



CGA P-50—2021
STANDARD FOR SITE SECURITY
FOURTH EDITION

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Work Item 19-042
Security Committee

NOTE—Technical changes from the previous edition are underlined.

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1 Introduction

Implementation of security measures are a part of the industrial gas industry culture that protect facilities, employees, and the community by reducing the risk of a wide range of threats and mitigating the effects of incidents such as vandalism, sabotage, workplace violence, and terrorism. Security measures enhance process safety management (PSM), risk management programs (RMP), worker safety, and environmental protection.

A security program should include the following elements:

- site screening for risk prioritization;
- security vulnerability assessment (SVA);
- incident reporting and investigation;
- emergency response and crisis management;
- employee and contractor security issues;
- periodic reassessment; and
- employee security awareness training.

The Compressed Gas Association (CGA) thanks the Center for Chemical Process Safety (CCPS) of the American Institute of Chemical Engineers for granting permission to reproduce and adapt large sections of its book *Guidelines for Analyzing and Managing the Security Vulnerabilities of Fixed Chemical Sites* [1].¹

2 Scope

This publication provides instruction to the industrial gas industry for assessing security risks and identifying and implementing preventive security measures at fixed sites. It is intended as a resource to help managers at individual facilities make security decisions based on risk.

The publication does not attempt to provide an all-inclusive list of security considerations for industrial gas companies nor does it address transportation security and security at customer sites. Additional security information is contained in CGA P-51, *Standard for Transportation Security in the Compressed Gas Industry* and CGA P-52, *Security Guidelines for Qualifying Customers Purchasing Compressed Gases* [2, 3].

3 Definitions

For the purpose of this publication, the following definitions apply.

3.1 Publication terminology

3.1.1 Shall

Indicates that the procedure is mandatory. It is used wherever the criterion for conformance to specific recommendations allows no deviation.

3.1.2 Should

Indicates that a procedure is recommended.

3.1.3 May

Indicates that the procedure is optional.

3.1.4 Will

Is used only to indicate the future, not a degree of requirement.

¹ References are shown by bracketed numbers and are listed in order of appearance in the reference section.