

From/to third persons

- Unauthorized startup/use
- Drift of a part away from its stopping position
- Lack of or inadequacy of means of visual or acoustic warning of

Hazards, Hazardous Situations, and Hazardous Events Due to Lifting

Mechanical hazards and hazardous events

- From load falls, collisions, machine tipping caused by:
 1. Lack of stability
 2. Uncontrolled loading, overloading, overturning moments exceeded
 3. Uncontrolled amplitude of movements
 4. Unexpected/unintended movement of loads
 5. Inadequate holding devices/accessories
 6. Collision of more than one machine
- From access of persons to load support
- From insufficient mechanical strength of parts
- From inadequate design of pulleys, drums

CHAPTER 12

PROVISIONS FOR RISK ASSESSMENTS IN STANDARDS AND GUIDELINES: SECTIONS 4.2 AND 5.1.1 OF Z10

As stated in Chapter 11, trends indicate that having the ability to make risk assessments will be expected of safety professionals. That premise has acquired considerable weight because of the more frequent inclusion of provisions in safety standards and guidelines requiring or recommending that risk assessments be made. This trend will have an impact on the knowledge and skills that safety professionals are expected to have. It will also provide career opportunities for them.

Addendum A in this chapter is a partial list of standards, guidelines, and initiatives that require or promote making risk assessments. To avoid having the list become overly lengthy, 2005 was selected as the year to begin recordings in the list. That is the year that the first version of Z10 was adopted as a national standard. Although there are 35 items in the list, it is probably not complete.

To provide guidance for safety professionals on trends throughout the world regarding requirements for risk assessments, we comment in this chapter on selected entries in the list to demonstrate:

- The variations in content for risk assessments in the standards and guidelines
- Specificity or lack thereof in their content
- The pace and importance of recent activity

There are similarities and differences in the approaches taken by the drafters of these standards and guidelines. Some are industry specific whereas others apply across

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