

Risk manažment v technickej normalizácii

Riziká a ich manažment v kybernetickom priestore a v podnikovej IT infraštruktúre, Bratislava, 19.9.2018

eFOCUS



Etymológia pojmu „riziko“



Etymológia pojmu „riziko“

Pôvod termínu Risk je možné odvodiť z klasickej gréčtiny – od slova **ρίζα**, čo znamená **koreň**

- V gréčtine navigačný termín **rhizikon, rhiza**, ktorý významovo znamenal “koreň, skala, pevná pôda” a slúžil ako metafora pre “prekážky na mori, ktorým sa treba vyhnúť”.
- V latinčine a vulgárnej latinčine **resicum, risicum, riscus** vo význame útes
- V taliančine **risco, riscio** (súčasné **rischio**) odvodené od **riscare** „ide do nebezpečenstva“

Evolúcia organizácie ISO

ISO (International Organization for Standardization) is the world's largest developer of **voluntary** International Standards. International Standards give state of the art specifications for products, services and good practice, helping to make industry more efficient and effective.

The conference of national standardizing organizations which established ISO took place in London from **14 to 26 October, 1946**. 65 delegates from 25 countries meet to discuss the future of International Standardization. In 1947, ISO officially comes into existence with 67 technical committees (groups of experts focusing on a specific subject).

ISO was born from the union of two organisations:

- **ISA (International Federation of the National Standardizing Associations)**, established in New York in 1926, and administered from Switzerland.
- **UNSCC (United Nations Standards Coordinating Committee)**, established only in 1944, and administered in London.

Evolúcia organizácie ISO



The conference of the national standards bodies at which it was decided to establish ISO took place at the Institute of Civil Engineers in London from 14 to 26 October 1946. Twenty-five countries were represented by 65 delegates.

Evolúcia organizácie ISO



In 1949 in Paris, AFNOR entrusted Raymond Frontard with the organization of the first ISO General Assembly, which began with a public session in the grand amphitheatre at the Sorbonne.

Evolúcia organizácie ISO



1951

ISO's first standard

In 1951, the first ISO standard (called Recommendations at this time), ISO/R 1:1951 *Standard reference temperature for industrial length measurements*, is published. Since then, the standard has been updated numerous times and is now ISO 1:2002 *Geometrical Product Specifications (GPS) - Standard reference temperature for geometrical product specification*.

