

**Day 1: Introduction to API 5CT Standards** 1.1. Overview of API 5CT 1.2. History and Development of API 5CT 1.3. Importance of API 5CT in the Oil and Gas Industry 1.4. Key Terminologies and Definitions 1.5. API 5CT Documentation and Certification

**Day 2: Tubular Goods and Material Requirements** 2.1. Types of Tubular Goods Covered by API 5CT 2.2. Material Selection and Properties 2.3. Heat Treatment Processes 2.4. Inspection and Testing of Materials 2.5. Compliance with API 5CT Material Standards

**Day 3: API 5CT Tubing and Casing Specifications** 3.1. Tubing and Casing Overview 3.2. API 5CT Tubing Specifications 3.3. API 5CT Casing Specifications 3.4. Connection Types and Threads 3.5. Practical Considerations for Tubing and Casing

**Day 4: API 5CT Inspection and Quality Control** 4.1. Inspection Procedures and Guidelines 4.2. Quality Control in Manufacturing 4.3. Non-Destructive Testing (NDT) 4.4. API 5CT Thread Inspection 4.5. Hands-On Inspection Exercises

**Day 5: Compliance, Certification, and Future Trends** 5.1. API 5CT Compliance and Auditing 5.2. Certification Processes and Requirements 5.3. Emerging Trends in Tubular Goods 5.4. Course Recap, Q&A Session, and Next Steps 5.5. Industry Challenges and Future Directions