

THE CERTIFIED INDUSTRIAL ARTIFICIAL INTELLIGENCE MATURITY READINESS INDEX (AIMRI) ASSESSOR PROGRAM: FACT SHEET

1. Industrial Artificial Intelligence Maturity Readiness Index

- 1.1. Manufacturing has entered the area of Industrial Artificial Intelligence (AI). This new paradigm has the power to transform how products are created, how supply chains are managed, and how value chains are defined. For companies around the world, Industrial AI presents an opportunity to gain new competitive advantages through greater productivity, flexibility, and speed.
- 1.2. Created by the International Centre for Industrial Transformation (“INCIT”) in partnership with Detecon, a leading management consultancy for digitalization and AI, and industry and academic experts, the Industrial Artificial Intelligence Maturity Readiness Index (“AIMRI”) comprises a suite of frameworks and tools to help manufacturers - regardless of their size and industry - start, scale, and sustain their manufacturing transformation journeys. The AIMRI covers the organizational enablers (covered in “AI Purpose”), technical enablers (covered in “Technology & Data Foundation”), as well as an assessment of the actual application of Industrial AI on the shop floor (covered in “Intelligent Enterprise”)

2. The Certified AIMRI Assessor Program

- 2.1. The Certified AIMRI Assessor Program was established to formally recognize independent and neutral individuals who are able to professionally assess a manufacturing facility using AIMRI and its accompanying frameworks and tools. The Official AIMRI Assessment includes the evaluation of a manufacturing facility across the 20 dimensions of assessment, the identification of recommended areas of priority, and the provision of a report of the findings. The Certified AIMRI Assessor Program consists of a training course and certification scheme.
 - 2.1.1. **The AIMRI Assessor Training Course** will equip industry practitioners with the requisite industry knowledge and skills to become a Certified AIMRI Assessor (“CAA”). The curriculum covers content on Industrial AI in the manufacturing industry, AIMRI’s frameworks and tools, business

consulting, and the methodology for conducting an Official AIMRI Assessment. Over 24 hours of classroom training is provided.

2.1.2. The AIMRI Assessor Certification Scheme aims to safeguard the integrity and consistency of the AIMRI Assessment conducted by ensuring the quality and proficiency of the CAA. In addition to having attended the AIMRI Assessor Training Course, candidates will have to meet prerequisites, such as having relevant manufacturing and consulting work experience, to be eligible to sit for the Certified AIMRI Assessor Examination which includes both theory and practical assessments.

3. Certification Pre-requisites

To register for the Certified AIMRI Assessor (CAA) Examination, the applicant must fulfil the certification criteria listed below.

Academic qualifications: The applicant must possess the following academic qualifications.

Area	Criteria	Required Documentation
Academic Qualifications (To enroll into Certified AIMRI Assessor Training)	Relevant Degree in Science, Technology, Engineering and Mathematics (“STEM”) subjects, including but not limited to: • Aerospace Engineering • Biology • Chemistry • Chemical Engineering • Civil Engineering • Computer Science • Electrical Engineering • Information and Communications Technology • Mathematics • Mechanical Engineering • Physics	The applicant is required to provide evidence of their academic qualifications. In the event that the applicant does not possess the listed academic qualifications, the applicant may still apply and submit their academic qualifications for INCIT to review on a case by-case basis.

Professional qualifications: To fulfill the professional qualifications, the applicant must have high expertise in at least one area and medium expertise in at least two areas according to the following table.

Area	Medium (2-3 years)	High (4+ Years)
Consulting	- Participated in multiple client projects - Contributed to problem-solving and delivery - Familiar with client interaction and stakeholder alignment	- Led client engagements and project teams - Designed and executed transformation strategies - Strong track record in client relationship management
Manufacturing Domain	- Worked on manufacturing-related projects or in a plant environment - Understands basic production processes and challenges	- Deep understanding of operations, supply chain, and plant performance - Experience driving improvement initiatives in manufacturing settings
Digital Transformation	- Supported digital initiatives (e.g., ERP, automation, IoT) - Familiar with change management and technology implementation processes	- Led large-scale transformation programs - Experience in strategic planning, organizational alignment, and scaling digital capabilities across business units
Data and AI Expertise	- Applied basic data analysis or supported AI/ML use cases - Familiar with foundational AI concepts (e.g. ML, predictive analytics) - Familiar with tools like Python, Power BI or cloud platforms	- Designed or led AI/data-driven solutions at scale - Deep understanding of data architecture, governance, and advanced analytics or ML/AI deployment in real settings

Applicant is to submit CV/ resume highlighting job scope and responsibilities. The training center will evaluate the applicants eligibility.