Evolúcia organizácie ISO



1960

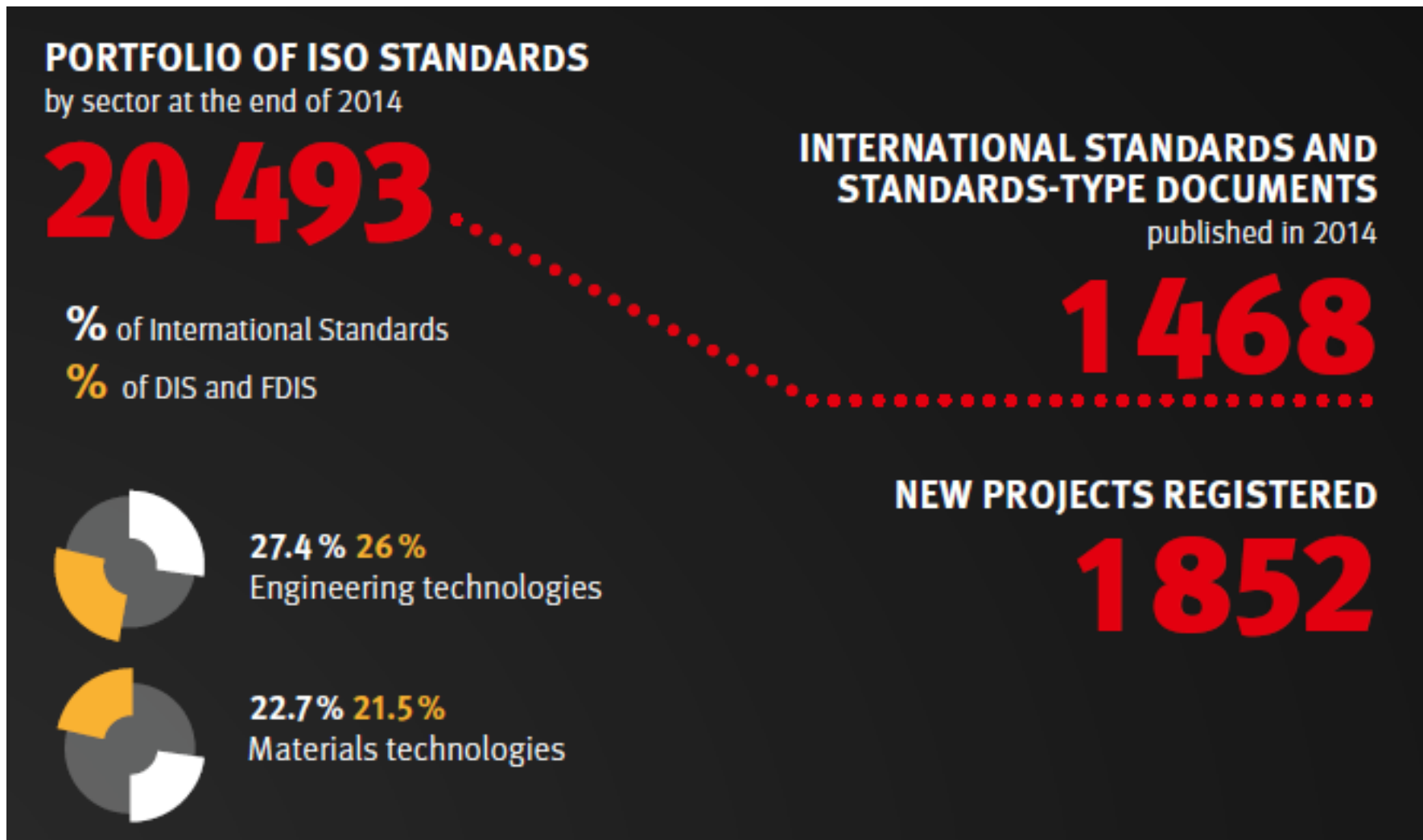
SI - International System of Units

In 1960, ISO publishes the standard ISO 31 on quantities and units (which has since been replaced by ISO 80 000).

ISO 31 is based on SI (Système international d'unités). The SI sets out one unit for each quantity, for example, the metre for distance and the second for time. The objective of the SI system is to reach world-wide uniformity in units of measurement.

ISO 80 000 sets out these units and how to use them.

