



## **MECAL TECHNICAL NOTE**

### **MTN 15-2**

Issued by the *MECAL* Technical Committee

#### **USE OF CO<sub>2</sub>**

Reference: All vessels – Section 15.

CO<sub>2</sub> is an effective and acceptable fire extinguishing medium for machinery spaces under the following conditions:

1. The machinery space boundary is effectively gas tight to any accommodation
2. On larger fixed installations, the system is properly designed and installed by a competent person, with nozzles positioned to give full and quick blanketing of the space
3. On larger fixed installations, there should be a pre alarm to allow personnel to evacuate the space
4. The quantity of CO<sub>2</sub> can be calculated as follows:  
Take 35% of the measured volume (using mean LxBxD ) of the space  
Calculate required Net weight of CO<sub>2</sub> from the formula: 1kg of CO<sub>2</sub> will cover 0.56M<sup>3</sup> of space