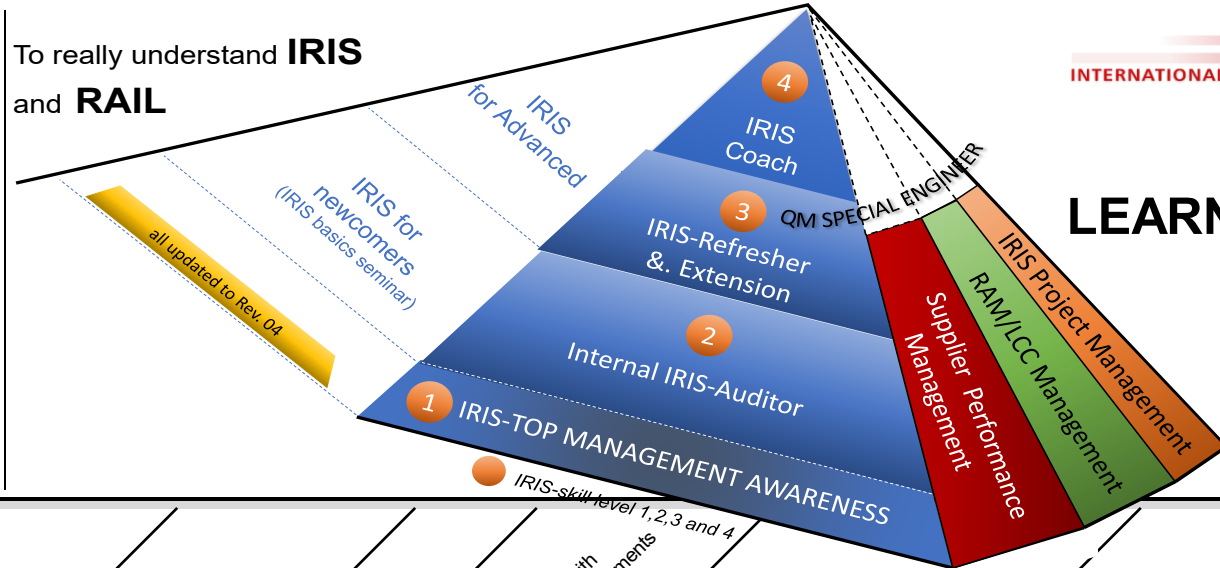


To really understand **IRIS** and **RAIL**



LEARNING CONCEPT 2024

Fundamentals

ISO 22163: 2023

- + IRIS Assessment Sheet
- + IRIS Certification Performance Assessment: 2023
- + IEC standards
- + PMI, PRINCE2, iapm
- + proven solutions of global rail industry
- + > 80 years experience in railway
- + feedback from > 1800 participants

		target groups	duration	certificates with record of achievements	remarks	focus on
1	IRIS TOP Management Awareness	TOP Management, members of 1st line	2 hour	proof of attendance	exclusively offered in-house only	overview, assuming of responsibility, commitment for improvement, provision of resources
2	Internal IRIS Auditor IRIS basics	all process owner, internal auditors	5 day	certificate internal IRIS Auditor	to efficiently understand the entire IRIS certification system	ISO 22163 requirements &. IRIS certification rules, mandatory and selected optional requirements, all mandatory processes
3	IRIS Refresher & extension Rev. 4 Update	all process owner, internal auditors	2,5 day	certificate IRIS Manager	to renew expired certificates + for all who want to achieve more	Focus on changes between IRIS Rev.03 and Rev.04, as well as the implementation of the new "SILVER & GOLD" requirements.
4	IRIS Coach <i>(highest skill level)</i>	heads of QM, IRIS administrators	2 day	certificate IRIS Coach	IRIS auditor or IRIS Manager qualification must be available	IRIS certification strategies & cost optimization, guiding- + remote functions + site extensions, IRIS assessment sheet-> details about more than 40 errors, auditor management.
	Supplier Performance Manager (+SQA)	SQA, LEAD Buyer, internal auditors	4 day	certificate Supplier Performance Manager	goes far beyond the IRIS requirements, only for professionals	procurement strategies, supplier management, improvements in delivery services
	RAM/LCC Manager	RAM/LCC experts, internal auditors	4 day	certificate RAM/LCC Manager	shorter than a university study, but just as good for practitioners	IEC 62278, EN 50126-1, CLC/TR 50126-3, maintenance strategies, FRACAS, Life Cycle Cost
	IRIS Project Manager (+ PQM)	Project Manager, PQM, Project core team	4 day	certificate IRIS Project Manager	direct preparation for the iapm-certification	understand project management correctly and apply it resonably in smaller businesses
	QM Special Engineer	executives for succession		diploma QM Special Engineer		please see https://www.cc-rail.info/en/qm-special-engineer/





SEMINAR CALENDAR 2024

all updated to IRIS Rev. 04



	January	March	May	June	September	October
Level 2 Internal IRIS Auditor (basics + essentials)	DE 8 - 12 Berlin K248	EN 11 - 22 online C250 (remote-Learning)			DE 9 - 13 Berlin K255	EN 30.9 - 11 online C257 (remote-Learning)
Level 3 IRIS refresher + extension (Rev.04 advanced)	EN 22 - 26 online C249 (remote-Learning)			DE 3 - 5 Berlin K254	EN 23 - 25 Berlin C256	DE 29 - 31 Berlin K259
Level 4 IRIS Coach (Guru, first IRIS contact of choice @ site)			DE 27 - 29 online K252 (remote-Learning) EN 29 - 31 online C253 (remote-Learning)			
RAM/LCC Management			DE 27 - 30 Berlin K251			EN 7 - 10 Berlin C258
Supplier Performance Management	provided as in house seminar upon request only					
IRIS Project Management	provided as in house seminar upon request only					

Classroom seminars could also be attended online on demand (hybrid teaching). Please note that dates or locations might change. Hence, please always visit <https://www.cc-rail.info/en/academy/> to access latest information. Remote-Learning provides same information like classroom seminars and are provided stretched in time via ZOOM or TEAMS. Inhouse seminars are not shown in the table above. With the help of the course numbers, you will find more information @ our webpage, e.g., seminar content, prices, venues, number of vacant seats, agenda, etc.

