

Riadenie projektových rizík v čase krízy (ref. štandard ISO 16085)

Riadenie projektových rizík v čase krízy (ref. štandard ISO 16085)

Autori:

Doc. Mgr. Ján Papula, PhD., Fakulta Managementu UK Bratislava

Róbert Kormaňák, R.K.C. spol. s r.o., Trnava

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Utorok, 20.10.2020, hotel COLOR Bratislava

Obsah prezentácie

Hlavné body prezentácie



Definície a pojmy

Sumarizácia používaných pojmov pre riziká, procesy a súvisiace artefakty



ISO 16 085

Podporná norma na báze ISO 12 207, ktorá poskytuje návod na riadenie rizík IT v súlade s procesmi životného cyklu SW



ISO 12 207

Základná odborná medzinárodná norma pre definovanie procesov životného cyklu SW – aktuálna verzia



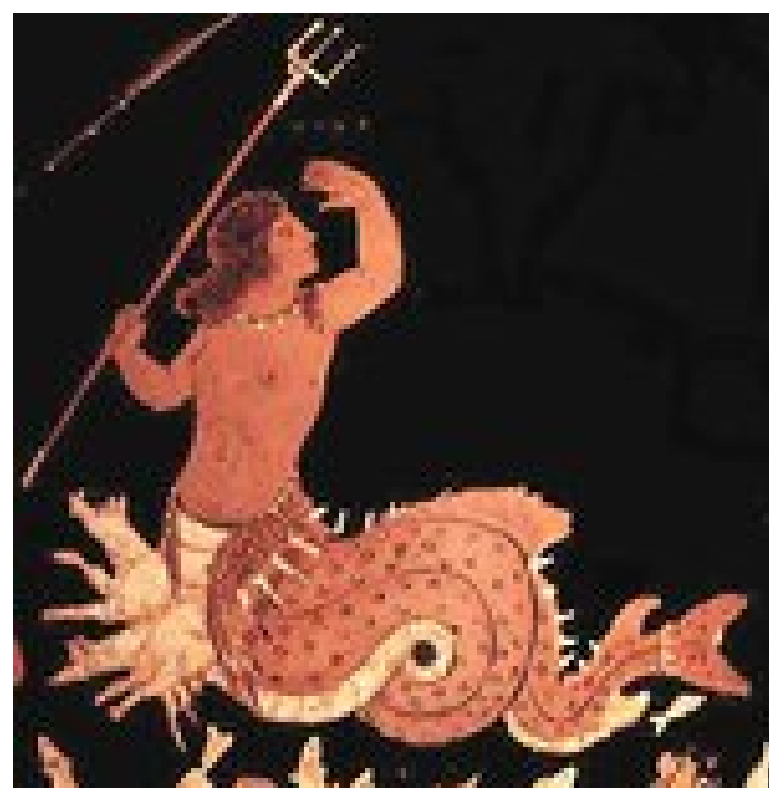
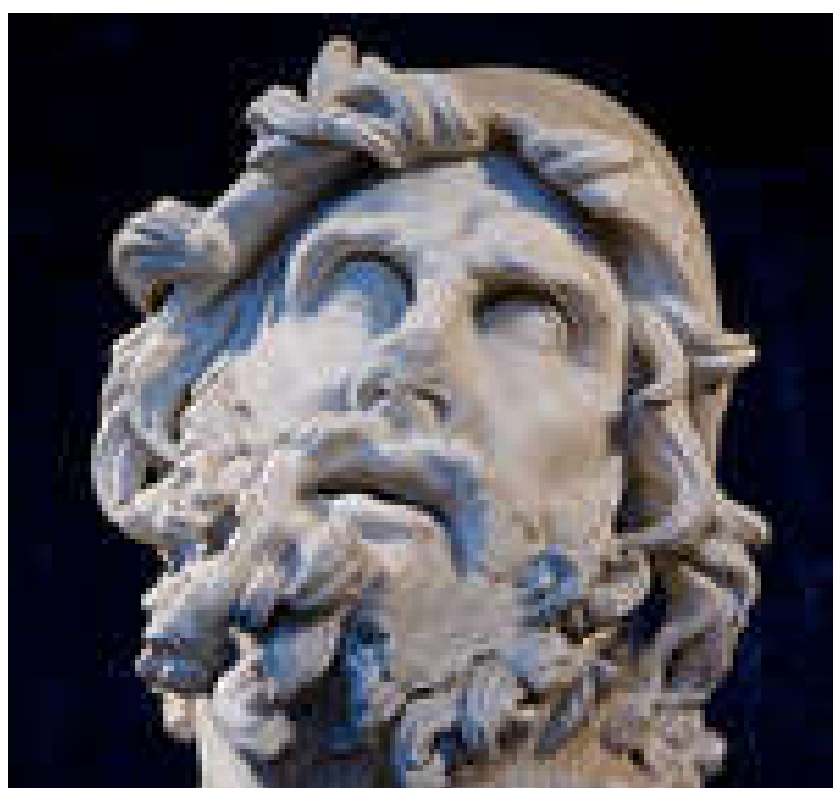
Databáza rizík IT

