

New Work Item Proposal, NWIP

Outline of the standard, based on the Norwegian Standard NS 5834.

**Title:** *Buildings and civil engineering works – Security – Planning of security measures in the built environment*

## **Foreword**

### **Introduction**

The division of the build project into stages as described in this standard is based on the Norwegian plan of work norm for building projects.

#### **1 Scope**

This document provides requirements and recommendations for effective planning and design of security measures in the built environment. The purpose of the standard is to achieve optimal protection of assets against all kinds of malicious acts, while ensuring aesthetic, financial and practical aspects.

This document describes which methods and routines that should be employed in the various stages of the build project, as well as the competencies needed to achieve a good result.

This document is applicable to both new construction and refurbishments.

#### **2 Normative references**

#### **3 Terms and definitions**

#### **4 Security planning for the built environment**

##### **4.1 General**

The principal shall employ advisers/consultants representing various technical competence related to security. The principal shall have an intention to implement security measures in the building process in order to protect the completed building with the assets he wishes to protect.

##### **4.2 Security deliverables in stages**

The standard defines the stages in the planning and constructing process and defines the necessity of participation of different security specialists in the particular stages.

The standard defines in detail what tasks shall be fulfilled at the different stages of the planning, design and construction (PDC) process.

#### **Annex A (informative) Special advisers in security projects**

The Annex explains in detail what different specialist advisers in security are necessary in the planning process and what tasks they shall be assigned. The following specialists may be necessary in the planning of security measures during the PDC process:

- Security planner
- Security risk adviser
- Technical security adviser
  - Specialised architect
  - Landscape architect
  - Structural adviser
  - Systems adviser
  - Other technical security advisers
- Operational security adviser
- Project security controller

The principal will decide how many persons shall be employed in the PDC process, depending on the size of the project and the value of the assets to be protected.

## **Annex B (informative) Details of security deliverables**

The following tasks are to be defined during the PDC process:

### **B.1 Defining the strategic definition**

- B.1.1 Carrying out consequence assessment
- B.1.2 Defining security objectives
- B.1.3 Defining requirements for security planning
- B.1.4 Threat assessment, scenario selection and defining of design-basis threats
- B.1.5 Clarification of conditions
- B.1.6 Information security plan for the project
- B.1.7 Security risk analysis (strategic)

### **B.2 Defining the principles of security policy and concept of security measures**

- B.2.1 Input to the dependency map
- B.2.2 Security risk analysis (preparation and brief)
- B.2.3 External requirements report
- B.2.4 Security strategy
- B.2.5 Input to zoning plan
- B.2.6 Input to the spatial and functional programme
- B.2.7 Identify and assess security measures
- B.2.8 Assessing the costs of preliminary security measures design
- B.2.9 Security contributions to preliminary design report

### **B.3 Adapting and developing concept design**

- B.3.1 Reassessing security objectives
- B.3.2 Carrying out security risk analysis (concept)
- B.3.3 Reassessing security strategy
- B.3.4 Description of security measures
- B.3.5 Integration of security measures
- B.3.6 Selection of security measures
- B.3.7 Input to operational requirements
- B.3.8 Input to assessment of the security measures costs

### **B.4 Developed and technical design**

- B.4.1 Input to tender drawings
- B.4.2 Input to delivery and job descriptions
- B.4.3 Contributions in tender evaluation

### **B.5 Construction**

- B.5.1 Participation in implementation control

B.5.2 Participation in functional tests and commissioning

B.5.3 Input to the O & M manuals

B.5.4 Input to operational requirements

B.5.5 Requirements for maintenance and alterations in security measures

**B.6 Close-out and handover**

**B.7 In-use stage**

B.7.1 Security testing under trial use

B.7.2 Security training

B.7.3 Security verification

**B.8 Disposal**

B.8.1 Overview of sensitive installations

B.8.2 Security risk assessment for disposal stage