4. Certified AIMRI Assessor Examination

4.1. The CAA Examination is made up of two modes of assessment to qualify as a CAA.

4.1.1. A theory examination consisting of Multiple-Choice Questions (MCQ).

4.1.2. A practical examination in the form of a case interview. The applicant will be expected to conduct a mock AIMRI Assessment in the presence of the examiner(s).

4.2. Please refer to Annex B for more information on the CAA Examination.

5. Award of Certificate

5.1. Applicants that pass the Certified AIMRI Assessor Examination will be awarded the CAA certificate.

5.2. The CAA designation is valid for 2 years, subject to renewal requirement. Please refer to INCIT's website for the renewal requirement.

5.3. All Certified AIMRI Assessors will have to confirm their acceptance of the award by formally registering themselves via the AIMRI Portal. Upon completing their registration, they will be issued an account to allow them to commence the provision of Official AIMRI Assessments. A nominal fee is charged each time an Official AIMRI Assessment is generated by the Certified AIMRI Assessor. Details of the charges will be written in the CAA Agreement



PROCESS ON BECOMING CERTIFIED AIMRI ASSESSOR

Step-by-Step Guide to Get Onboard

STEP 1

Verify Prerequisite Requirements

Check the requirements from the AIMRI factsheet (located at the section 3.0 – Certification Prerequisites).

STEP 2

Register for the AIMRI Training & Certification

Access and select the AIMRI training & certification schedule by visiting:
<https://incit.org/training-and-certification/all-courses>



STEP 3

Attend the AIMRI Training

Attend the AIMRI training and receive the certificate after accomplish the training

STEP 4

Attend & Pass the Theory and Practical Examination

You are now Certified SIRI Assessor. You can access to the SIRI portal

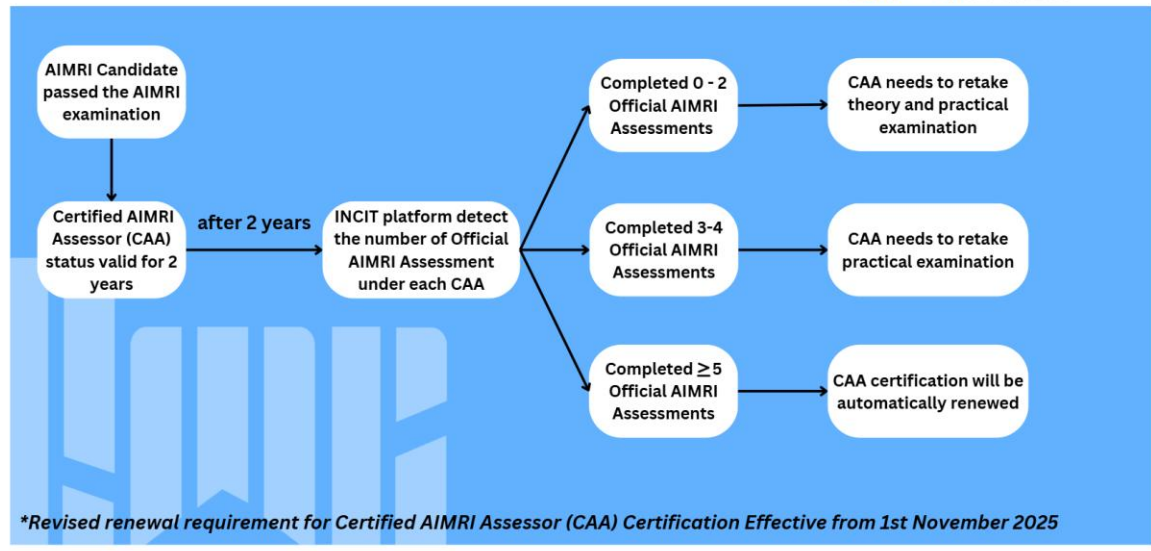
STEP 5

Acknowledge the following agreements on the AIMRI portal before start to create Official AIMRI Assessment

- Certified AIMRI Assessor Agreement
- Assessment Pricing
- Terms and Conditions of the OAA program
- Term of Use

