

**OCCUPATIONAL SAFETY
AND HEALTH STANDARDS BOARD**

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**FINAL STATEMENT OF REASONS**

CALIFORNIA CODE OF REGULATIONS

TITLE 8: Section 5001, Plate I
of the General Safety Orders

Update and Harmonization of Crane Hand Signals Standards and Illustrations**MODIFICATIONS AND RESPONSE TO COMMENTS RESULTING FROM
THE 45-DAY PUBLIC COMMENT PERIOD**

There are no modifications to the information contained in the Initial Statement of Reasons except for the following non-substantive, substantive, and sufficiently-related modifications that are the result of public comments, Occupational Safety and Health Standards Board (Board) staff evaluation, and/or Board direction.

Section 5001, Signals:**Plate I - Recommended Hand Signals for Controlling Crane Operations**

Original amendments to this section consisted of updating the illustrative drawings. The explanation under the illustration "CRAWLER CRANE TRAVEL, BOTH TRACKS" has been modified to say "Use both fists in front of body making a circular motion about each other indicating direction of travel, forward or backward". This text was taken from ASME B30.5-2007. This modification is necessary because it provides a better explanation of the movements of the fists in connection to the direction of travel.

SUMMARY OF AND RESPONSES TO WRITTEN AND ORAL COMMENTS.**I. Written Comments****Mr. David Shiraishi, MPH, Area Director, Occupational Safety and Health Administration
by letter dated January 21, 2014.****Comment:**

Mr. Shiraishi stated that the proposed standard appears to be commensurate with the federal standard. However, the signal indicating travel forward and backward, on both tracks, may be incorrect. He recommended using the ASME chart for proper hand signals.

Response:

The Board staff accepts this comment and the language under “Crawler Crane Travel, both Tracks” has been modified.

Ms. Dana Lahargoue, Chair, CEA Safety Committee, Construction Employers’ Association by letter dated January 13, 2014.

Comment:

Ms. Lahargoue stated that based on the Initial Statement of Reasons, it seems the primary purpose of the proposed change is to harmonize Cal/OSHA’s hand signals and illustrations with OSHA. However, it seems the current hand signals in Plate I are as effective as the federal standard and the proposed changes may be unnecessary.

Response:

These drawings improve the depiction of some of the current hand signals. Existing drawings did not illustrate the position of the hand in relation to the body. In addition, some did not have written explanation of the drawings.

II. Oral Comments

There were no oral comments received at the January 16, 2014, Public Hearing in Costa Mesa, California.

**MODIFICATIONS RESULTING FROM
THE 15-DAY NOTICE OF PROPOSED MODIFICATIONS**

No further modifications to the information contained in the Initial Statement of Reasons are proposed as a result of the 15-day Notice of Proposed Modifications mailed on February 13, 2014.

**SUMMARY OF AND RESPONSES TO COMMENTS AS A RESULT OF THE
15-DAY NOTICE OF PROPOSED MODIFICATIONS**

Mr. David Shiraishi, MPH, Area Director, Occupational Safety and Health Administration by letter dated March 18, 2014.

Comment:

Mr. Shiraishi stated that the proposed modifications appear commensurate with the federal standard.

Response:

The Board thanks Mr. Shiraishi for his comments.

ADDITIONAL DOCUMENTS RELIED UPON

1. ASME B30.5-2007, American Society of Mechanical Engineers, Mobile and Locomotive Cranes, Section 5-3.3: Signals.

This document is available for review Monday through Friday from 8:00 a.m. to 4:30 p.m. at the Standards Board office located at 2520 Venture Oaks Drive, Suite 350, Sacramento, California.

ADDITIONAL DOCUMENTS INCORPORATED BY REFERENCE

None.

DETERMINATION OF MANDATE

This regulation does not impose a mandate on local agencies or school districts as indicated in the Initial Statement of Reasons.

ALTERNATIVES CONSIDERED

No reasonable alternatives have been identified by the Board or have otherwise been identified and brought to its attention that would be more effective in carrying out the purpose for which the action is proposed, would be as effective and less burdensome to affected private persons than the proposed action, or would be more cost-effective to affected private persons and equally effective in implementing the statutory policy or other provision of law.