DE = GERMAN language	EN = ENGLISH
Kursnummer: K xyz	Course number: C xyz



IRIS Skills

IRIS skill level

IRIS skill level	Title	Seminar name	Focus
1	IRIS Awareness	IRIS TOP Management Awareness or any IRIS training of any 3rd party (whatever the title was)	informative + general
2	Internal IRIS Auditor	Internal IRIS Auditor (basics + essentials)	all mandatory requirements and essentials need to become certified
3	IRIS Manager (MASTER)	IRIS refresher + extension (advanced)	focus on optional requirements achieving silver or gold level
4	IRIS Coach	IRIS Coach (Guru, first IRIS contact of choice)	focus on certification strategies, cost optimization, auditor management + correction of the Assessment Sheet

1 2 3 4

IRIS general info	What is IRIS?				
	IRIS Objectives &. organizational structure				
	ISO 22163 Highlights				
	Governance & leadership!				
	cost &. benefits of IRIS Certification! our way of success				
Certification Rules (IRIS Certification Performance Assessment)	IRIS Evaluation Methodology				
	Quality Performance Levels				
	Knock-out items				
	IRIS scoring methodology				
	Enabler Evaluation: IRIS Assessment Sheet				
	Process Performance Evaluation (PPE)				
	Evaluation of Customer Perception Performance				
	Determination of key customers through risk-based thinking				
	Evaluation of customer perception indicators				
	submission of documented information				
	requirements to SME				
	business categories and activities				
	process application				
	IRIS transition ("switch")				
	IRIS certification strategies				
	IRIS certification cost optimization				
	guiding- + remote functions + site extensions				
	IRIS assessment sheet (details about more than 40 errors)				
ISO 22163	overview of requirements for the rail industry				
	differences between IRIS Rev.03 and 04				
0.3	process approach				
0.3.2	Plan-Do-Check-Act cycle				
0.3.3	risk-based thinking				
0.3.3	classification of externally provided products and services				
0.3.3	classification of external providers				
0.3.3	project classification				
3	terms and abbreviations				
4.1	stakeholder analysis				
4.1.1	strategic (annual) business planning cycle				
4.1.1	business planning				
4.3.1	scope of the quality management system				
4.4.3	quality management system and its processes				
5.2.3	quality and safety policies				
5.3.1	KPIs				
5.3.2	responsibilities and authorities of process owners				
6.1.3	risk & opportunity management				
6.1.4	business continuity				
7.1.1.1	resource planning, approval and control				
7.1.4	ensuring the environment for the operation of processes				
7.1.5.3	calibration or verification of monitoring and measuring resources as well as of tools used in special processes				
7.1.6	organizational knowledge				
7.2.1	competence management				
7.2.1	technical, social and individual skills				
7.4	process for internal and external communication				
7.5.3.3	control of documented information				
7.5	documentation classes				
7.5	record retention schedule				
8.1.1.1	innovation management				
8.1.1.2	planning of the transfer of processes				
8.1.2	tender management				
8.1.3.1	project management				
8.1.3.5	project cost				
8.1.4.1	configuration management				
8.1.4.2	change management				
8.2.2.1	critical characteristics				
8.2.5	requirements management for products and services				
8.3.1	design and development				
8.3.2	design and development planning				
8.3.4.1	design and development controls				



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1 2 3 4

8.3.4.2	design review				
8.3.4.5	design verification & validation tests				
8.3.5.1	design and development outputs				
8.4.1.1.1	externally provided processes, products and services				
8.4.2.2	goods receiving inspection				
8.4.2.3	supplier performance, re-evaluation and ranking				
8.5.1.1.1	production and service provision				
8.5	deferred work				
8.5	avoiding bottlenecks				
8.5	concession vs. deviation permit				
8.5.1.3	management of special processes				
8.5.5.1	post-delivery activities				
8.6	release of products and services				
8.7.3	control of nonconforming outputs				
8.8.2	RAM management				
8.8.3	(product) safety management				
8.8.4	Life Cycle Costing				
8.9	first article inspection management				
8.10	obsolescence management				
9.1.1.1	performance indicators, incl. QDC				
9.1.3.1	analyze & evaluate information and data				
9.2.3.1	internal audit management				
9.3	management review				
9.4	process reviews				
auditor management	auditor skills				
	auditor register				
	technical competencies of internal auditors				
	communication and other social and individual skills				
	audit principles				
10.2.3	managing nonconformities and corrective actions				
10.3.1	continual improvement process				

WORLD STANDARD TIME ZONES

-11 -10 -9 -8 -7 -6 -5 -4 -3 -2 -1 0 +1 +2 +3 +4 +5 +6 +7 +8 +9 +10 +11 +12/-12 -11

