Integrated Security System for Military Sites

Physical and information security
Integrated system for command and control centers
One unitary system
SIS-OM structure is designed to cover the needs of various types of military sites. Regardless of their activities, their importance and the present endowment degree, each military unit must have an integrated security system.

**SECURITY CONCEPT**

Security concept elaboration for each type of military site implies:

- threats analysis
- activities within the site analysis
- local status and history analysis
- cost analysis for each type of event
- efficiency analysis for the measures needed to counteract the events

The SIS-OM structure will cover all the military sites within the unitary security concept according to:

- activity type
- site importance
- present endowment degree
- specific topology and relief conditions

Implementation features for different types of military sites:

- fix and mobile military units
- command centers
- communications centers
- warehouses
- military airports
- training bases
- research units
- other types of units

**FUNCTIONAL CHART OF A SIS-OM**

- Detection
- Identification
- Intrusion detection
- Intrusion annihilation
- Decision
- Reaction decision and choosing the optimum intervention

**INTEGRATED SECURITY SYSTEM FOR MILITARY SITES**

SIS-OM structure assures the protection of the following security areas:

- guarding and defense area
- immediate exterior area of the perimeter fence
- immediate interior area of the perimeter fence
- technical perimeter
- interior area of the buildings
- buildings, warehouses and depots perimeter
- vital areas

**SITE PHYSICAL PROTECTION**

- forbidding the unauthorized access within the site perimeter
- intrusion detection at perimeter level and in depth, by progressively multiplying the surveillance and alarming
- measures up to the vital areas of the site perimeter, exterior and interior site access ways surveillance
- selective access of the personnel at the entrances
- personnel in and out reports
- evaluation of the threats risks in case of an attack
- automatic surveillance on how security personnel fulfills the obligations (guarding control)
- alarming the guarding and intervention subunits
- quick organization and efficient response to attacks

**INFORMATION PROTECTION**

- local security: assuring servers and local units protection against local unauthorized access
- LAN local computers network (Local Area Network) security: assuring protection of the network data, as well as of the network shared information resources (printers, data bases, Web server, mail server, etc.)
- data transmission security: assuring data transmission security among the network users

**SIS-OM ADVANTAGES**

**SITE PHYSICAL PROTECTION**

- fire detection and alarming
- flood detection and alarming
- monitoring the functioning of the vital facilities
- assuring the microclimate conditions necessary for the continuous functioning

**COORDINATION OF THE SPECIFIC ACTIVITIES WITHIN THE LOCAL INTEGRATED DISPATCH**

- centralizing all the security subsystems data
- all the security subsystems alarms and events management
- decisions consultancy according to the system events
- generating events logs and reports of all activities that take place within the site
- control of all the system equipment

**CONNECTION OF THE LOCAL SYSTEMS INTO A UNITARY SYSTEM**

- connecting the modules into a hierarchical system in order to centralize the security status information
- assuring the communications and data connection for the operative analysis and the crisis situations management for local centers, weapons command units, Defense Joint Staff and other authorities in charge with the security enforcement.
- decision consultancy according to the tactical status within the military site
- generating synthetic reports to evaluate the specific situations
INTEGRATED SECURITY SYSTEM STRUCTURE FOR
A FIXED MILITARY SITE

PERSONNEL ACCESS CONTROL FILTERS

PROXIMITY READERS

PERIMETER SECURITY

INTRUSION DETECTION

COMMUNICATION SYSTEMS

DISPATCH

CLOSED CIRCUIT TELEVISION (INTERIOR)

FIRE DETECTION

VEHICLE ACCESS CONTROL FILTERS

PERIMETER SECURITY

EXTERNAL VIDEO CAMERA

INTEGRATED SECURITY SYSTEM STRUCTURE FOR
COMMAND CENTER

CLOSED CIRCUIT TELEVISION

INTRUSION DETECTION

PERIMETER PROTECTION

ADVANCED DETECTION SYSTEMS

FIRE DETECTION AND EXTINGUISHING

ACCESS CONTROL FILTERS

BIOMETRICAL ACCESS CONTROL FILTERS

SPECIFIC ENDOWMENTS

- supplementary security systems
- increased enclosures protection
- high security locks
- advanced means of detection and surveillance
- terrorist attacks preventing systems
- security against noxious radiations
- monitoring and control of the vital facilities for missions execution (energy, fuel, water, air, microclimate)
- high level of systems redundancy

INTEGRATED SECURITY SYSTEM STRUCTURE FOR
COMMAND CENTER

CLOSED CIRCUIT TELEVISION

INTRUSION DETECTION

PERIMETER PROTECTION

ADVANCED DETECTION SYSTEMS

FIRE DETECTION AND EXTINGUISHING

ACCESS CONTROL FILTERS

BIOMETRICAL ACCESS CONTROL FILTERS

SPECIFIC ENDOWMENTS

- supplementary security systems
- increased enclosures protection
- high security locks
- advanced means of detection and surveillance
- terrorist attacks preventing systems
- security against noxious radiations
- monitoring and control of the vital facilities for missions execution (energy, fuel, water, air, microclimate)
- high level of systems redundancy
INTEGRATED SECURITY SYSTEM STRUCTURE
FOR MOBILE UNITS

LOGISTIC SUPPORT AND REPOSITIONING
INTRUSION DETECTION
MODULAR FENCE BARRIERS
FIRE DETECTION AND EXTINGUISHING
PERIMETER PROTECTION
PROXIMITY CARD READERS ACCESS FILTERS
ACCES CONTROL FILTERS

SPECIFIC ENDOWMENTS
- perimeter surveillance and detection
- access control
- intrusion detection and alarming
- closed circuit television
- fixed and mobile communications
- monitoring transports and dislocations
- power supply
- Command and Control Center Monitoring Center (inside the container)

INTEGRATED SECURITY SYSTEM STRUCTURE
FOR WAREHOUSES

CLOSED CIRCUIT TELEVISION
FIRE DETECTION AND EXTINGUISHING
PERIMETER PROTECTION
ACCESS CONTROL FILTERS

SPECIFIC ENDOWMENTS
- supplementary security systems
- interior perimeter protection
- enclosure protection
- anti-explosive systems
- automatic products protection
- intelligent seals
- proximity labels identification systems
- security against noxious radiations
- informatic inventory systems

INTEGRATED SECURITY SYSTEM STRUCTURE
FOR MILITARY AIRPORTS

FLIGHT CONTROL CENTERS SECURITY
WAREHOUSE SECURITY
PERSON TRAFFIC MONITORING
ANTI-TERRO CONTROL
ON-GROUND AIRCRAFT SECURITY
PERIMETER PROTECTION

SPECIFIC ENDOWMENTS
- vital area security
- flights control center
- command centers
- integrated management systems for airport activities
- on-ground aircraft security
- fuels, ammunition, materials warehouses security
- terrorist attacks preventing systems
- control and surveillance systems for person trespassing