Prehľad rizík IT spracovaný podľa životného cyklu SW na báze normy ISO 12 207

Základné definície a pojmy

Etymológia pojmu RIZIKO

Odyseus – Trójska vojna – Scylla - Charybdis



Základné definície a pojmy

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** (súčasný **rischio**) odvodené od **riscare** „ide do nebezpečenstva”



úskalíe

Základné definície a pojmy

Etymológia pojmu 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.



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.

Základné definície a pojmy

Etymológia pojmu 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.

Základné definície a pojmy

Etymológia pojmu ISO

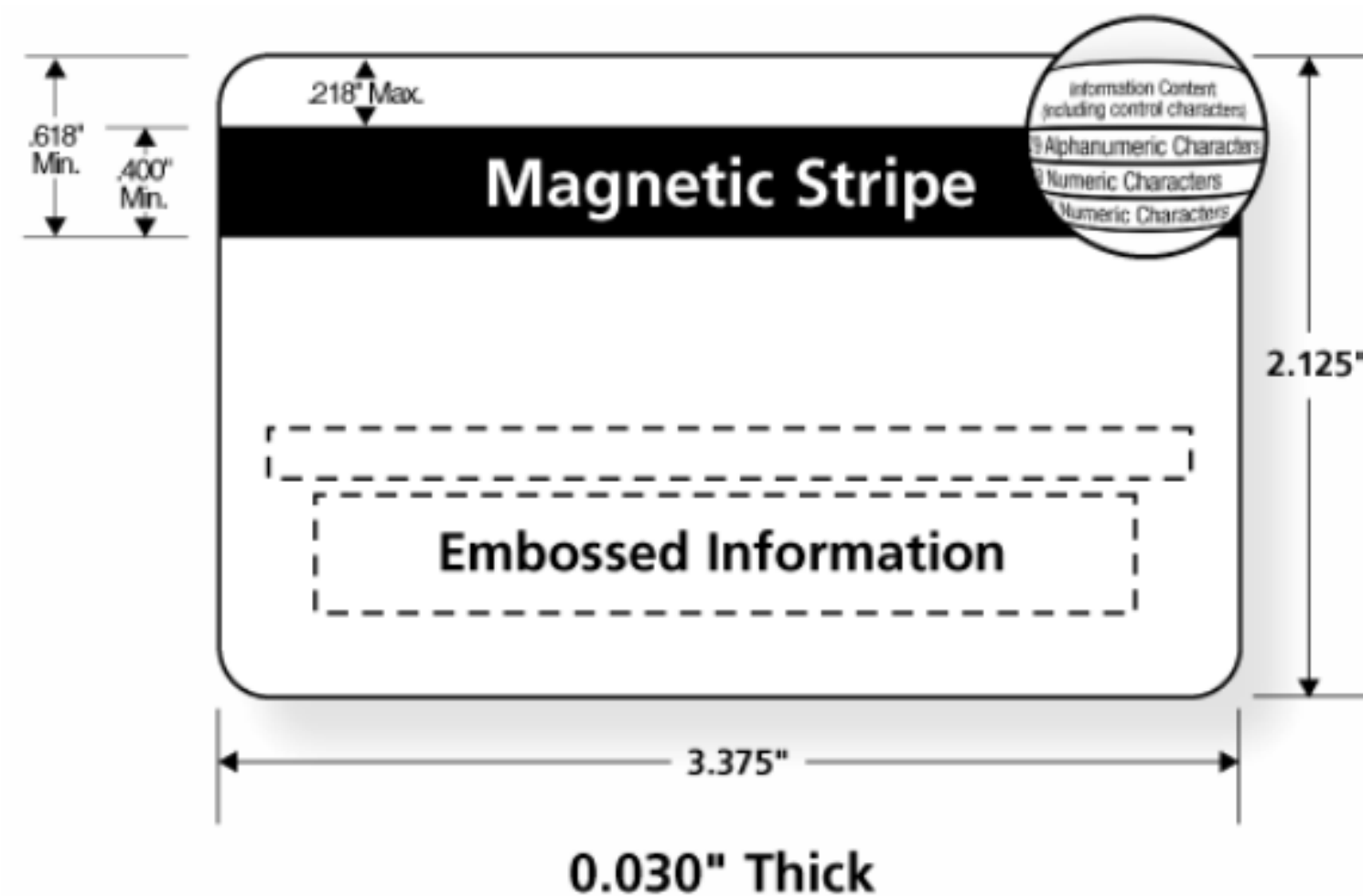


Základom je 20 stopový univerzálny kontajner s uzavretými stenami a čelnými dverami pre nakládku a vykládku od ktorého je odvodená aj základná merná jednotka pre vyjádrenie kapacity a výkonov v kombinovanej doprave TEU - Twenty Equivalent Unit - ekvivalent dvadsaťstopového kontajnera.

Základné definície a pojmy

Etymológia pojmu 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



Základné definície a pojmy

Etymológia pojmu ISO



