### Existing Text of UCS-66 (2019 Edition)

(c) Impact testing is not required for the ferritic steel flanges shown below when they are produced to fine-grain practice and supplied in the heat-treated condition (normalized, normalized and tempered, or quenched and tempered after forging) when used at design temperatures no colder than −20°F (−29°C) and no colder than 0°F (−18°C) when supplied in the as-forged condition.

1. ASME B16.5 flanges.
2. ASME B16.47 flanges.
3. Long weld neck flanges, defined as forged nozzles that meet the dimensional requirements of a flanged fitting given in ASME B16.5 but have a straight hub/neck. The inside diameter of the neck shall not be less than the nominal size of the flange, and the outside diameter of the neck and any nozzle reinforcement shall not exceed the diameter of the hub as specified in ASME B16.5.

(d) No impact testing is required for Part UCS materials 0.10 in. (2.5 mm) in thickness and thinner, but such exempted Part UCS materials shall not be used at design metal temperatures colder than −55°F (−48°C). For vessels or components made from NPS 4 (DN 100) or smaller tubes or pipe of P-No. 1 materials, the following

### Delete existing text and replace with the following:

(c) Impact testing is not required for the following types of ferritic steel flanges:

1. ASME B16.5, ASME B16.47, and long weld neck forged flanges:
   - (a) when produced to fine grain practice and supplied in the heat-treated condition (normalized, normalized and tempered, or quenched and tempered after forging) and used at design temperatures no colder than −20°F (−29°C)
   - (b) when supplied in the as-forged condition and used at design temperatures no colder than 0°F (−18°C).

Long weld neck flanges are defined as forged nozzles meeting the dimensional requirements of a flanged fitting given in ASME B16.5 but having a straight hub/neck. The inside diameter of the neck shall not be less than the nominal pipe size of the flange, and the outside diameter of the hub/neck shall not exceed the hub diameter specified in ASME B16.5.

2. SA-216 GR WCB split loose cast flanges used at minimum design metal temperatures no colder than -20°F (−29°C) when:
   - (a) their outside diameter and bolting dimensions comply with either ASME B16.5 Class 150 or Class 300, and
   - (b) the flange thickness is not greater than that of either ASME B16.5 Class 150 or Class 300, respectively.

### Implementing Code Case:

Case XXXX
Impact Testing Exemption for SA-216 Split Loose Flanges
Section VIII, Division 1

**Inquiry:** Under what conditions may split loose cast flanges of SA-216 GR WCB be exempt from impact testing for Section VIII, Division 1 construction?

**Reply:** It is the opinion of the Committee that split loose cast flanges of SA-216 GR WCB may be exempt from impact testing for Section VIII, Division 1 construction when the following conditions are met:

(a) the outside diameter and bolting dimensions are either ASME B16.5 Class 150 or Class 300, and
(b) the flange thicknesses are not greater than that of either ASME B16.5 Class 150 or Class 300, respectively, and
(c) the design temperature is no colder than −20°F (−29°C).
(d) This case number shall be shown on the Manufacturer’s Data Report.