CSD business continuity management

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Non-Financial Risks and Business Continuity

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a complex of engineering, technological and organizational measures that ensure the sustainability of critical business processes in emergency situations

BCMS key objectives

- Well-being of personnel
- NOT to breach of any contractual obligations
- Mitigate an impact of emergency
- Set a framework for decision making in emergency situation
- Safeguard reputation and brand

Continuity Threats

- Act of terrorism
- Natural disasters
- Cyberattacks
- Supply chain interruption
- Interruptions of IT system
- Employees unavailability
- Fire
- Social upheaval
- Pandemic
- Interruptions of utility supply

Scope

- BCMS
  - Mitigate
  - Avoid
  - Insurance
  - Outsourcing
- Accept risks
  - Controls
  - Monitoring
  - Incident management

BUSINESS CONTINUITY MANAGEMENT SYSTEM

NSD BCMS develops in accordance with ISO 22301
BUSINESS CONTINUITY STRATEGY

sets out key approaches to ensuring business continuity aiming at safeguarding and recovering necessary resources in case of emergency

Security
Reservation
Emergency response planning

Business Continuity Strategy

1. BUSINESS PRIORITIES
2. STAKEHOLDERS
3. BC THREATS AND RISKS
4. BUSINESS IMPACT ANALYSIS
5. CRITICAL BUSINESS PROCESSES
6. RESOURCES
7. PROTECTIVE MEASURES

Mission
Vision
Objectives
Shareholders
Clients and counterparties
Authorities
Financial market participants
Disruption scenarios
External and internal issues
Non-controlled events
Dependencies and interactions
Key suppliers
Potential negative outcomes

Key and supporting processes
Legal, regulatory and internal policy requirements

Recovery objectives
BUSINESS CONTINUITY PLAN

Threat and Impact analysis

Disruption scenarios

Incident response procedures

Incident assessment and escalation

Emergency Management Committee

Emergency management

Disclosure and alerting requirements

Communications

Business Continuity Strategy

Recovery

Resumption of normal operations

Internal Emergency Alerting Flowchart

Functional response teams

Emergency Management Committee

Incident response procedures

Disclosure and alerting requirements

Communications

Recovery

Resumption of normal operations

Internal and External Communications Plan

Lower-level Plans activation

IT Disaster recovery

Business units' plans

Plans for specific scenarios

Duty officers

Security

Engineers

Prompt Alerting System
# BUSINESS CONTINUITY DRILLS AND EXERCISES

<table>
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<tr>
<th>Drill/Exercise</th>
<th>Description</th>
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<tr>
<td>Activation of backup sites</td>
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<td>Cybersecurity exercises</td>
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<td>Fire-fighting training for personnel</td>
<td>Fire protection system check-up</td>
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<td>Remote execution of critical operations</td>
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<td>Information technology disaster recovery</td>
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<td>Emergency Management Committee convocation</td>
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<td>Uninterruptible power supply systems check-up</td>
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<td>Testing of the on-site client’s universal workplace</td>
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Combining the "RISK" and "BCP" functions develops the concept of "Business Resilience".

Business resilience is the ability to run organizational operations despite disruption, crisis, and while experiencing unexpected challenges.
BUSINESS RESILIENCE CONCEPT AT NSD

An integrated approach to business sustainability based on Risk and Business Continuity Management synergy

Helps to remain stable under any changes in circumstances
THANK YOU!