



Rio de Janeiro 2013 Documentation as an integral part of the museum security system ICMS ICOM

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Presentation

- From Risk Analysis to Risk Reduction
- Main parts of the Museum Security System
- Documentation of listed and collection items as part of a Security System
- Results of the documentation meassures return of objects
- Disaster planning reducing the losses
- Documentation at the national level fire protection
- Conclusions



"Museum collections are meant theoretically to last forever." (G.Ellis

Burcaw, Introduction to Museum Work, Nashville, TN 1975)



From Risk Analysis to Risk Reduction

Wheel of Protection – never ending process



Risk assessment and evaluation

Security plan



Implementaion (Risk Reduction)





Security system of a cultural institution aimed at elimination of risks subsystems



- 1. Mechanical barriers
- 2. Organization of guards
- 3. Organizational measures regarding the conduct of staff and visitors
- 4. Organizational measures incorporated in the scenario of the exposition or interior
- 5. Intrusion Detection System (IDS)
- 6. Fire Alarm System (FAS)
- 7. Access Control System (ACS)
- 8. Closed Circuit Television (CCTV)
- 9. System of internal communication and reporting of emergencies
- 10. Measurement and regulation of critical physical quantities (temperature, humidity, intensity of light and UV radiation)
- 11. Measurement of technical quantities (water, gas, dustfall)
- 12. Internal and external lighting
- 13. System of protection against excess voltage caused by atmospheric forces
- 14. Internal monitoring centre (control room)
- 15. System for transmission of alarm data from the monitoring centre to the relevant intervention forces
- 16. System of textual and visual documentation of cultural objects, their registration and entry in the inventory
- 17. System for resolution of emergency situations (emergency plans)
- 18. Co-operation with relevant national and international organizations and agencies
- 19 Co-operation with intervention forces
- 20. Disaster planning conservation and restauration





Implementation of objects documentation (identification) into Integrated Security System – National Gallery in Prague

Case study 1

Implementation of the Collection Register into Integrated Security System – National Gallery in Prague

Latis[®]SQL

Monitorovací a řídící systém



Comprehensive graphical monitoring system

Trade FIDES, a.s

Integrated monitoring system LATIS SQL

- In all objects monitoring system LATIS SQL have been installed (for all installed systems).
- Received alarm and operational events are elaborated in local servers and then sent to the cental operation unit and main server of LATIS SQL system.





Risk Management and Security Planning at the National Gallery in Prague

NÁRODNÍ PAMÁTKOVÝ ÚSTAV aze UMENÍ 19., 20. a 2 ΚY

Control system: Visual information from LATIS SQL



Control system: Interconection between monitoring system (security database) and NG Central register of collection objetcts

> Minimum information

📴 BACH plugin

NÁRODNÍ PAMÁTKOVÝ ÚSTAV

Název: Stůl s pohárem (Zátiší s pohárem)

Autor: Picasso, Pablo - 25.10.1881 - 8.4.1973

technika	olej
Materiál	olej plátno
Inventární číslo	O 3219
dílo	
výška	38 cm
šířka	46 cm







Documentation of collections

Good documentation is one of the most important part of anti – theft measures of any institution.









Application of national legislation and international conventions



Most important international legislative means:

 <u>UNESCO Convention on the Means of Prohibiting and Preventing the Illicit Import,</u> <u>Export and Transfer of Ownership of Cultural Property</u> (1970)
<u>UNIDROIT Convention on Stolen or Illegally Exported Cultural Objects</u> (1995)
<u>Convention on the Protection of the Underwater Cultural Heritage</u> (2001)
<u>Convention for the Safeguarding of the Intangible Cultural Heritage</u> (2003)
<u>Convention on the Protection and Promotion of the Diversity of Cultural Expressions</u> (2005)
<u>1954 Hague Convention</u>, <u>1954 Protocol</u>, <u>1999 Second Protocol</u>

Council Directive 93/7/EEC of 15 March 1993 on the return of cultural objects unlawfully removed from the territory of a Member State

Return of Cultural Objects CZ religious objects - case study 1





Painting of St. Hedvika, M.L. Willmann circle, oil on canvas, approx. 1700





Four sculptures of church fathers, polychromed wood carvings, approx. 1750





Sculpture of an angel, J.J. Jelínek workshop, polychromed wood carving, approx. 1740





Gothic sculpture of Madonna with Jesus Child, originally polychromed wood carving, 1st quarter of the 15th century



Disaster planning - conservation and restauration case study 2

Immediate conservation – restauration of endangered object eliminates the consequences of a flood



NÁRODNÍ PAMÁTKOVÝ ÚSTAV









Disaster planning - conservation and restauration

Conservation after fire









Documentation at the National Level: National Database of Historical Buildings Fire Protection





Subject of the Project

90 state castles and chateaux in the Czech Republic maintaines by National Heritage Institute





Goals of the Project



- Protection and safeguarding of the cultural heritage in the CZ by improving of fire protection level
- Increase of the safety level (employes, visitors, owners)
- Definition of procedures for optimalization of fire prevention technologies





Goals of the Project

- Assessment of procedures for risk evaluation and solutions of emergency situations
- Tools for financial support of fire prevention planning from state and regional authorities
- Assessment of basic paremeters for research and development of new elements of fire protection of historical buildings



Project activities



Research of fire protection state in 90 castles and chateaux

- Comparition of fire protection solution in CZ and abroad
- Tests of functionality of fire protection technologies



- Methodics of fire protection in historical buldings
- Minimal standard of fire protection
- National database of fire protection of historical buildings in the Czech Republic





Conclusions

- Security system of any museum is a never ending process
- Security system is a multidisciplinary task for all museum employees, intervention forces and state authorities
- Security system is a combine procedure of prevention (risk reduction) and measures for reduction of losses such as good documentation and conservation – restauration facilities
- Security is everybody's business





Thank you for your attention.

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