

### **Introduction**

This Code of Practice for Fire Safety for Open Plant Processing Facilities in Oil, Chemical and Process Industries is a Singapore Standard that provides fire safety guidelines, requirements and design for building open process structures and facilities. This standard also provides guidance for open plant structure installation and is applicable to new project and modification to existing facilities.

The purpose of this standard is to provide a conceptual and experience-based fire safety requirements and design for building Open Plant Processing Facilities in the oil, chemical and process industries.

In preparing this standard, reference was made to “Fire Safety Guidelines for Open Plant Structures in Oil, Chemical and Process Industries” published jointly by SCIC, Singapore Civil Defence Force, the Oil and Petrochemical Industries Technical and Safety Committee (OPITSC).

### **Objectives**

- To provide a standard on fire safety requirements and design for building open plant processing facilities in the oil, chemical and process industries
- To support fire safety measures in oil, chemical and process industries so as to ensure a safe work place in Singapore
- To provide plant developers and Qualified Persons (QPs) a clearer scope of work, thus optimising effort in the design and construction of the process structures and facilities
- To address challenges in complying with the recommended separation distances between structures in the existing guidelines, due to land constraints faced by companies

### **Scope**

The key areas of the standard cover following fire risk mitigation aspects of process industries, such as: Layout and Spacing, Drainage, Emergency Isolation, depressurisation and deinventory, Means of Escape, Passive Fire Protection, Active Fire Protection, and Emergency Response.

This standard is applicable to open plant processing facilities in oil, chemical and process industries, including energy and utilities facilities.

**To obtain further details on SS 634 launch presentations, go to following link:**

<https://www.scic.sg/sdoscic/index.php/events-a-activities/events-sdo/event/329-launch-of-new-ss-634-2018-fire-safety-on-open-plant-processing-facilities-in-oil-chemical-and-process-industries-presentation-slides-uploaded>

Full copy of SS 634:2018 can be purchased at [www.singaporestandardseshop.sg](http://www.singaporestandardseshop.sg)

**Process Safety is Everybody’s Responsibility!**

An initiative of the Process & Engineering Committee

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