

# HAZARDOUS AREAS 2-DAY COMP'EX' REFRESHER COURSE

Course Code : CP 2004



Course Length (Days)	Taught Hours	Practical Content (%)	Theoretical Content (%)
2	10 + Assessment time	0	100

## TARGET AUDIENCE

Personnel who hold a current CompEx Certificate of Core Competence in modules Ex01, Ex02, Ex03 and Ex04. The validity of CompEx certificates is five years and this refresher course must be taken within 5 years of the original award.

The course is intended to refresh and update the knowledge and skills of qualified Electrical & Instrumentation Personnel working with electrical equipment for hazardous areas. This course will include training and assessment. Upon satisfactory completion, candidate will be awarded with CompEx Certificate of Core Competency.

## COURSE OBJECTIVES

This course gives an update to the latest standards and practices for those who hold a CompEx Certificate and, on successful completion of the various assessments, a new 5-year Certificate will follow from the awarding body.

Competency assessment will be provided in the form of projects, reports and multi-matrix questions to cover updates in installation practices and inspections for power and intrinsically safe equipment. Compliance with the latest editions of IEC 60079 for electrical equipment in explosives atmospheres is an essential element of the course.

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## COURSE CONTENT

- Review of area classification and the nature of flammable materials including ignition temperature, gas/equipment grouping, temperature classification, ambient temperature ratings, equipment protection levels; and ingress protection
- Updates in Standards, Certification and marking
- Types of protection Ex d, Ex e, Ex n, Ex p, Ex i; and hybrids
- Selection of installation of cables, glands and accessories to IEC60079-14
- Inspection of equipment to IEC60079-17 – visual, close, and detailed grades of inspection, for initial, periodic, and sample inspections
- Appropriate rectification of faults during maintenance programs

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### DELIVERY

Teaching aids & equipment, slides, videos. Competency assessment by inspection projects, maintenance reports and multi-matrix questions.

### CERTIFICATION

'CompEx' – Certificate of Competence for successful eligible candidates.

**Minimum Number of Delegates Required Per Course**  
8

### Times of Training

08:00 to 17:00

### Venue

No. 3, Buroh Street, Singapore 627566

### Entry Requirements

Delegates must hold a valid CompEx certificate of competency.

(It is advisable to attend the Refresher course at least 3 months before the certificate expiry date)

### Dates And Prices

Please check with course administrator