



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, SATOP
- 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@kingsmengroup.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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