Evolúcia organizácie ISO

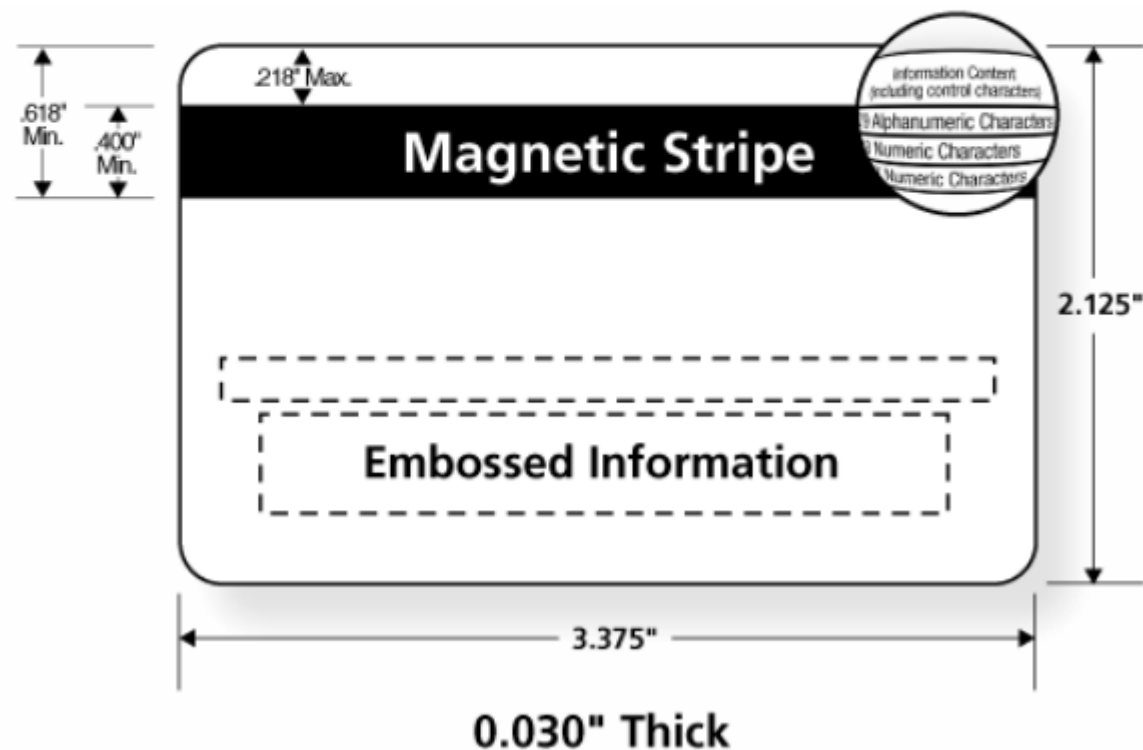
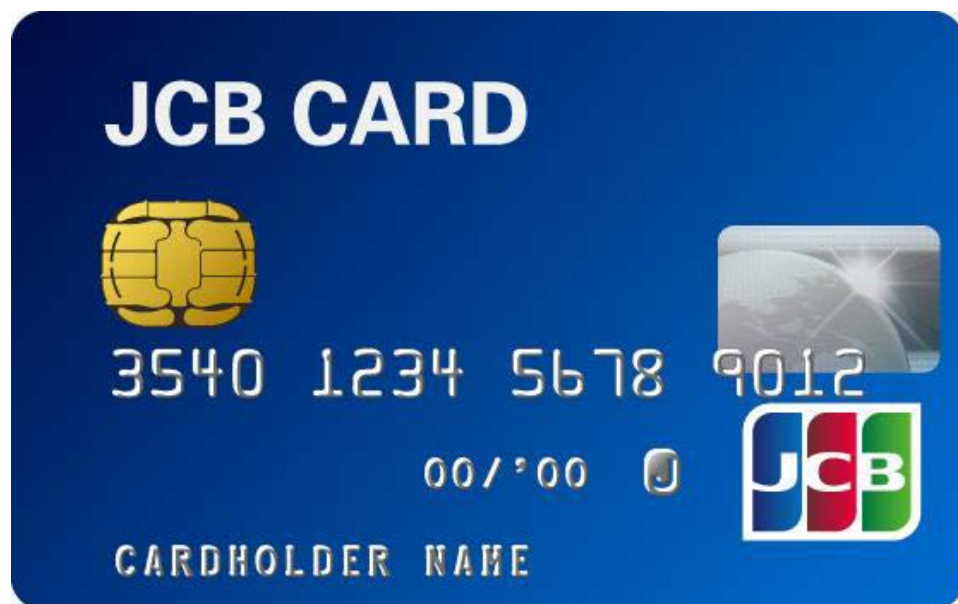


Evolúcia organizácie ISO



Evolúcia organizácie ISO

ISO	7810	Identification Cards - Physical Characteristics
	7811-1	Embossing
	7811-2	Magnetic stripe - low coercivity
	7811-3	Location of embossed characters on ID-1 cards
	7811-6	Magnetic stripe - high coercivity
	7813	Financial transaction cards

