

COMPREHENSIVE COURSE IN REGULATION IN THE TELECOMMUNICATIONS SECTOR



GENTEX[®]
TRAINING CENTER



Introduction

Comprehensive Course in Regulation in the Telecommunications Sector Training Course builds a full working command of the rules that govern telecom markets and the institutions that enforce them. Participants work through regulatory objectives and institutions, market definition and SMP analysis, licensing and authorisation, spectrum and numbering management, interconnection and access pricing, universal service, consumer protection, and enforcement as one connected system. The programme links regulatory theory with the market outcomes regulators and operators must deliver. As a result, learners gain a practical grounding in telecom regulation. Furthermore, the course strengthens market analysis, remedy design, and compliance practice.

Comprehensive Course in Regulation in the Telecommunications Sector Course Objectives

- Explain the objectives, principles, and institutions of telecom regulation.
- Apply the EU regulatory framework and ITU instruments to national markets.
- Define relevant markets and apply the three-criteria test.
- Assess significant market power (SMP) and design proportionate remedies.
- Design licensing, authorisation, and spectrum assignment processes.
- Apply interconnection and access obligations and wholesale pricing principles.
- Apply cost modelling: LRIC, LRAIC, and retail-minus approaches.
- Apply numbering, number portability, and universal service obligations.
- Apply consumer protection, quality of service, and privacy requirements.
- Apply monitoring, enforcement, dispute resolution, and compliance reporting.

Course Methodology

- Interactive sessions built on telecom regulatory case studies.

LEARN BOLD. LEAD BEYOND

GENTEX Training Center LLC | Orlando - FL, USA
Info@gentextraining.com



- Workshops on market definition, SMP analysis, and remedy design.
- Group exercises on licensing, spectrum assignment, and pricing models.
- Hands-on practice with regulatory impact assessments and compliance checklists.
- Simulation of a public consultation and a regulatory hearing.
- Facilitator coaching and peer review on personal compliance plans.

Who Should Take This Course

- Regulatory affairs and compliance professionals in telecom operators.
- National regulatory authority (NRA) staff and policy analysts.
- Legal advisors specialising in telecommunications.
- Government and ministry officials covering ICT policy.
- Competition authority staff working on telecom cases.
- Consultants advising on regulatory strategy and market entry.

Comprehensive Course in Regulation in the Telecommunications Sector Course Outlines

Day 1: Regulatory Foundations and Institutions

- Rationale for regulation: market failure, monopoly legacy, public interest.
- Regulatory objectives: competition, investment, access, and consumer benefit.
- The EU regulatory framework and ITU instruments.
- Institutional design: NRA independence, mandate, and accountability.
- Ex-ante regulation versus ex-post competition law.
- Regulatory impact assessment (RIA) and better regulation principles.
- Case discussion: a regulatory decision that harmed investment.





Day 2: Market Definition and SMP Analysis

- The three-criteria test and the market review cycle.
- Market definition using demand and supply substitution.
- The recommended markets list and market analysis.
- Significant market power (SMP) criteria and assessment.
- Designing proportionate remedies: access, transparency, non-discrimination.
- Price control remedies: cost orientation and retail-minus.
- Workshop: conducting an SMP analysis and drafting remedies.

Day 3: Licensing, Spectrum, and Numbering

- General authorisation versus individual licences.
- Licence conditions, fees, duration, and renewal.
- Spectrum management: allocation, assignment, and refarming.
- Auctions, beauty contests, and administrative assignment compared.
- Spectrum trading, sharing, and 5G band considerations.
- Numbering plans, number portability, and number allocation.
- Exercise: designing a spectrum assignment process.

Day 4: Interconnection, Access, and Consumer Protection

- Interconnection obligations and reference interconnection offers.
- Wholesale access products and bitstream and unbundling models.
- Cost modelling: LRIC, LRAIC, and bottom-up modelling.
- Roaming regulation and international mobile roaming rules.

LEARN BOLD. LEAD BEYOND

GENTEX Training Center LLC | Orlando - FL, USA
Info@gentextraining.com



- Universal service obligations and funding mechanisms.
- Consumer protection: contracts, transparency, quality of service.
- Simulation: resolving an interconnection dispute.

Day 5: Enforcement, Compliance, and Reporting

- Monitoring, data collection, and regulatory reporting duties.
- Investigations, information requests, and audit powers.
- Breach procedures, penalties, and appeals.
- Dispute resolution between operators.
- Data privacy and cybersecurity obligations for telecom networks.
- Building a compliance programme and regulatory risk register.
- Capstone: presenting a regulatory compliance and strategy plan.

Conclusion

By successfully completing Comprehensive Course in Regulation in the Telecommunications Sector, participants will gain a practical command of telecom regulatory frameworks, market definition and SMP analysis, licensing and spectrum management, interconnection and access pricing, consumer protection, and enforcement practice. They will acquire skills in regulatory analysis, remedy design, spectrum and licensing decisions, and compliance reporting that support sound market outcomes. Gentex Training Center designs the programme to help professionals work confidently within telecom regulation.

FAQs





Q1 What is the "Comprehensive Course in Regulation in the Telecommunications Sector" course about?

It builds a full working command of the rules that govern telecom markets and the institutions that enforce them. The course spans regulatory foundations and institutions, market definition and SMP analysis, licensing, spectrum and numbering, interconnection, access and consumer protection, and enforcement, compliance and reporting.

Q2 What are the key benefits of the "Comprehensive Course in Regulation in the Telecommunications Sector" course?

You gain a practical grounding in telecom regulation that connects rules to market outcomes. The course improves market analysis and remedy judgement, strengthens licensing and spectrum decisions, sharpens interconnection pricing understanding, and gives you compliance programme and reporting discipline that withstands scrutiny.

Q3 What skills will I gain from the "Comprehensive Course in Regulation in the Telecommunications Sector" course?

You will develop four core skills: applying telecom regulatory frameworks and impact assessment, market definition and SMP analysis with remedy design, licensing, spectrum and interconnection pricing analysis, and compliance programme building with enforcement and regulatory reporting.



Q4 What tools, methods, or standards are covered in the "Comprehensive Course in Regulation in the Telecommunications Sector" course?

The course covers the EU regulatory framework and ITU instruments, regulatory objectives and institutional design for NRA independence and accountability, ex-ante regulation and ex-post competition law, regulatory impact assessment (RIA), the three-criteria test and market review cycle, market definition using demand and supply substitution, the recommended markets list, significant market power (SMP) assessment, proportionate remedies for access, transparency and non-discrimination, price control with cost orientation and retail-minus, general authorisation versus individual licences, licence conditions and fees and duration and renewal, spectrum allocation, assignment and refarming, auctions, beauty contests and administrative assignment, spectrum trading and sharing and 5G band considerations, numbering plans and number portability, interconnection obligations and reference interconnection offers, wholesale access and bitstream and unbundling models, cost modelling with LRIC, LRAIC and bottom-up modelling, roaming regulation, universal service obligations and funding mechanisms, consumer protection for contracts, transparency and quality of service, monitoring and data collection and regulatory reporting, investigations and information requests and audit powers, breach procedures and penalties and appeals, dispute resolution, data privacy and cybersecurity obligations, and compliance programmes and regulatory risk registers.



Q5 How is the "Comprehensive Course in Regulation in the Telecommunications Sector" course applied in real-world practice?

Participants apply it to real work such as conducting a market review with SMP analysis, drafting proportionate remedies for a wholesale market, designing a spectrum assignment process, assessing a licence application, resolving an interconnection dispute, and building a regulatory risk register for an operator. The same methods support public consultation responses and regulatory impact assessments.