Základné definície a pojmy

Etymológia pojmu ISO

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**

🕒 ISO 31000:2018

Risk management — Guidelines

🕒 ISO/TR 31004:2013

Risk management — Guidance for the implementation of ISO 31000

🕒 IEC 31010:2019

Risk management — Risk assessment techniques

🕒 ISO/FDIS 31022

Risk management — Guidelines for the management of legal risk

🕒 ISO/CD 31030

Risk management — Managing travel risks — Guidance for organizations

🕒 ISO/AWI 31050

Guidance for managing emerging risks to enhance resilience

Základné definície a pojmy

Etymológia pojmu ISO

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

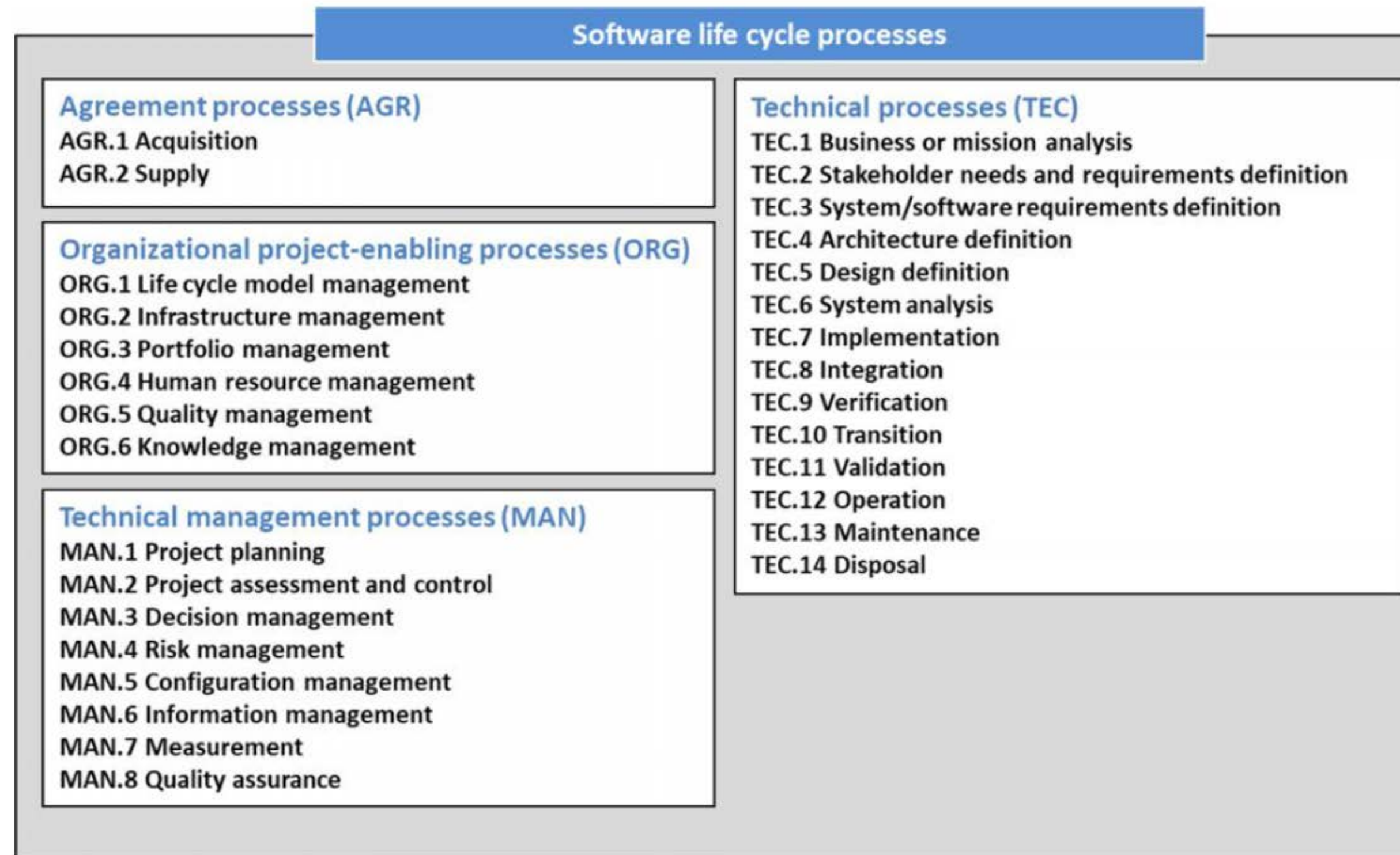
- first plenary in Paris, France in **1987**, though the origins of the subcommittee began with ISO/TC 97, established in 1960 as a standardization technical committee for information processing
- In 2000, the subcommittee changed its title from Software Engineering to its current title, Software and Systems Engineering
- **ISO/IEC 12207** – Software Life-Cycle Processes (1995, 2008, 2017)
- **ISO/IEC 16085** – Risk Management (2004, 2006, **2020**)

