



CompEx Certification Success Checklist

**YOUR COMPLETE PREPARATION GUIDE FOR
SAUDI ARABIA**



☑ BEFORE TRAINING BEGINS

Pre-Course Preparation (2-3 Weeks Before)

- ☐ Review basic electrical engineering principles and terminology
- ☐ Familiarize yourself with ATEX and IECEx directive fundamentals
- ☐ Read introduction materials on explosive atmosphere classifications
- ☐ Understand Zone 0, 1, 2 (Gas) and Zone 20, 21, 22 (Dust) concepts
- ☐ Study temperature classification system (T1-T6)
- ☐ Research gas groups (IIA, IIB, IIC) and their significance
- ☐ Download and review IEC 60079 series standards overview
- ☐ Prepare questions about your specific work environment

Documentation & Registration (1 Week Before)

- ☐ Confirm your training dates and venue location
- ☐ Complete all enrollment forms and registration requirements
- ☐ Submit copies of educational certificates and ID documents
- ☐ Arrange accommodation if traveling to training center
- ☐ Inform your employer and arrange time off work
- ☐ Pay course fees and confirm payment receipt
- ☐ Receive pre-course materials from training provider
- ☐ Set up study schedule for pre-reading assignments

📌 SAUDI-SPECIFIC REGULATORY REQUIREMENTS

Standards & Compliance Knowledge

- ☐ Understand Saudi Aramco Engineering Standards (SAES) requirements
- ☐ Review SABIC safety specifications for hazardous areas
- ☐ Familiarize with SASO (Saudi Standards Organization) regulations
- ☐ Study Kingdom of Saudi Arabia electrical code requirements
- ☐ Learn about local inspection and certification procedures
- ☐ Understand Saudi Aramco approved equipment lists
- ☐ Review typical Saudi project specifications (LSTK, EPC contracts)
- ☐ Know major Saudi industrial zones: Jubail, Yanbu, Ras Tanura

Industry Context

- ☐ Research Saudi Arabia's oil & gas sector structure
- ☐ Understand petrochemical industry hazardous area applications
- ☐ Study common equipment used in Saudi refineries
- ☐ Learn about offshore platform requirements in Arabian Gulf
- ☐ Familiarize with Saudi climate considerations for equipment
- ☐ Review Saudi employment regulations for certified personnel
- ☐ Understand visa and work permit requirements for expats
- ☐ Research salary expectations for CompEx-certified professionals in KSA

☑ EQUIPMENT FAMILIARIZATION RESOURCES

Protection Concepts & Methods

- ☐ Study Flameproof (Ex d) enclosure principles and applications
- ☐ Learn Increased Safety (Ex e) equipment characteristics
- ☐ Understand Intrinsic Safety (Ex ia/ib) system design
- ☐ Review Pressurization/Purging (Ex p) techniques
- ☐ Study Encapsulation (Ex m) method fundamentals
- ☐ Learn Oil Immersion (Ex o) protection principles
- ☐ Understand Powder Filling (Ex q) applications
- ☐ Review Type 'n' (Ex n) protection for Zone 2 areas

Practical Equipment Knowledge

- ☐ Identify common hazardous area equipment markings
- ☐ Practice reading equipment nameplates and certificates
- ☐ Study cable gland selection and installation procedures
- ☐ Learn junction box inspection techniques
- ☐ Understand motor and lighting fixture selection criteria
- ☐ Review control panel and instrumentation requirements
- ☐ Study portable equipment and hand tools specifications
- ☐ Practice fault-finding in hazardous area installations

📌 EXAMINATION TIPS & STRATEGIES

Theory Exam Preparation

- ☐ Review all training module handouts and presentations
- ☐ Create summary notes for each major topic area
- ☐ Practice answering multiple-choice questions from samples
- ☐ Memorize key temperature classes and gas group classifications
- ☐ Understand area classification drawing interpretation
- ☐ Study equipment selection decision trees and flowcharts
- ☐ Review calculation methods for zone extent determination
- ☐ Take practice tests under timed conditions

