

**Day 1- 05/12/2022 - Afternoon 2pm – Classroom – Hotel Rouen**

Introduction to foam

Applications

- Industry
- Aviation
- Others

How it works

A brief history of development to current situation

Risk based Fire Hazard Management approach overview

Foam system design outline

Application rates

Standards – and updates due to Fluorine Free Foam



**Day 2 – 06/12/2022 – Full Day – Classroom – Hotel Rouen**

Foam fire performance specification and assurance

Ongoing foam assurance

Group classroom exercises

Foam performance standards

Video demonstrations of different types

Current levels of fire performance research



**Day 3 – 07/12/2022 – Full day – Classroom and laboratory - Vernon**

How to use foam

Preplanning for foam applications

Spill fire examples

Storage tank Examples

Aviation related preplanning

Case histories

Multi-tank incidents

Response options

Group Classroom Exercise

Developing response strategies

- Fixed systems
- Mobile attack etc

Laboratory demonstration: European standard EN 1568: 2018 determination of expansion and drainage time, performance fire tests on water miscible and immiscible solvents.



**Day 4- 08/12/2022 – Full day – Testing and Training Site – Vernon**

Fuel characteristics demonstrations

Flash point, volatility etc..

Foam on alcohols/hydrocarbons

Vapour control with foam

Demonstration of foam types and application equipment

Low, medium, high expansion foams

Proportioning – matching and mismatching

Collecting and measuring foam properties

Training exercises

Spill fire – 10m x 10m

Tank/bund fire

Truck loading rack fire

*Those who have chosen the training option will take part in all exercises.*

*Those who have not will spectate at safe distances,*



**Day 5 – 09/12/2022 – Morning – Classroom – Hotel Rouen**

Transition issues – the pragmatic approach

Issues other than fire performance

Process and protocols

Case histories

Dealing with legacy issues