ISO/IEC JTC 1/SC 27 IT Security

- ISO/IEC JTC 1/SC 27 was founded by ISO/IEC JTC 1 in **1990**
- The scope of ISO/IEC JTC 1/SC 27 is "The development of standards for the protection of information and ICT"
- Risk is the product of Likelihood times Impact ($\text{Risk} = \text{Likelihood} * \text{Impact}$)
- IT Risk can be determined as a product of Threat, Vulnerability and Asset ($\text{Risk} = \text{Threat} * \text{Vulnerability} * \text{Asset}$)
- **ISO/IEC 27005:2018** — Information security risk management

Software life cycle processes

ISO/IEC/IEEE 12207:2017



Life cycle processes – Risk Management

ISO/IEC/IEEE 16085:2020 (final draft)

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Štruktúra normy
A

Life cycle processes – Risk Management

ISO/IEC/IEEE 16085:2020 (final draft)

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Life cycle processes – Risk Management

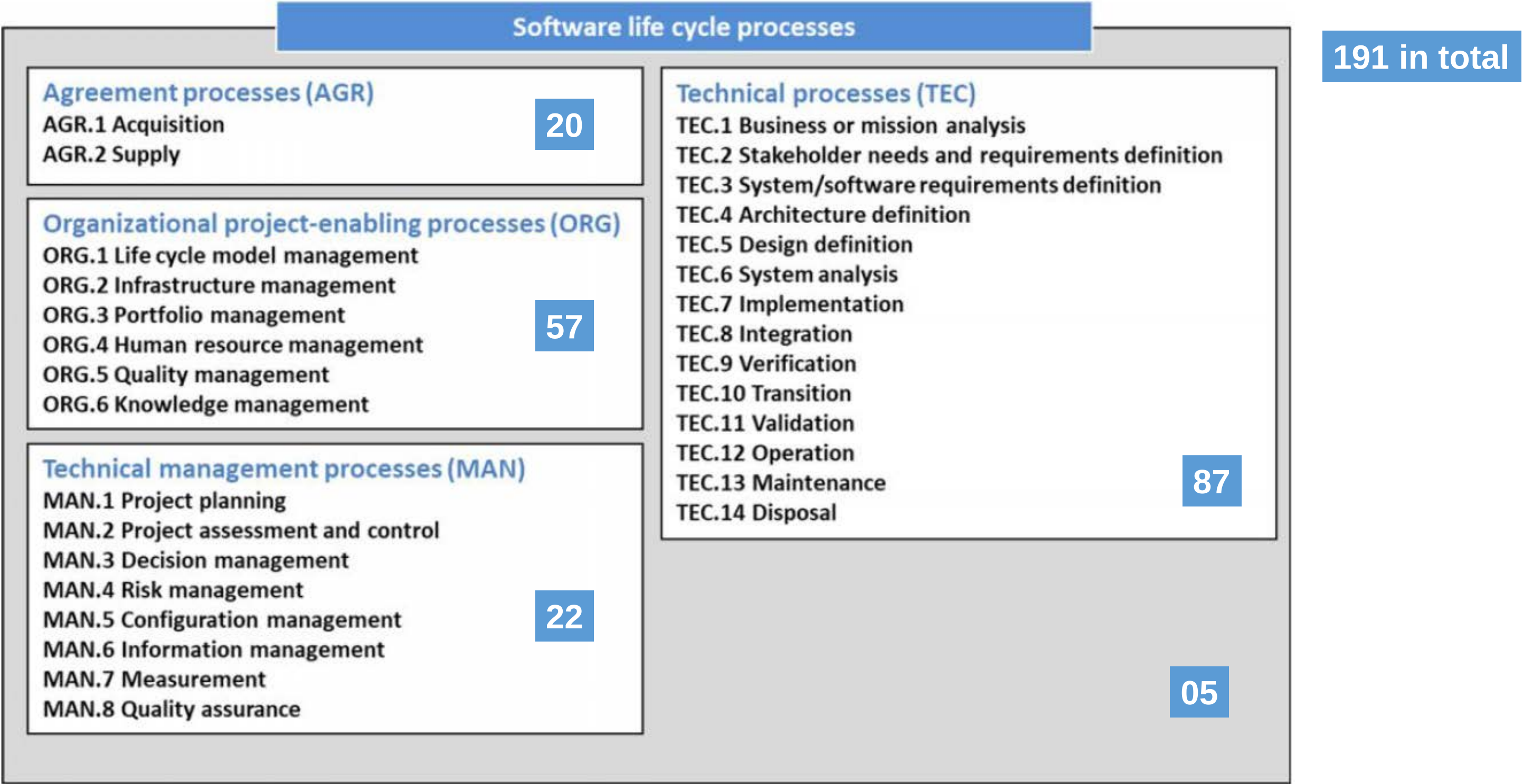
ISO/IEC/IEEE 16085:2020 (final draft)