Sample Question Topics to Master

- ☐ Area classification principles and zone definitions
- ☐ Equipment protection types and appropriate applications
- ☐ Installation requirements and good practices
- ☐ Inspection procedures and documentation requirements
- ☐ Maintenance activities in hazardous areas
- ☐ Fault analysis and troubleshooting scenarios
- ☐ Standards interpretation (IEC 60079, ATEX, IECEx)
- ☐ Certificate and documentation verification

Practical Assessment Preparation

- ☐ Practice hands-on equipment inspection procedures
- ☐ Learn to identify installation defects and non-conformities
- ☐ Study proper documentation and reporting methods
- ☐ Understand safe isolation and permit-to-work procedures
- ☐ Practice using inspection tools and measurement equipment
- ☐ Review real-world case studies and incident investigations
- ☐ Prepare for scenario-based practical exercises
- ☐ Build confidence in explaining technical decisions verbally

📌 CAREER DEVELOPMENT STRATEGIES

Immediate Post-Certification Actions

- ☐ Update CV/resume with CompEx certification details
- ☐ Add certification to LinkedIn profile and professional networks
- ☐ Register certificate with relevant Saudi industry databases
- ☐ Inform current employer of new qualification
- ☐ Request certificate verification letter from training provider
- ☐ Join CompEx professional groups and forums
- ☐ Network with other certified professionals in Saudi Arabia
- ☐ Research job opportunities requiring CompEx certification

Building Your Saudi Career Path

- ☐ Target positions with Saudi Aramco, SABIC, Ma'aden, SATORP
- ☐ Apply to major EPC contractors: Saipem, Petrofac, Tecnicas Reunidas
- ☐ Consider specialized roles: QA/QC Inspector, Project Engineer, Safety Officer
- ☐ Pursue additional certifications: IECEx, NEBOSH, IOSH
- ☐ Gain experience across different Saudi industrial sectors
- ☐ Develop expertise in specific protection methods
- ☐ Plan for CompEx refresher training before certificate expiry
- ☐ Set salary negotiation targets based on market research

Continuing Professional Development

- ☐ Schedule refresher training 6 months before expiry (3-year validity)
- ☐ Stay updated on latest IEC 60079 standard revisions
- ☐ Attend industry conferences and technical seminars in KSA
- ☐ Read technical journals and hazardous area publications
- ☐ Participate in company training and knowledge-sharing sessions
- ☐ Mentor junior engineers pursuing CompEx certification
- ☐ Document your hazardous area project experience
- ☐ Build a portfolio of installation and inspection work



👉 **MODULE-SPECIFIC PREPARATION**

CompEx Foundation (ExF)

- ☐ Understand basic explosion science and ignition sources
- ☐ Learn area classification fundamentals (zones vs divisions)
- ☐ Study equipment group and temperature class systems
- ☐ Review explosion protection concept overview
- ☐ Practice interpreting equipment marking codes

CompEx Ex01 - Core Units

- ☐ Master detailed area classification methodology
- ☐ Study flammable gas and vapor properties
- ☐ Learn explosion risk assessment techniques
- ☐ Understand documentation requirements
- ☐ Review Saudi-specific classification examples

CompEx Ex02 - Intrinsic Safety

- ☐ Study IS system design principles and calculations
- ☐ Learn entity and FISCO concepts
- ☐ Understand barrier and isolator applications
- ☐ Practice IS circuit analysis and verification
- ☐ Review installation and inspection procedures

👉 **MODULE-SPECIFIC PREPARATION**

CompEx Ex03 - Installation & Maintenance

- ☐ Master installation good practices and techniques
- ☐ Learn maintenance procedures in hazardous areas
- ☐ Study permit-to-work and hot work procedures
- ☐ Understand inspection and testing requirements
- ☐ Practice fault-finding and repair protocols

CompEx Ex04 - Repair & Overhaul

- ☐ Study equipment refurbishment procedures
- ☐ Learn component replacement requirements
- ☐ Understand re-certification processes
- ☐ Review quality assurance documentation
- ☐ Practice workshop repair techniques

