

## ANNEX I

## REQUIREMENTS FOR STORAGE INSTALLATIONS AT TERMINALS

1. The external wall and roof of tanks above ground must be painted in a colour with a total radiant heat reflectance of 70 % or more. These operations may be programmed so as to be carried out as part of the usual maintenance cycles of the tanks within a period of three years. Member States may grant a derogation from this provision where required for the protection of special landscape areas which have been designated by national authority.

This provision shall not apply to tanks linked to a vapour recovery unit which conforms with the requirements set out in Annex II, point 2.

2. Tanks with external floating roofs must be equipped with a primary seal to cover the annular space between the tank wall and the outer periphery of the floating roof and with a secondary seal fitted above the primary seal. The seals should be designed to achieve an overall containment of vapours of 95 % or more as compared to a comparable fixed-roof tank with no vapour-containment controls (that is a fixed-roof tank with only vacuum/pressure relief valve).

3. All new storage installations at terminals, where vapour recovery is required according to Article 4 of the Directive (see Annex II) must be either:

- (a) fixed-roof tanks connected to the vapour recovery unit in conformity with the requirements of Annex II; or
- (b) designed with a floating roof, either external or internal, equipped with primary and secondary seals to meet the performance requirements set down in point 2.

4. Existing fixed-roof tanks must either:

- (a) be connected to a vapour-recovery unit in conformity with the requirements of Annex II; or
- (b) have an internal floating roof with a primary seal which should be designed to achieve an overall containment of vapours of 90 % or more in relation to a comparable fixed-roof tank with no vapour controls.

5. The requirements for vapour-containment controls mentioned under points 3 and 4 do not apply to fixed-roof tanks at terminals, where intermediate storage of vapours is permitted according to Annex II, point 1.