

ISO560XX Automotive Innovation Agent and Assessor

The Automotive Innovation Agent and Assessor supports the integration of structured innovation systems within the automotive sector, according to the ISO 560xx family of standards. The role ensures innovation is managed strategically—from opportunity identification and concept development to validation and performance assessment. This professional builds and evaluates innovation management frameworks, fosters collaboration among R&D, production, and leadership teams, and applies AI, big data, and foresight techniques to drive data-informed innovation decisions.

Main activities include planning and assessing innovation processes, auditing innovation maturity, developing improvement actions, and embedding a culture of continuous innovation. Responsibilities also include supporting standard implementation (ISO 56001, 56002, 56004), managing strategic partnerships, and coordinating knowledge sharing. This profile plays a key role in enabling organisations to systematise innovation, strengthen competitiveness, and ensure sustainability through intelligent innovation management.

ESCO Mapping

<https://esco.ec.europa.eu/select-language?destination=/node/1>

ID	NAME	Concept URI
1223.2.3	Innovation officer	https://esco.ec.europa.eu/en/classification/occupation?uri=http%3A%2F%2Fdata.europa.eu%2Fesco%2Foccupation%2F9f1d546b-1b4e-4b64-97e8-600fc502304b
2149.18	Innovation engineer	https://esco.ec.europa.eu/en/classification/occupation?uri=http%3A%2F%2Fdata.europa.eu%2Fesco%2Foccupation%2F29e8a27f-5e68-4d47-b991-5c41f835c72a

Context

EQF Level	7
Departments	Production Maintenance Logistics Quality Purchasing HR Finance Sales RnD Construction Intellectual, Legal Recycling Environment IT, Digital

Sector Specific

ID	Name	Type	Description	Level	ESCO
C30 5	Tools and Methods for Idea Management	Knowledge	Frameworks, processes, and tools for managing idea generation and evaluation in line with ISO 56007 and the ISO 560xx series. ▪ Interpret and implement idea management principles relevant to automotive innovation and product development. ▪ Recognise how AI, big data, SDV (Software Defined Vehicle), and electrification influence idea generation and selection. ▪ Identify and describe the sub-processes: TIM.1 Preparing for Idea Management, TIM.2 People and Organisation, TIM.3 Idea Management Process and Activities.	3	

ID	Name	Type	Description	Level	ESCO
			Analyse best practices for structuring and evaluating innovation ideas in complex industrial environments.		
C30 6	Apply Tools for Idea Management	Skill	Apply tools and techniques to execute idea management and capability assessments within innovation processes. - Perform innovation capability assessments using ISO 560xx methodologies. - Evaluate the effectiveness of idea management tools in automotive contexts. - Conduct assessments based on the sub-processes TIM.1, TIM.2, and TIM.3. - Present and document improvement recommendations for idea management workflows.	3	
C30 7	Strategic Intelligence Management	Knowledge	Principles, models, and processes for setting up, operating, and communicating strategic intelligence according to ISO 56006. - Describe the role of strategic intelligence in guiding R&D and business decisions for the automotive sector. - Identify how AI, big data, SDV, and electrification trends impact intelligence analysis. - Define and explain the sub-processes SIM.1 Strategic Intelligence Management Setup, SIM.2 Strategic Intelligence Cycle, SIM.3 Intelligence Communication. - Evaluate good practices for applying intelligence insights to innovation strategy.	3	
C30 8	Implement Strategic Intelligence Management	Skill	Apply strategic intelligence methods and tools to perform innovation capability assessments and decision support. - Conduct automotive innovation capability assessments using ISO 56006 sub-processes (SIM.1, SIM.2, SIM.3). - Apply analytical tools to monitor technological, social, and regulatory trends.	3	

