
1 Introduction

1.1 Scope

This portion of ISA-RP60 is intended to be used as a guide in the preparation of engineering designs and specifications for control center facilities (see 1.2).

Because of the wide variety of industries using control centers, it is necessary that this recommended practice be general in its coverage. References are made to applicable industry codes and standards and to national codes that are law under the Occupational Safety and Health Act (OSHA). The user is cautioned to consult local and state building and construction codes that may also apply and to comply with the latest revisions of all such codes and standards, particularly in the nuclear power plant industry.

1.2 Definition

A control center facility is a combination of the services, protective enclosures, and environmental treatment necessary for the proper functioning of the control center. Control center facilities could be found in the following:

- a) An area within an enclosure that is constructed to protect a control center and its operating personnel. The enclosure might also contain a computer room, motor control center room, instrument/electric shop, laboratory, and personnel facilities such as toilets, lockers, and offices.
- b) An unenclosed area located either indoors or outdoors at ground level or in an elevated or subsurface structure.
- c) An area in a mobile unit.
- d) An area in a prefabricated or skid-mounted enclosure.

2 Site considerations

2.1 Hazards

The following is a list of some hazards that should be considered in locating control center facilities:

- Flammable, corrosive, or toxic liquids that could drain into or around the surrounding area
- Fire exposure from operating units or storage areas
- Entry of toxic and corrosive fumes or explosive dust into the control center facility
- Entry of flammable vapors and gases (see American Petroleum Institute (API) RP500A, RP500B, or RP500C, as applicable, for the classification of areas for the installation of electrical equipment)
- Entry of corrosive or toxic vapors and gases