**All the documents mentioned above can be downloaded within the AIMRI portal if required*

Certified AIMRI Assessor Status Renewal Process



Annex A

THE CERTIFIED INDUSTRIAL ARTIFICIAL INTELLIGENCE MATURITY READINESS INDEX (AIMRI) ASSESSOR PROGRAM: SYLLABUS

Module 1: Introduction to Industrial AI in Manufacturing

Topic	Learning Outcomes	Coursework hours	Recommended self-study hours
Introduction to AI	- Explain the relevance of AI - Understand the historical context and the main drivers of the AI evolution - Explain the key concepts, AI covers	0.5 hours	09 hours
Industrial AI	- Explain the relevance of Industrial AI - Explain exemplary use cases of Industrial AI application	0.5 hours	
Adaptation Barriers to Industrial AI	- Understand macro challenges that hinder AI adaptation - Explain typical challenges of manufacturers when adapting Industrial AI	1 hours	
AIMRI frameworks	- Understand the positioning of the AIMRI framework in relation to other frameworks	1 hour	

Module 2: Industrial Artificial Intelligence Maturity Readiness Index

Topic	Learning Outcomes	Coursework hours	Recommended self-study hours
Introduction to AIMRI	- Explain what AIMRI is, why it was developed, describe the development process, and list the stakeholders involved.	1 hour	42.5 hours
Lead Framework	- Explain the use of the LEAD Framework to understand a company's Industrial AI transformation journey - Describe the four steps of the LEAD Framework	1 hour	
AIMRI Framework	- Describe the 3 layers of the AIMRI Framework: - o 3 Building Blocks - o 8 Pillars - o 20 Dimensions - Understand the difference between AIMRI 12 and AIMRI 20, and when which one is used	2 hours	
Assessment Matrix	- Explain in depth the Assessment Matrix, which includes being able to define the 6 bands under each of the 20 dimensions.	16 hours	
TIER Framework and Prioritization Matrix	- Explain the principles of prioritization according to the TIER Framework. - Understand the KPIs and Cost Factors used in the prioritization	2.5 hours	

Module 3: Business Consulting (self-study)

Topic	Learning Outcomes	Coursework hours	Recommended self-study hours
Consulting Process	Outline and describe the key steps in the consulting process: - Diagnosing the problem - Formulating the contract - Analyzing the problem - Developing solutions - Proposing recommendations - Assisting with implementation - Review and Follow-up	0.5hrs	8.5 hours
Business Etiquette	Demonstrate an understanding of the basic business etiquettes for client engagement and workshop delivery		

Module 4: Professionalism and ethics (self-study)

Topic	Learning Outcomes	Coursework hours	Recommended self-study hours
Professionalism	Demonstrate an understanding of the need to maintain independence and objectivity in their professional activities, not knowingly make any misrepresentations and not engage in any improper conduct.	0.5 hrs	4.2 hours
Duties to Clients	Demonstrate an understanding of the importance of maintaining loyalty, prudence and care to their clients, and preserving confidentiality.		
Duties to Employers	Demonstrate an understanding of the importance of maintaining loyalty to their employers and the disclosure of additional compensation arrangements to their employers.		
Assessment, Recommendations and Actions	Demonstrate an understanding of the importance of exercising diligence and thoroughness in their evaluation, disclosing all relevant information to their clients, and maintaining proper records of their work.		
Conflicts of Interest	Demonstrate an understanding of the importance of disclosure of conflicts and referral fees.		

Module 5: AIMRI Assessment facilitation

Topic	Learning Outcomes	Coursework hours	Recommended self-study hours
AIMRI Assessment	Provide an overview of the Official AIMRI Assessment, which should include, but not be limited to: - Objectives of an Official AIMRI Assessment - Stakeholders - Assessment Scope - Assessment Principles - Timeline and key phases - Deliverables	1 hour	
Planning and Preparation	Understand and carry out the key components of the “Planning and Preparation” phase of an Official AIMRI Assessment, which should include, but not be limited to: - Scheduling the briefing call - Conducting the briefing call - Sending relevant materials to the clients - Scheduling the Evaluation and Review sessions	3 hours	
Evaluation	Understand and carry out the key components of the “Evaluation” phase of an Official AIMRI Assessment, which should include, but not be limited to: - Initial discussion on the Assessment Matrix bands - Factory tour - Refinement and validation of the Assessment Matrix bandings - Discussion on the Prioritization Matrix inputs	3 hours	