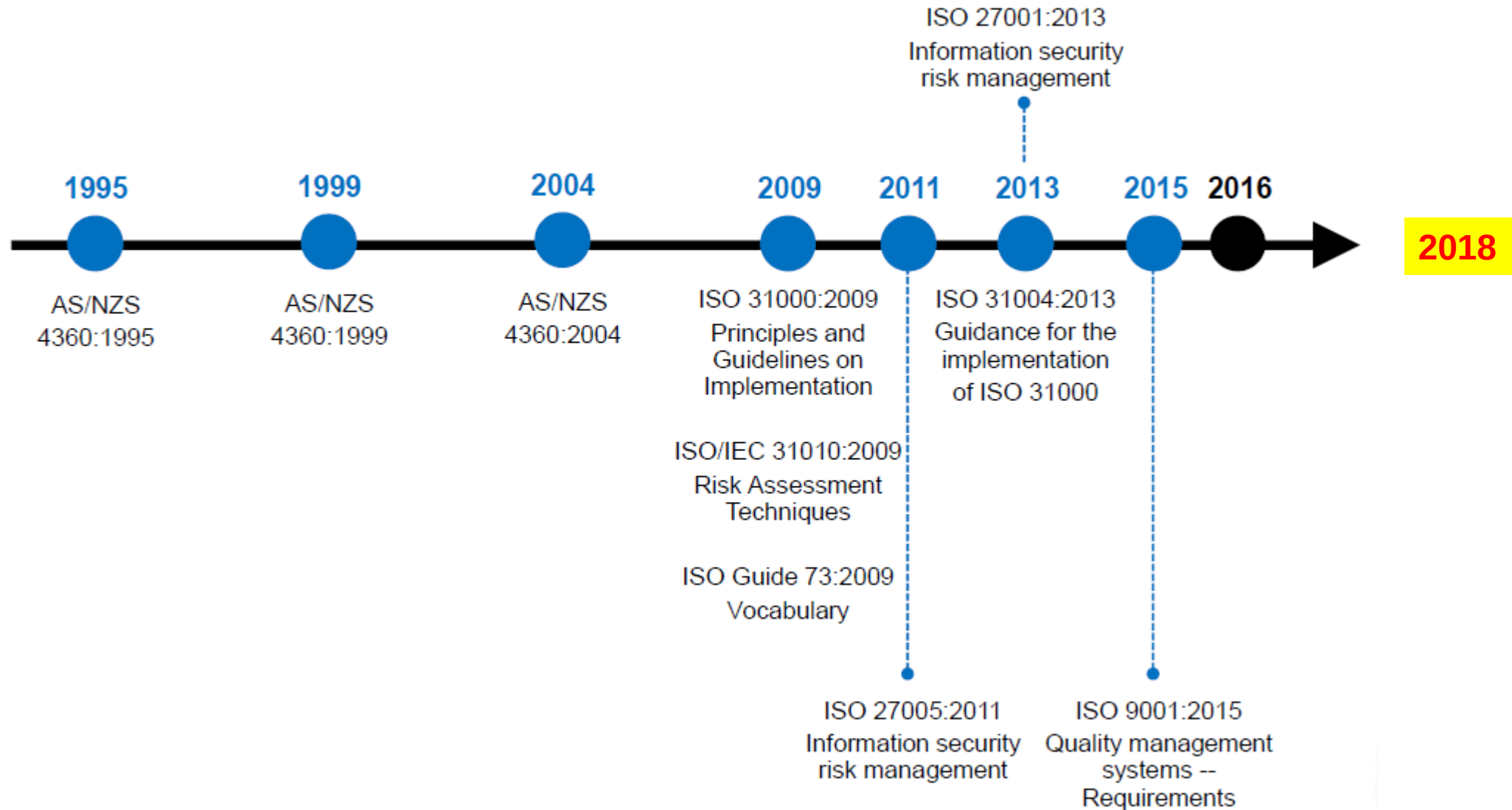


Evolúcia noriem ISO pre oblasť riadenia rizík

ISO/TC 262 Risk management

- technical committee ISO established originally in 2011 as **Project Committee**
- converted in August 2012 into a **full Technical Committee (TC)** to develop standards in the area of Risk Management
- 55 Participating Countries (incl. Slovakia)
- 18 Observing Countries
- Family of standards ISO 31000

Evolúcia noriem ISO pre oblasť riadenia rizík



Evolúcia noriem ISO pre oblasť riadenia rizík

ISO/IEC JTC 1/SC 7 Software and System Engineering

- first plenary in **Paris, France in 1987**, though the origins of the subcommittee began with ISO/TC 97, established in 1960 as a standardization technical committee in the field of information processing
- In 2000, the subcommittee changed its title from Software Engineering to its current title, **Software and Systems Engineering**
- ISO 12207:2017 – Software Life-Cycle Processes
- ISO/IEC 16085:2006 – Risk Management

Evolúcia noriem ISO pre oblasť riadenia rizík

ISO/IEC JTC 1/SC 27 IT Security

- Risk is the product of Likelihood times Impact
(Risk = Likelihood * Impact)
- IT Risk can be determined as a product of Threat, Vulnerability and Asset
(Risk = Threat * Vulnerability * Asset)
- ISO/IEC 27005:2018 — Information security risk management

ISO pre oblasť systémov manažérstva

ISO 9000

ISO 14 000

ISO 20 000

ISO 22 000

ISO 22 301

ISO 26 000

ISO 27 000

ISO 37 000

ISO 45 000

**Risk-Based
Standards**

Ďakujeme za pozornosť

