AWS D1.1 Interpretation

Subject: Edge Blocks
Code Provision: Subsection 6.17.13 and 6.17.5
AWS Log: INQ-33

Inquiry: (1) Does the 1/16-inch (2 mm) maximum gap specified in paragraph 6.17.13 of D1.1-2000 refer to the physical distance between the weld edge and the edge block at the time of the radiographic set-up for exposure?
(2) Does an image of the gap allowed by paragraph 6.17.13 D1.1-2000, in excess of 1/16 in. (2 mm) on the final radiograph, disqualify the radiograph when the excess is due to geometric enlargement?
(3) Does the radiographic set-up, as delineated in paragraph 6.17.5 D1.1-2000 (i.e., “as near as practical”), allow for positioning the source off the center of the length being examined for the purpose of favoring the weld edge/edge block interface (granting that all other code specified parameters are met)?

Response: (1) Yes. See also C6.17.13
(2) No
(3) No. See also C6.17.5