Analysis and Review	Understand and carry out the key components of the “Analysis and Review” phase of an Official AIMRI Assessment, which should include, but not be limited to: - Review of the information obtained during the “Evaluation” phase - Analysis of the Assessment Matrix and Prioritization Matrix results - Generation of report - Provision of insights - Debriefing of client	3.5 hours + Activity 3 hrs	
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Total Coursework: 40 hours

Total Self-study: 64 hours

1.3 AIMRI Day wise Course Work Outline

Course Schedule

	DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
Start 0900 hrs	Introduction - Course - Participants	Module 2: AIMRI - Assessment Matrix (AM) - AI Purpose - Dimension 1-4	Module 2: AIMRI - Assessment Matrix (AM) - Intelligent Enterprise - Dimension 15-17	Module 3 & 4: Professionalism and Ethics	Module 5: AIMRI Assessment Analysis and Review
Break 15 min	Module 1: Industrial AI - Introduction to AI - Industrial AI, Barriers - AIMRI positioning	Module 2: AIMRI - Assessment Matrix (AM) - AI Purpose - Dimension 5-6 - Activity	Module 2: AIMRI - Assessment Matrix (AM) - Intelligent Enterprise - Dimension 18-20 - Activity	Module 5: AIMRI Assessment Facilitation Official AIMRI Assessment overview:	Module 5: AIMRI Assessment Facilitation - Activity roleplay - Assessment facilitation simulation
Lunch 1 hr	Module 2: AIMRI - Introduction - AIMRI framework Structure 3 Building Blocks 8 Pillars & 20 Dimensions	Module 2: AIMRI - Assessment Matrix (AM) - Technology & Data Foundation - Dimension 7-10	Module 2: AIMRI - Assessment Matrix (PM) - T.I.E.R.	Module 5: AIMRI Assessment Facilitation Planning and Preparation	Module 5: AIMRI Assessment Facilitation - Activity 9: Group - Case Study (Group) - Final comprehensive assessment
Break 15 min	Module 2: AIMRI - Assessment Matrix (AM) - AI Purpose	Module 2: AIMRI - Assessment Matrix (AM) - Technology & Data Foundation - Dimension 11-14 - Activity	Module 2: AIMRI - Prioritisation Matrix (PM) - Activity Case Study	Module 5: AIMRI Assessment Facilitation Evaluation Phase	Examination Briefing Theory and Practical examination Briefing
End 1700 hrs					

Annex B

THE CERTIFIED INDUSTRIAL ARTIFICIAL INTELLIGENCE MATURITY READINESS INDEX (AIMRI) ASSESSOR PROGRAM: EXAMINATION

1. CERTIFIED AIMRI ASSESSOR EXAMINATION (THEORY)

1.1 Competency Areas

The CAA Examination (Theory) seeks to assess a candidate's level of proficiency in the following competency area(s):

S/N	Competency Area(s)	Description
1	Possessing knowledge and understanding of: Key terms, concepts and frameworks relating to the	Ability to demonstrate knowledge and understanding of all the modules and topics outlined in the

	Artificial Intelligence Maturity Readiness Index (AIMRI). Roles and responsibilities of a Certified AIMRI Assessor.	Certified AIMRI Assessor Program Syllabus (<i>please refer to Annex A</i>).
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1.2 Theory Examination Format

The CCA Examination (Theory) adheres to the following format:

Mode of Examination	The Theory Examination may be conducted: - In-person with a group of candidates under invigilation; or - Remotely via an online platform with online proctoring. This is a closed-book examination. Candidates are not allowed to refer to any supplementary materials, beyond what is provided in the Theory Examination Paper.
Assessment Format	50 Multiple-Choice Question (MCQs). All questions will have 4 options.
Total Duration	1 hour 30 mins (90 Mins)
Grading	Each question is worth 1 point. 1 point will be awarded per correct answer, while 0 point will be awarded for an incorrect answer. The total is 50 points.
Weightage	The Theory Examination grade contributes 50% of the overall grade for the CAA Examination.
Passing Grade (Theory and Practical Examination)	Candidates need to score at least 50% out of the 50 points possible for the theory and practical examination to pass. Candidates need a total of 70 points across both the theory and practical examinations to pass the overall CAA Examination. <u>The 3 passing grade criteria:</u> - Minimum 25 Questions correctly answered for theory examination - Minimum 25 marks obtained from the practical examination

