§ 172.105 Extent of damage.

For the purpose of §172.103, design calculations must include both side and bottom damage, applied separately. Damage must consist of the most disabling penetration up to and including penetrations having the following dimensions:

(a) Side damage must be assumed to be as follows:
   (1) Longitudinal extent—6 feet (183 centimeters).
   (2) Transverse extent—30 inches (76 centimeters).
   (3) Vertical extent—from the baseline upward without limit.

(b) Bottom damage must be assumed to be 15 inches (38 centimeters) from the baseline upward.

§ 172.110 Survival conditions.

(a) Paragraphs (c) and (d) of this section apply to a hopper barge and paragraphs (e) through (i) apply to all other tank barges.

(b) A barge is presumed to survive assumed damage if it meets the following conditions in the final stage of flooding:

   (1) The deck edge is first submerged;
   (2) If the barge has a coaming that is at least 36 inches (91.5 centimeters) in height, the intersection of the deck and the coaming is first submerged, except as provided in paragraph (d) of this section.

   (d) A hopper barge must not heel beyond the angle at which the deck edge is first submerged by more than “fa” as defined in §172.090(c).

   (e) Except as provided in paragraphs (h) and (i) of this section, each tank barge must not heel beyond the angle at which—
      (1) The deck edge is first submerged; or
      (2) If the barge has one or more watertight trunk, the deck edge is first submerged by more than “fa” as defined in §172.090(c).

   (f) Except as provided in paragraphs (h) and (i) of this section, a tank barge must not trim beyond the angle at which—
      (1) The deck edge is first submerged; or
      (2) If the barge has one or more watertight trunk, the intersection of the deck and the trunk is first submerged.

Subpart F—Special Rules Pertaining to a Ship That Carries a Hazardous Liquid Regulated Under Subchapter O of This Chapter

§ 172.125 Specific applicability.

This subpart applies to each tankship that carries a cargo listed in Table I of part 153 of this chapter, except that it does not apply to a tankship whose cargo tanks are clean and gas free.

§ 172.127 Definitions.

Length or L means load line length (LLL).