ASME B30.13 INTERPRETATIONS

Replies to Technical Inquiries
November 1994–March 1998

FOREWORD

This publication includes all of the written replies issued between the indicated dates by the Secretary, speaking for the ASME B30 Committee, Safety Standard for Cableways, Cranes, Derricks, Hoists, Hooks, Jacks, and Slings, to inquiries concerning interpretations of technical aspects of ASME B30.13, Storage/Retrieval (S/R) Machines and Associated Equipment.

These replies are taken verbatim from the original letters, except for a few typographical corrections and some minor editorial corrections made for the purpose of improved clarity. In some few instances, a review of the interpretations revealed a need for corrections of a technical nature: in these cases a corrected interpretation immediately follows the original reply.

These interpretations were prepared in accordance with the accredited ASME procedures. ASME procedures provide for reconsideration of these interpretations when or if additional information is available which the inquirer believes might affect the interpretation. Further, persons aggrieved by this interpretation may appeal to the cognizant ASME Committee or Subcommittee. ASME does not "approve," "certify," "rate," or "endorse" any item, construction, proprietary device, or activity.

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Interpretation: 13-10

Subject: ASME B30.13-1991, Storage/Retrieval (S/R) Machines and Associated Equipment

Date Issued: March 13, 1998

Question (1): Does para. 13-1.9.8(c) require the brakes to be automatically applied upon initiation of an emergency stop switch?

Reply (1): No. Activation of an emergency stop switch is considered to be a type of fault condition addressed under para. 13-1.9.8. Paragraph 13-1.9.8(c) further states, "Fault conditions, however sensed, shall cause applicable drive motors to be disconnected from their power source by opening contactors."

Question (2): Can the drive contactors used to apply power to the drive motor be controlled by electronic control logic rather than a hard-wired circuit?

Reply (2): The B30.13 volume is silent on how power is to be supplied to the drive motor contactors.

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June 1993–September 1994

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STD.ASME B30.13 INT-ENGL ■ 0759670 0578633 089 ■

Interpretation: 13-8

Subject: ASME B30.13b-1994, Storage/Retrieval (S/R) Machines and Associated Equipment

Date Issued: September 22, 1994

Question (1): Interpretation 13-7 addresses carousels, and states that these are not included in B30.13, but are covered by ASME B20.1.

Several carousel installations now have extractor cranes on one or both ends to store and retrieve loads from the storage device.

In addition, some of these now have pickup and discharge stations and work stations nearly identical to the miniload AS/RS.

Where cranes are employed in conjunction with a carousel, does B30.13 apply to the crane and/or the combined set of equipment?

Reply (1): B30.13 applies to the crane only. The B30.13 volume does not address "the combined set of equipment."

Question (2): Where pickup and discharge stations are integral to the storage device and are fed by an interfacing crane, does ASME B30.13 apply

Reply (2): B30.13 only applies to the crane.

Interpretation: 13-9

Subject: ASME B30.13b-1994, Storage/Retrieval (S/R) Machines and Associated Equipment

Date Issued: September 22, 1994

Question (1): Is the definition of the term "Service Platform" intended to include the carriage of an SRM as a defined service platform?

Reply (1): No.

Question (2): If yes, then are the OSHA standards for handrails, toe-guards, etc. required for personnel if riding the SRM carriage for performing maintenance?

Reply (2): See reply to Question (1).

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