	3. Combining theory and practical examination, the total marks should be equal or more than 70 to pass the CAA examination. *For example, if you score 35 marks for the theory examination, you will need minimum 35 marks from the practical examination (35 + 35 = 70 marks) to pass the CAA examination.
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2. CERTIFIED AIMRI ASSESSOR EXAMINATION (PRACTICAL)

2.1 Competency Areas

The CAA Examination (Practical) seeks to assess a candidate's level of proficiency in the following competency areas:

S/N	Competency Area	Description
1	Conducting a AIMRI Assessment Workshop with a client (Stage 1)	- Ability to identify the correct bands for all 24 AIMRI Dimensions within the Assessment Matrix when evaluating a client's sustainable manufacturing facility - Ability to explain the rationale behind the selection of the bands, referencing key terms, concepts and frameworks relating to AIMRI where necessary - Ability to guide the client in providing the necessary inputs for the Prioritization Matrix
2	Debriefing a client on the AIMRI Assessment Results (Stage 2)	- Ability to provide a clear interpretation of the AIMRI Assessment Results, which includes the Assessment Matrix Scores and the prioritized AIMRI Dimensions - Ability to provide a clear interpretation of the insights from the AIMRI Assessment, which includes but is not limited to the comparison of the results against the 3B Maturity Benchmark and the Industry Performance Cards, and provide guidance on the next steps
3	Displaying a good business etiquette and strong communication skills	- Ability to conduct oneself professionally in front of client - Ability to communicate clearly and confidently when engaging a client

2.2 Practical Examination Format

The CAA Examination (Practical) adheres to the following format:

Mode of Examination	The Practical Examination may be conducted: • In-person; or • Remotely via video conferencing. This is an open-book examination. If the Practical Examination is in-person, training centers may provide paper for assessors to write down their notes.
Assessment Format	The Practical Examination is in the form of a case interview, comprising two stages: Stage 1: Mock AIMRI Assessment Workshop Stage 2: Mock AIMRI Debrief Session
Total Duration	1 hour 30 mins (90 Mins)
Grading	Candidates will be graded against an evaluation framework. The total is 50 points.
Weightage	The Practical Examination grade contributes to 50% of the overall grade for the CAA Examination.
Passing Grade (Theory and Practical Examination)	Candidates need to score at least 50% out of the 50 points possible for the theory and practical examination to pass. Candidates need a total of 70 points across both the theory and practical examinations to pass the overall CAA Examination. <u>The 3 passing grade criteria:</u> 1. Minimum 25 Questions correctly answered for theory examination 2. Minimum 25 marks obtained from the practical examination 3. Combining theory and practical examination, the total marks should be equal or more than 70 to pass the CAA examination.

	*For example, if you score 35 marks for the theory examination, you will need minimum 35 marks from the practical examination ($35 + 35 = 70$ marks) to pass the CAA examination.
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2.3 Structure of Case Interview

Segment	Description	Duration
Overview of Case Interview	The examiner will provide an overview of the case interview format to the candidate.	3 mins
Instructions on Stage 1	The examiner will state the expectations for Stage 1 and provide the candidate with the following materials: a. Written Instructions for Stage 1 b. A document containing information relating to a company	2 mins
Stage 1 Commences		
Review of Case	The candidate will have 25 mins to review the materials and prepare his/her walk-through of the AIMRI Assessment Workshop. The candidate is free to ask the examiner any clarifying questions during this period.	25 mins
Mock AIMRI Assessment Workshop	The examiner will advise the candidate to commence a walk-through of the AIMRI Assessment Workshop as per the case instructions. The candidate is expected to provide explanations to substantiate his/her claims whenever relevant. The candidate is expected to complete the sharing within 20 minutes. If the candidate finishes sharing before the 20 minutes, this time could be used in Stage 2.	20 mins
Stage 1 Ends		
Instructions on Stage 2	The examiner will state the expectations for Stage 2 and provide the candidate with the following materials: a. Written Instructions for Stage 2 b. A document containing relevant sections of the company's Official AIMRI Assessment Report	5 mins

Stage 2 Commences		
Review of Case	The candidate will have 20 mins to review the materials and prepare his/her presentation required for the Debrief Session. The candidate is free to ask the examiner any clarifying questions during this period.	20 mins
Mock Debrief Session	The examiner will advise the candidate to commence a mock AIMRI Debrief Session as per the case instructions. The candidate is expected to provide explanations to substantiate his/her claims whenever relevant. The candidate is expected to complete the sharing within 15 minutes.	15 mins
Stage 2 Ends		