

## Agenda Item: 653-233

**Title:** Expansion of External Floating Roof Repair Guidelines

**Date:** May 31, 2009

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**Purpose:** To expand upon the current language in the Standard regarding external floating roof repair.

**Source:** Proposed at Fall meeting.

**Revision:** 1

**Impact:** This will serve to provide better guidance to those utilizing the Standard for external floating roof repairs.

**Rationale:** The current language in Sections 9.12.1 (External Floating Roofs) and 9.12.3 (Repair of Leaks in Pontoons) seems incomplete. A ballot item addressing these sections seems appropriate to provide clarification of these two areas.

**Notes:** Comments received during the Fall balloting process indicated a concern regarding referring to the original construction drawings. There were also comments recommending that this item be merged with item 653-228. The consensus at the Spring meeting was that this should not be done, however an effort has been made to propose new section numbers that will be consistent with that item should both be approved for publication.

## Existing Text

## Proposed Changes

### 9.12.1 External Floating Roofs

Any method of repair is acceptable that will restore the roof to a condition enabling it to perform as required.

### 9.12.3 Repair of Leaks in pontoons

All leaks in pontoons or compartments of double deck floating roofs shall be repaired by re-welding the leaking joints and/or use of patch plates.

### 9.12.2 External Floating Roofs

Any method of repair is acceptable that will restore the roof to a condition ~~enabling it to perform as required~~ enabling it to perform in accordance with the original construction standard. If the original construction standard is unknown, any proposed roof repair(s) should be evaluated by a qualified engineer.

### 9.12.4 Repair of Leaks in Pontoons

~~All Leaks in floating roofs of all types in pontoons or compartments of double deck floating roofs shall be repaired by re-welding the leaking joints and/or use of patch plates~~ shall be repaired by appropriate methods. The use of re-welding and/or patch plates is permitted. The repairs shall be examined and tested per the applicable Appendix (C or H) in API 650.