



# standard training courses

Bespoke training courses can be organised upon request,  
on your site or at Cedre,  
in French, English or Spanish.

## AERIAL OBSERVATION OF POLLUTION AT SEA

### AIMS

This course aims to provide practical and operational knowledge of aerial observation of oil pollution at sea. In the event of deliberate discharges or spills of oil at sea, this technique quickly provides initial information on the extent of the pollution. However, experience of past incidents has shown that the observations made can be wrongly interpreted.

This course draws upon the Bonn Agreement Oil Appearance Code designed to describe oil slicks and shares the experience acquired in the field of offshore pollution observation, both in France and abroad.

A large proportion of this course is devoted to the surveillance of operational discharge at sea: observation and detection techniques, pollution reports, photography and the legal framework.

Upon course completion, the observers will be able to organise an overflight, efficiently observe and describe pollution, prepare a relevant survey report for the operational managers in charge of assessing the pollution and selecting response strategies. They will also be able to draw up a pollution report.

### OUTLINE

The course draws upon the operational guide entitled "Aerial Observation of Oil Pollution at Sea" published by Cedre and each participant is given a copy of this document. The course addresses the following topics:

- Types of oil and their evolution at sea
- The Bonn Agreement Oil Appearance Code and quantity estimations
- Spill observation, description and quantification
- Natural phenomena mistaken for pollution
- Remote sensing
- Legal aspects
- Oil management on board merchant ships
- Vessel control

The lectures are given by Cedre, a representative of the French "State Action at Sea" division, experts from the French Customs, a member of the French military police force, a representative of a Vessel Safety Centre and legal experts.

### TARGET AUDIENCE

Air crews qualified to observe discharges at sea (Navy, Customs, etc.)  
Other personnel from administrations

### SESSIONS

**Participants:** between 15 and 20.

**Trainers:** Cedre, AEM (State Action at Sea division), French customs, *Gendarmerie maritime*, Vessel Safety Centre, legal experts

**Duration:** 1 to 3 days

**Location:** Cedre, Brest

According to the French order of 16th August 2012, signed by the French Water Director for the Ministry of State, Cedre is qualified by article L.211-5-1 of the French Code of the Environment to organise training courses on the management of and response to oil and chemical spills at sea, in sea ports, on the shoreline and in lakes and watercourses.