

Stockpile Management

Cedre Information day

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Outline

- Determining the Mission
- Equipment logistics
- Equipment maintenance
- Equipment quantity
- Equipment capability
- Equipment renewal / disposal

Determining the Mission

- Important to understand what the mission is.
 - Tier 1 equipment
 - Compact enough to be delivered to operations at short notice
 - Pre-packed into systems for immediate despatch
 - Basis equipment
 - » Easy to use [training, reliability]
 - » Easy to maintain
 - Tier 2 equipment
 - Might be larger in size
 - Ideally compatible [but not essential]
 - Must be compatible with oil types
 - If as mutual aid arrangement - must be able to be deployed
 - Tier 3
 - Range of equipment types to meet different oil and environmental conditions
 - Size is important
 - Credibility of response an issue
 - Logistics / packaging / documentation



Equipment Logistics

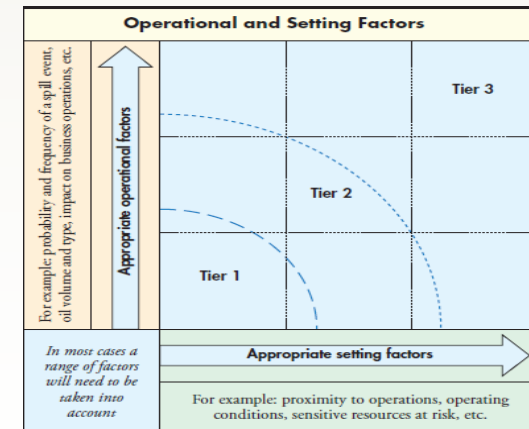
- Getting equipment to site is a critical component of response
- Early consideration in equipment acquisition
 - Equipment must be easily deployable
 - Packaged to keep components together
 - Allows checking ~ security tagging
 - Reduces possibility of missing critical items
 - Reduces number of lifts to mobilise
 - Packaging matched to fork lift/ transport capacity
 - » Differing requirements for each mission
 - Access to storage location must be managed properly
 - Documentation system required

Equipment Maintenance

- Critical element of readiness
- Systemic weakness in some cases
- Pollution equipment does not accrue many running hours
 - Equipment maintenance regimes often need to be tailored to calendar based system
 - Need to avoid unnecessary maintenance
- Need to generate history for equipment maintenance
 - Can become post spill issue in inquiry
- Batteries / Hydraulic hoses pose particular problems

Equipment Quantity

- Equipment resources should be linked to tiered response
- Recognise credibility of response ~ red faced test!
- Contingent on access to support
 - Distance / time / accessibility
- Not more equipment than can be reasonably deployed / maintained
- Personnel levels set limits
- Access to deployment logistics will dictate equipment levels
- Mathematical models can skew reality



Equipment Capability

- Theoretical v actual rates
- Mathematical models
- Testing regimes
 - Certification
 - Pump rates
 - Oil encounter rates
 - Oil types
 - Realities
- Lifting Equipment



Equipment Renewal

- ◆ Equipment life varies ~ 10 ~ 15 years
- ◆ Funding of equipment renewal ~ OSRL model ~ use of spill income
- ◆ 3 year plan looking at requirements
- ◆ Need to keep track on new technology / new demands
- ◆ Focus over past five years ~ smaller more compact transportable system
- ◆ Recognise fact that sometimes high capacity is needed
- ◆ Aerial dispersant ~ age of aircraft platform
 - Major project looking forward



Summary

- Managing stockpiles requires a clear understanding of response purpose
- Equipment selection is not just a commercial decision
- Maintenance of equipment is fundamental requirement
- Plan and Funding mechanism is a key consideration