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			▪ Integrate intelligence outputs into innovation roadmaps and performance reviews. ▪ Report intelligence findings to support strategic and operational innovation planning.		
C309	Tools and Methods for Innovation Partnerships	Knowledge	Principles, governance models, and procedures for establishing and managing innovation partnerships according to ISO 56003. ▪ Explain frameworks for innovation partnerships within the automotive ecosystem (OEMs, suppliers, start-ups, academia). ▪ Identify how AI, SDV, and sustainability trends affect collaborative innovation models. ▪ Define the sub-processes TAM.1 Innovation Partnership Framework, TAM.2 Entering an Innovation Partnership, TAM.3 Partner Selection, TAM.4 Partner Alignment, TAM.5 Interaction between Partners. ▪ Analyse partnership structures supporting co-creation and technological innovation.	3	
C310	Manage Innovation Partnerships	Skill	Apply partnership management methods to evaluate and enhance collaboration performance. ▪ Perform automotive innovation capability assessments using ISO 56003 sub-processes (TAM.1–TAM.5). ▪ Support the setup and monitoring of partnerships with suppliers and R&D organisations. ▪ Evaluate communication and alignment between partners. ▪ Identify and report improvement measures for collaboration governance.	3	
C311	Intellectual Property Management	Knowledge	Frameworks, strategies, and processes for managing intellectual property in innovation environments according to ISO 56005.	3	

ID	Name	Type	Description	Level	ESCO
			- Describe intellectual property mechanisms applicable to automotive R&D and technology transfer. - Explain how AI, SDV, and digitalisation affect IP strategy development. - Identify and interpret the sub-processes IPM.1 IPM Framework, IPM.2 IP Strategy, IPM.3 IP Management in Innovation Processes. - Assess best practices for protecting innovation outcomes and managing IP risks.		
C31 2	Apply Intellectual Property Management	Skill	Implement intellectual property management procedures and assessments in innovation projects. - Execute IP-related capability assessments following ISO 56005 sub-processes (IPM.1–IPM.3). - Support documentation and evaluation of IP assets within innovation projects. - Verify alignment between IP strategy and corporate innovation goals. - Recommend IP improvements to ensure compliance and competitiveness.	3	
C31 3	Innovation Management System	Knowledge	Structure, elements, and operational requirements of an innovation management system according to ISO 56001 and the ISO 560xx framework. - Explain how an IMS supports continuous improvement and innovation in automotive organisations. - Recognise the influence of AI, SDV, and electrification on system design and operation. - Identify the sub-processes IMS.0 Introduction, IMS.1 Leadership, IMS.2 Planning, IMS.3 Resource Management, IMS.4 Competence Management, IMS.5 Implementation and Operation, IMS.6 Performance Evaluation. - Analyse how IMS principles integrate with quality and sustainability management.	3	

ID	Name	Type	Description	Level	ESCO
C31 4	Implement Innovation Management Systems	Skill	Apply ISO 560xx-based methods to assess and implement innovation management systems. ▪ Perform innovation capability assessments across IMS sub-processes (IMS.0–IMS.6). ▪ Evaluate IMS documentation and performance indicators. ▪ Identify improvement actions based on audit findings. ▪ Support cross-functional teams in integrating IMS requirements with existing management systems.	3	
C31 5	Innovation Capability Assessment	Knowledge	Models, criteria, and tools for evaluating innovation capability and maturity according to ISO 56004 and ISO 33020. ▪ Interpret innovation capability and maturity assessment principles. ▪ Identify the sub-processes ASM.1 Assessment Process, ASM.2 Perform Assessments, ASM.3 Benchmark and Improve. ▪ Recognise how AI, SDV, and sustainability metrics influence innovation maturity evaluation. ▪ Compare assessment approaches to support continuous improvement in the automotive industry.	3	
C31 6	Conduct Innovation Capability Assessments	Skill	Conduct capability and maturity assessments in alignment with ISO 56004 and ISO 33020 standards. ▪ Execute innovation capability assessments for automotive processes using sub-processes ASM.1–ASM.3. ▪ Analyse results to benchmark performance across departments or projects. ▪ Prepare and present reports with findings and recommendations. ▪ Support management in planning innovation improvement initiatives.	2	