



SHORT INTRODUCTION
TO
SECURITY DIRECTIVE FOR INDUSTRIAL FACILITIES
IN SAUDI ARABIA



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UK, Europe, Middle East & Asia

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1. INTRODUCTION

This short introduction outlines the approval process and scope covered by the HCIS authority. It will not guide what documents should be provided for each stage and how they should be structured. Furthermore, business criteria analysis, surveys, functional classification, and waivers are also excluded. This guide will set out the definitions to improve readers general understanding.

The High Commission for Industrial Security (HCIS) is responsible for developing and implementing the security, safety, and fire protection strategies across Saudi Arabia under the Ministry of Interior (MOI). The HCIS mandates legislation that applies to all facilities, including new projects, expanding existing facilities and upgrades.



The HCIS Directives 2017 apply to the construction and expansion of facilities required to comply. Include but are not limited to

- Petroleum,
- Electric Power & Distribution,
- Petrochemical, Water,
- Industrial Services Communications,
- Mining, Gas,
- Civil Explosives,
- Chemical Manufacturing,
- Metal Manufacturing Ports,
- Railroads and Others as determined by HCIS

The country's national security is directly intertwined with implementing this statutory legislation. Facility Operators responsibility is to apply the directive throughout the project's lifecycle. Including but not limited to planning, design, construction, and commissioning.



2. APPROVAL PROCESS

The directive is divided into four stages. The bellow image represents the basic outline process stipulated by the HCIS authority.

2.1 Stage1: Security Risk Assessment and Concept Design

The prerequisite will be a detailed facility survey during which a qualified Security Consultant identifies all critical assets, risks, vulnerability and outlines facility classification.

PART 1. Security Risk Assessment will be developed based on best practice methodologies, such as ANSI/API Standard 780, CCPS, ASIS International Risks Assessment Standard.

PART 2. The conceptual design will be developed based on approved countermeasure mitigations measures defined in SRA.

PART 3. A draft organizational, procedural & training documents. The final submission will be during stage 4.

2.2 Stage2: Preliminary Design

The Preliminary Design will consist of a sufficient level of detail to enable the bidding process.

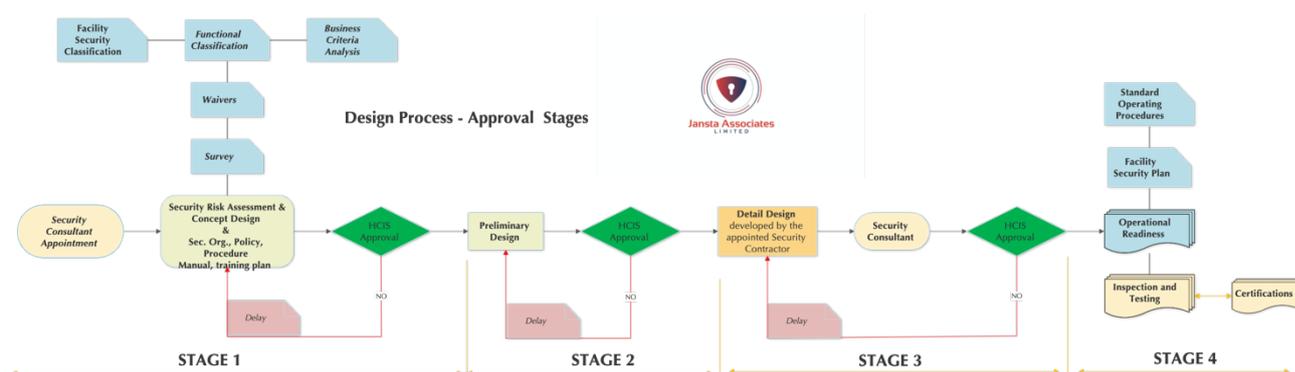


2.3 Stage3: Detail Design

Complete Design Package ready for construction. The consultant will be responsible for overseeing this process on behalf of the facility operator. The security consultant will approve the HCIS submission DD package and be accountable for the compliance.

2.4 Stage4: Operational Readiness

The final project stage consists of testing, inspection, and handover, signed off; see the image below for the complete detailed design process.



3. Scope

The directive provides Facility Operators (FO) with the general requirements for implementing industrial security elements under its jurisdiction.

- General Requirements for Security Directives. Section 1 defines application, waivers, facility security classification, proof of compliance and the overall HCIS process (see above approval section2).
- Security Fencing. Section 2 defines the fencing systems based on the facility category.
- Security Gates. Section 3 defines gate architecture and the minimum requirements.
- Security Lighting. Section 4 set minimum requirements for all security lighting, such as perimeter, area, checkpoints, gatehouse, shared fence.
- Security Systems at Industrial Facilities. Section 5 provides specific requirements for Access Control System, Automatic License Plate Recognition System, Intrusion Detection & Assessment System, ID Management System, Video Assessment & Surveillance System.
- Security Devices. Section 6 stipulates minimum requirements for the security devices needed for Inspection, Personal Protection and Barrier Deterrence.
- Power Supply. Section 7 stipulates minimum power supply requirements to all security facilities, systems, networks, devices, such as incoming power supply, generators, UPS, and earthing.



- Security Communications & Data Networks. Section 8 incorporate minimum requirements for wired and wireless technologies to transfer voice, data and video related to security, safety, and fire protection services at a facility.
- Structures Housing Security Equipment. Section 9 set out the minimum requirements for structured housing sec equipment, such as electrical and environmental safeguards.
- Railway Operations in Industrial Facilities. Section 10 stipulates that railroad services at industrial facilities must comply with the minimum requirements when the railway penetrates a facility perimeter once the train approaches and penetrates the perimeter.
- Personal Verification Identification Cards. Section 11 stipulate that all PIV cards used for access to restricted area facilities and services under the jurisdiction must comply with the requirements.
- Cyber Security. Section 12 stipulates mandatory procedural and technical methods the FO must implement to protect the cybersecurity of integrated security systems.
- Facilities with Marine Interface. Section 13 is divided into four main areas: standard requirements for all facilities, coastal industrial facilities with the land-water interface, seaports, offshore facilities.
- Security Project Management. Section 14. consists of HCIS workflow submission & approval process.
- Security Operations at Industrial Facilities. Section 15 stipulates Security Management System to address the specific security risks
- Pipelines & Pipeline Corridors. Section 16 stipulates ownership, fence penetration, patrols, response plan, maintenance minimum requirements.
- Electrical Power Substations. Section 17 Electrical substations present a particular case and cannot be classified into existing Facility Security Classifications.
- Security for Industrial Cities. Section 18 stipulate Industrial cities/ areas where many autonomous industrial facilities are under jurisdiction.
- Residential Compounds for Industrial Facilities. Section 19 stipulates minimum requirements and that the residential compounds shall not be constructed within the operational area perimeter of the industrial facility.

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