



The French Navy's spill response means

- Master Plan of minimum response means
- Commissariat emergency stockpiles
- Spill response equipment
- Situation of dispersant stocks and use
- Chartering port tugs
- Summary of government/private offshore response means

Master Plan of French Navy response means

- Scaled for a spill of:
 - 15,000 T in mainland France
 - 500 T in overseas French territories
- Part of a 2008-2011 procurement programme
- The Master Plan defines the **minimum** means to be stored at each naval base
- It is adapted to the specificities of each zone.

Master Plan Elaboration

Elaboration based on three main aspects

- Risk assessment
- Consideration of geographical constraints
- Consideration of nautical means and infrastructure of naval base

Commissariat emergency stockpiles

- Emergency stockpiles are established under the Commissariat Department using the same criteria as the Master Plan
- PPE / CPE
- Small response equipment

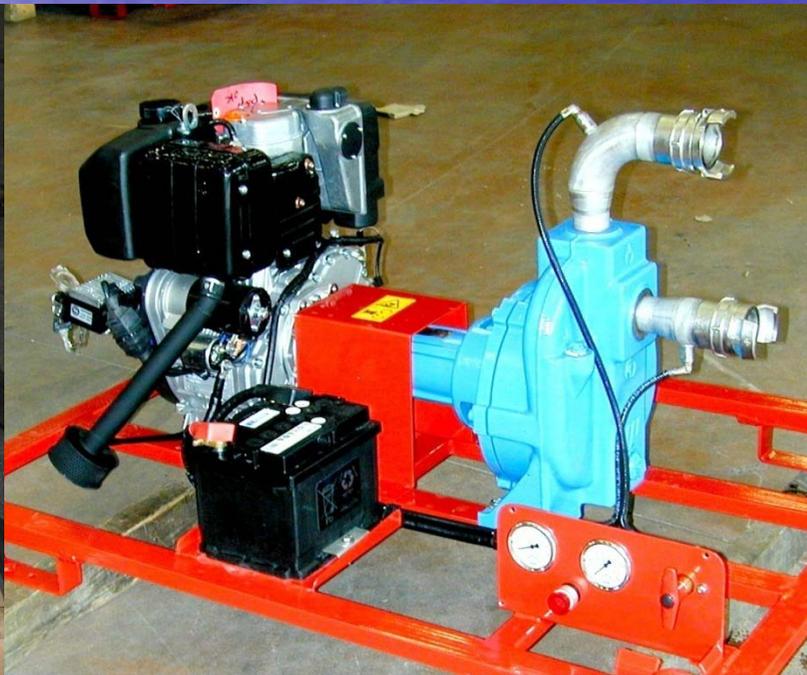
Spill response equipment

Quantification according to operational spill response options

- Pumping means
- Containment means
- Recovery means
- Chemical treatment (for oil only)

Pumping

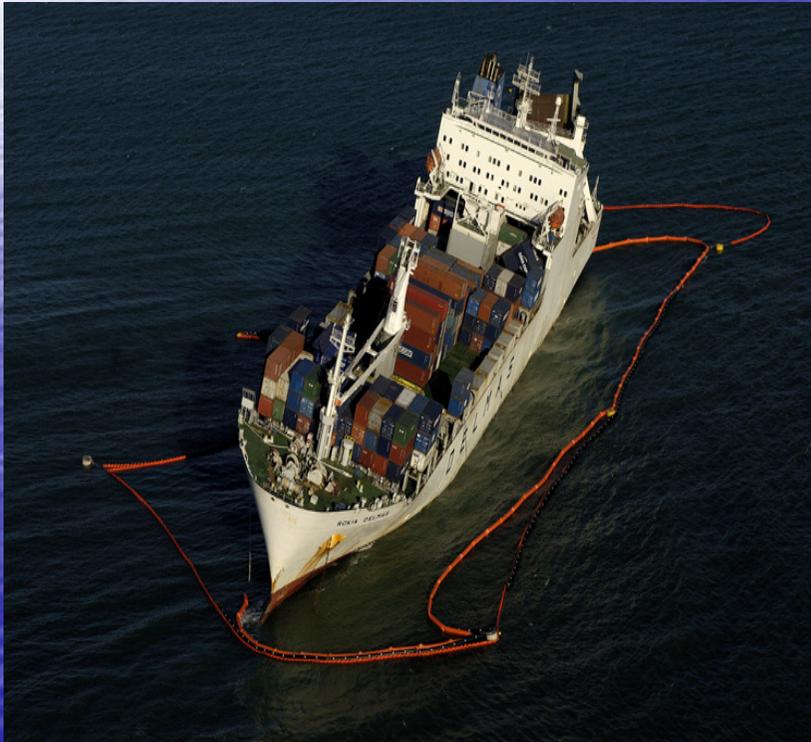
- TDS200 submersible hydraulic pump (85 m³/h)
- GRINDEX submersible electropump (30 m³/h)
- Diesel motor pump (50 m³/h)



Coupled with tanks onboard OSRV, towed floating tanks or storage barges

Containment

- Offshore inflatable boom
- Port and coastal boom



Recovery

- FOILEX weir skimmer
- LAMOR oleophilic brush skimmer
- KOMARA oleophilic disc skimmer
- ❖ Coupled with tanks onboard OSRV, towed floating tanks or rigid tanks
- ❖ Choice orientated towards skimmers with excellent **selectivity**

Recovery

FOILEX weir skimmer



KOMARA oleophilic skimmer



LAMOR oleophilic brush skimmer



TRANSREC system



Containment - Recovery

- Sweeping arms
- Seinip trawl nets
- Thomsea trawl nets



Chemical dispersion

- Study on resizing stockpiles in mainland France currently in progress
- Establishment of a contract with OSR currently in progress

Chemical dispersion

- Maintenance of a dispersant stockpile
 - 500 m³ Brest – Toulon
 - 250 m³ Cherbourg
 - 50 m³ overseas French territories
- Dispersion conditions analysed according to:
 - type of pollutant
 - spill location
 - meteorological conditions

Chemical dispersion

➤ Nautical means



➤ OSR aerial means



French Navy's nautical means



OSRV (oil spill response vessels)



Port tugs chartered

- Tug chartering contract
 - 1 day min. /15 days max. per year
 - 12 contracts passed from Dunkirk to Menton
 - 4 contracts currently under tender
- Summary of towing, fire fighting and pollution response capacities

Summary of government/private offshore response means

- Overview of means liable to be mobilised
 - Offshore means of ports with chartered tugs
 - Equipment Directorate means - POLMAR Land stockpiles
 - FOST means
 - Foreign means through bilateral agreements
 - EMSA means
 - Private means



MARINE NATIONALE



Thank you for your attention



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