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## Instructor Application Guide

### Detection And Control of Flammable Substance

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#### Pre-requisites

The following pre-requisites are the minimum required to be granted entry into the Energy Safety Canada Detection and Control of Flammable Substance (DCFS) instructor training program:

1. A *minimum* of three (3) years of field-based “hands on” work experience in the Detection and Control of Flammable Substances, directly related to the oil and gas industry (drilling, well-servicing, field production, plant processing, and transportation) within the last ten (10) years, and experience in gas monitoring in flammable environments.

**Related experience includes:**

- Petroleum refining operations
  - Pulp/paper manufacturing/processing
  - Civil water/sewage treatment
  - Agriculture processes (waste, fertilizer manufacturing processing)
  - Chemical - plant processing, handling, transportation, monitoring
  - Civil construction - Confined space entry, monitoring, rescue, oxygen deficient atmospheres
  - Mining, resource extraction and/or processing
  - Emergency Response - firefighter, oil & gas safety/emergency response personnel
2. A good working knowledge of gas detection and monitoring equipment including both personal and fixed stations with experience based on weekly use of each type.
  3. Successful completion of the Energy Safety Canada Detection & Control of Flammable Substances course with a mark of at least ninety percent (90%) within the last six months.
  4. Current and valid H<sub>2</sub>S Alive<sup>®</sup> certificate.
  5. Current and valid Standard First Aid certificate, including CPR certification (or equivalent).
  6. Current and valid WHMIS certificate.



## Pre-entry Examination

The following is a general guide, but is not limited to, what the candidate will be expected to explain, describe or demonstrate. A mark of 90% is required to pass the skills evaluation.

- Flammable Substances
- Principles of Flammable Gas/Vapour Detection
- Care and Preparation of Combustible Gas Monitor
- Sampling Strategies and Interpretation of Readings
- Control Methods for High Combustible Gas Readings

## Required References

- Manufacturer equipment training for gas monitor equipment from the approved list:  
<http://hautraining.litmos.com/online-courses>
  - Please note - Gas Detection Technology & Sensor Theory course is very useful. Also, please complete all courses appropriate to the gas monitors you use.

## Maintenance of certification:

1. Instruct the minimum number of required courses.
2. Maintain and furnish Energy Safety Canada with copies of required certifications.
3. Access and use the Energy Safety Canada instructor portal to:
  - maintain instructor profile information
  - review and acknowledge all required program standards and information bulletins
  - review and sign required codes of ethics and instructor agreements