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Life cycle processes – Risk Management

ISO/IEC/IEEE 16085:2020 (final draft)



Life cycle processes – Risk Management

ISO/IEC/IEEE 16085:2020 (final draft)

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Life cycle processes – Risk Management

ISO/IEC/IEEE 16085:2020 (final draft)

DB_IT_Risks_20				
Súbor Domov Vložiť Rozloženie strany Vzorce Údaje Revízia Zobrazit' Prezrad'te, č				
H12 1				
	A	B	C	D
1	IT Project Risk Database			
2	Version: 7.9.2020			
3				
4	Process Group		Process	Typical Risk
5	AGR.01	Agreement Processes	7.2.2	Acquisition Process
6	AGR.01	Agreement Processes	7.2.2	Acquisition Process
7	AGR.01	Agreement Processes	7.2.2	Acquisition Process
8	AGR.01	Agreement Processes	7.2.2	Acquisition Process
9	AGR.01	Agreement Processes	7.2.2	Acquisition Process
10	AGR.01	Agreement Processes	7.2.2	Acquisition Process
11	AGR.01	Agreement Processes	7.2.2	Acquisition Process
12	AGR.01	Agreement Processes	7.2.2	Acquisition Process
13	AGR.01	Agreement Processes	7.2.2	Acquisition Process
14	AGR.01	Agreement Processes	7.2.2	Acquisition Process

Typové riziká k jednotlivým procesom životného cyklu SW

Life cycle processes – Risk Management

ISO/IEC/IEEE 16085:2020 (final draft)

DB_IT_Risks_20200907.xlsx - Excel

Súbor Domov Vložiť Rozloženie strany Vzorce Údaje Revízia Zobrazíť Prezradte, čo chcete robiť...

H12 1

	F	G	H	I	J	K	L	M	N	O
1										
2										
3			Risk Analysis / Measure							
4			Probabaility	Impact	Risk Exposure	Response	Action	Responsible	Deadline	Status / Result
5			1	1	1					
6			1	1	1					
7			1	1	1					
8			1	1	1					
9			1	1	1					
10			1	1	1					
11			1	1	1					
12			1	1	1					
13			1	1	1					
14			1	1	1					

Analýza, vyhodnotenie rizík +
Výber odpovede (stratégie) +
Definovanie opatrení

Life cycle processes – Risk Management

ISO/IEC/IEEE 16085:2020 (final draft)

DB_IT_Risks_20200907.xlsx - Excel

Súbor Domov Vložiť Rozloženie strany Vzorce Údaje Revízia Zobrazit' Prezrad'te, čo chcete robiť...

H12 X ✓ fx 1

	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD
1															
2															
3		Residual Risk Analysis (after Action adopted)													
4		Probabaility	Impact	Risk Exposure	Status / Result										
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															

Vyhodnotenie reziduálneho rizika

-
Najdôležitejšia časť procesu riadenia rizík



Ďakujeme za pozornosť

Príspevok aj podklady sú zverejnené na webstránke seminára na www.efocus.sk

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