CompEx Ex05-Ex06 - Combustible Dust

- ☐ Study dust explosion characteristics and risks
- ☐ Learn dust zone classification principles
- ☐ Understand equipment protection for dust atmospheres
- ☐ Review ignition source control in dust areas
- ☐ Study housekeeping and maintenance for dust safety

☑ TRAINING DAY ESSENTIALS

What to Bring

- ☐ Valid photo identification (passport/national ID)
- ☐ Notebook and pens for taking notes
- ☐ Scientific calculator for technical calculations
- ☐ Pre-course reading materials and handouts
- ☐ Comfortable clothing suitable for practical sessions
- ☐ Safety shoes (if practical exercises require them)
- ☐ Laptop/tablet for digital note-taking (optional)
- ☐ Water bottle and light snacks

Success Mindset

- ☐ Arrive 15 minutes early each day
- ☐ Actively participate in discussions and ask questions
- ☐ Complete all practical exercises thoroughly
- ☐ Review each day's material in the evening
- ☐ Form study groups with fellow candidates
- ☐ Focus on understanding concepts, not just memorization
- ☐ Stay confident and manage examination stress
- ☐ Sleep well and eat properly during training week

✔ POST-CERTIFICATION CHECKLIST

Certificate Management

- ☐ Receive and verify your CompEx certificate details
- ☐ Make multiple certified copies for job applications
- ☐ Store original certificate safely and securely
- ☐ Upload digital copy to cloud storage backup
- ☐ Record certificate number and expiry date
- ☐ Set calendar reminder for renewal 6 months before expiry
- ☐ Obtain employer letter acknowledging certification
- ☐ Request LinkedIn recommendation from trainer

Applying Your Knowledge

- ☐ Implement learnings in your current work projects
- ☐ Conduct hazardous area audits using new knowledge
- ☐ Share expertise with colleagues and team members
- ☐ Volunteer for hazardous area assignments
- ☐ Document your practical experience for future reference
- ☐ Build case studies from your project work
- ☐ Contribute to company safety improvements
- ☐ Establish yourself as the go-to expert in your organization

QUICK REFERENCE: KEY FACTS

Zone Classifications

- **Zone 0:** Continuously present (>1000 hrs/year)
- **Zone 1:** Likely to occur in normal operation (10-1000 hrs/year)
- **Zone 2:** Not likely, only under abnormal conditions (<10 hrs/year)

Temperature Classes

- **T1:** 450°C | **T2:** 300°C | **T3:** 200°C
- **T4:** 135°C | **T5:** 100°C | **T6:** 85°C

Gas Groups

- **IIA:** Propane (most common gases)
- **IIB:** Ethylene (medium risk)
- **IIC:** Hydrogen, Acetylene (highest risk)

Common Saudi Applications

- Oil refineries: Zones 1 & 2, Group IIA, T3-T4
- Gas processing: Zones 0, 1 & 2, Group IIA-IIB
- Petrochemical: Zones 1 & 2, Group IIB-IIC
- Offshore platforms: Zone 1 & 2, Marine certified



EMERGENCY CONTACTS & RESOURCES

Training Support

- Training Center Hotline: +966 50 168 5338
- Technical Support Email: contact@kingismengroup.me
- Certificate Verification: +966 50 168 5338

Official Resources

- CompEx International: www.compexcertification.com
- IECEx System: www.iecex.com
- IEC Standards Store: www.iec.ch
- SASO Regulations: www.saso.gov.sa



Remember: CompEx certification is your gateway to high-value career opportunities in Saudi Arabia's thriving oil, gas, and petrochemical industries. Thousands of professionals have successfully completed this journey, and you can too!

Your investment in CompEx training will:

- ✓ Increase your earning potential by 20-30%
- ✓ Open doors to Saudi Aramco and major projects
- ✓ Establish you as a safety-conscious professional
- ✓ Provide internationally recognized credentials
- ✓ Enhance your technical competence and confidence

Stay focused, prepare thoroughly, and success will follow!

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