.
- Describe licensing and general authorisation requirements.
- Explain spectrum management: allocation, assignment, and refarming.
- Explain numbering plans and number portability obligations.
- Describe interconnection, access, and wholesale pricing basics.
- Apply universal service and consumer protection requirements.
- Apply monitoring, enforcement, and dispute resolution basics.

Course Methodology

- Interactive sessions built on telecom regulatory case studies.

- Workshops on licensing, spectrum basics, and regulatory mapping.
- Group exercises on market structures, consumer issues, and compliance questions.
- Hands-on practice with regulatory summaries, licence conditions, and checklists.
- Simulation of a regulatory consultation and a consumer complaint case.
- Facilitator coaching and peer review on personal regulatory learning plans.

Who Should Take This Course

- New regulatory affairs and compliance staff in telecom.
- Telecom operators' commercial, legal, and operations staff.
- Government and ministry officials new to ICT policy.
- Consumer affairs and customer service professionals.
- Media, analysts, and researchers covering telecom markets.
- Consultants and suppliers working with regulated operators.

Fundamentals of Telecommunications Regulation Course Outlines

Day 1: Why Regulation Exists

- Market failure, natural monopoly, and network economics.
- Regulatory objectives: competition, investment, access, and quality.
- The shift from monopoly to competitive markets.
- Regulatory institutions and their mandates.
- Independence, accountability, and transparency expectations.
- Regulatory instruments: licences, rules, guidance, and decisions.
- Case discussion: a market opened without effective safeguards.

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Day 2: Legal Framework and Licensing

- The EU regulatory framework and ITU instruments overview.
- National law, regulations, and secondary legislation.
- General authorisation versus individual licences.
- Licence conditions, fees, duration, and renewal.
- Rights of way, infrastructure access, and co-location rules.
- Compliance obligations that follow from licensing.
- Workshop: reviewing licence conditions and obligations.

Day 3: Spectrum and Numbering Fundamentals

- What spectrum is and why it is managed.
- Allocation, assignment, and administrative versus market mechanisms.
- Spectrum fees, auctions, and licence terms.
- Refarming, sharing, and new band considerations.
- Numbering plans, number blocks, and number portability.
- Emergency services and number allocation duties.
- Exercise: mapping spectrum and numbering obligations.

Day 4: Interconnection, Access, and Consumers

- Interconnection obligation basics and reference offers.
- Wholesale access concepts and unbundling.
- Pricing principles: cost orientation and retail-minus basics.
- Roaming rules and international mobile roaming basics.
- Universal service obligations and funding mechanisms.

- Consumer protection: contracts, billing, quality, and complaints.
- Simulation: handling a consumer complaint case.

Day 5: Compliance, Enforcement, and Practice

- Monitoring, reporting, and information duties.
- Breach handling, penalties, and appeals overview.
- Dispute resolution between operators.
- Data privacy and network security obligations overview.
- Building a regulatory compliance checklist for a business unit.
- Regulatory change: how to track and respond.
- Capstone: presenting a regulatory fundamentals summary and compliance plan.

Conclusion

By successfully completing Fundamentals of Telecommunications Regulation, participants will gain a practical command of why and how telecom markets are regulated, the institutions involved, licensing and spectrum basics, interconnection and access concepts, universal service, consumer protection, and enforcement practice. They will acquire skills in regulatory literacy, licence and obligation mapping, compliance checklist building, and regulatory change tracking. Gentex Training Center designs the programme to help professionals work confidently within telecom regulation.

FAQs

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Q1 What is the "Fundamentals of Telecommunications Regulation" course about?

It builds a clear working understanding of how telecom markets are regulated and why. The course spans why regulation exists, the legal framework and licensing, spectrum and numbering fundamentals, interconnection, access and consumers, and compliance, enforcement and practice.

Q2 What are the key benefits of the "Fundamentals of Telecommunications Regulation" course?

You gain a solid regulatory foundation that connects the rules regulators set with the market behaviour they aim to produce. The course improves regulatory literacy and terminology, strengthens licensing and obligation understanding, sharpens consumer protection awareness, and gives you compliance checklist and change tracking habits.

Q3 What skills will I gain from the "Fundamentals of Telecommunications Regulation" course?

You will develop four core skills: applying telecom regulatory framework fundamentals, licensing and authorisation obligation mapping, spectrum, numbering and interconnection concept application, and compliance checklist building with consumer protection and enforcement awareness.

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Q4 What tools, methods, or standards are covered in the "Fundamentals of Telecommunications Regulation" course?

The course covers market failure, natural monopoly and network economics concepts, regulatory objectives for competition, investment, access and quality, the shift from monopoly to competitive markets, regulatory institutions and their mandates, independence and accountability and transparency expectations, regulatory instruments including licences, rules, guidance and decisions, the EU regulatory framework and ITU instruments, national law and regulations and secondary legislation, general authorisation versus individual licences, licence conditions and fees and duration and renewal, rights of way and infrastructure access and co-location rules, spectrum allocation, assignment and administrative versus market mechanisms, spectrum fees and auctions and licence terms, refarming and sharing and new band considerations, numbering plans and number blocks and number portability, emergency services and number allocation duties, interconnection obligation basics and reference offers, wholesale access and unbundling concepts, pricing principles of cost orientation and retail-minus, roaming rules and international mobile roaming, universal service obligations and funding mechanisms, consumer protection for contracts, billing, quality and complaints, monitoring and reporting and information duties, breach handling and penalties and appeals, dispute resolution between operators, data privacy and network security obligations, and regulatory change tracking and response.

Q5 How is the "Fundamentals of Telecommunications Regulation" course applied in real-world practice?

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Participants apply it to real work such as reviewing licence conditions and obligations, mapping spectrum and numbering duties to a business unit, answering a consumer complaint within regulatory rules, building a regulatory compliance checklist, and tracking a regulatory change that affects operations. The same methods support responses to regulatory consultations and stakeholder briefings.