

UFC 4-022-02 Security Engineering: Selection and Application of Vehicle Barriers

INTENT/PURPOSE

The purpose of this standard is to provide the design requirements necessary to plan, design, construct and maintain vehicle counter-mobility barriers used within Entry Control Facilities. It includes a selection and placement process for barriers.

GENERAL SUMMARY STATEMENT

This standard addresses design, layout and performance issues for the use of vehicle barriers at DoD Facilities to ensure that an optimal barrier system is selected for a specific operation within an installation. These guidelines seek to assist in optimizing barrier performance, maintenance and cost. This standard offers design elements and considerations as well as possible options of barriers to choose from. The standard addresses the various types of passive and active barrier choices, some examples and some of their particular attributes.

MAJOR TOPICS ADDRESSED

Guidelines for the following things are addressed in this standard:

1. Design Parameters
 - a. Design Basis Threat
 - b. Site Survey
 - c. System Design
 - d. Vehicle Speeds and Paths
2. Barrier Selection
 - a. Barrier Types
 - b. Design Considerations
3. Types of Barriers
 - a. Active Barriers
 - b. Passive Barriers
4. Specific Barrier Data