

Industrial Engineering Code of Practice



Comments sheet on the Industrial Engineering Code of Practice

1 Name	2 Comment No	3 Clause, sub-clause or Annex	4 Proposed Change	5 Justification for change	6 Working Group response
Comment	1	DEFINITIONS	Consider broader definitions of Industrial Engineer, Technologist and Technician in terms of the nature of work they undertake.	Definition of professionally registered persons is already covered under “ Registered Person ”. In generic terms, engineers, technologists, or technicians are not necessarily registered persons under section 18.1 (a) of the Act. A broader definition should be considered for inclusivity in the field of Industrial Engineering, irrespective of the Professional Registration Status.	Done
Comment	2	DEFINITIONS-	Industrial engineering work: Insert “Work identified <i>in terms of section 26 of the Act</i> specifically in the discipline of Industrial Engineering”	To align with the provision of the Act.	Done
Comment	3	DEFINITIONS-	Category of Registration means the categories of registration provided for in section 18(1) of the Act;	Candidates are excluded from current examples given	Done

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Name	Comment No	Clause, sub-clause or Annex	Proposed Change	Justification for change	Working Group response
Comment	4	INTRODUCTION -Line 2	Insert "Code of Conduct for Registered Persons: Engineering Profession Act, 46 of 2000.... "	Specific reference to ECSA policy document. Applies to the document where "Code of Conduct" is referenced. Alternatively, define " Code of Conduct " and use as Code of Conduct in the Document.	Done
Comment	5	INTRODUCTION - Paragraph 2	Re-write the paragraph to align with the provision of the Act.	The paragraph contradicts the Act. Section 18.1 of the Act makes provision for three (3) categories of registration i.e., 18.1 (a)- Professional, 18.1 (b) Candidate and 18.1 (c) specified categories prescribed by the council	Done
Comment	6	INTRODUCTION - Paragraph 4	Replace "a mark of their professionalism, as a condition of their registration and as an affirmation of their competence and ability" with " <i>prescribed under the Code of Conduct for Registered Persons in terms of the Act</i> "	Alignment to ECSA policy document.	Done
Comment	7	1	In line with these requirements, this Code of Practice classifies Engineering Work in the discipline of Industrial Engineering	Please ignore if Industrial Engineering a sub-discipline	Done

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Name	Comment No	Clause, sub-clause or Annex	Proposed Change	Justification for change	Working Group response
Comment	8	1 and whole document	Consistency with use of Code of Practice or code of practice in small letter.	Formatting and consistency of document	Done
Comment	9	SCOPE (b) & (f)	<p>Insert "The Code has reference to the Act, Overarching Code of Practice for the Performance of Engineering Work (R-01-CoP), Competency Standard for Registration in Professional Categories "R-02-STAPE/PT/PCE/PN" and other relevant ECSA policy documents"</p> <p>Insert "Where a Code, Act or Policy is referenced the latest version thereof shall apply"</p>	To reference the most relevant documents defining the Terms of Reference.	Done
Comment	10	PURPOSE (b)	b) All Industrial Engineering Work is performed by a competent person and uniform competency and conduct standards apply to all registered persons "Industrial engineering practitioners"	Although the Act can only be enforced upon registered persons, the Overarching Code of Practice for the Performance of Engineering Work was drafted such that it caters for all "practitioners" performing engineering work, the discipline specific code of practice shall be aligned	Done

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				with the provisions of the master code of practice. In this context Practitioner (or engineering practitioner) means a person who performs engineering work or provides advisory services relating to engineering work. It includes both registered persons and unregistered persons.	
Comment	11	2(b)	Include a definition of 'a competent person'	The statement "All Industrial Engineering Work is performed by a competent person and uniform competency and conduct standards apply to all registered persons" has varying interpretations, for uniformity, it is recommended that the definition of a competent person is included in the definition section of this document.	Done
Comment	12	2(d)	Include the generally acceptable standards for the execution of Industrial engineering work	As a minimum, the relevant standards and norms that are followed in the Industrial engineering practice should be included.	Depends on industry

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Name	Comment No	Clause, sub-clause or Annex	Proposed Change	Justification for change	Working Group response
Comment	13	APPLICABLE LEGISLATIVE FRAMEWORK (b)	Insert "Code of Conduct for registered persons" unless the "Code of Conduct" is defined.	Alignment to ECSA policy document.	Done
Comment	14	3 b)	b) Specify ECSA Code of Conduct	Avoid application of unrelated Code of Conduct	Done
Comment	15	NATURE OF INDUSTRIAL ENGINEERING WORK- Paragraph 1	Re-write the paragraph in line with the Terms of Reference.	The entire paragraph was copied from "Discipline Specific Training Guide (DSTG) for Registration as a Professional Engineer in Industrial and Systems Engineering R-05-IND-PE" instead of being cross-referenced in line with the ToR. Some training paths for the Industrial Engineering are defined in the DSTG	Done
Comment	16	5.1	Put a description before the numbered items. The numbered items do not seem to relate to the guiding principles which would guide a candidate on how to shape the course of their career.	Misalignment of information?	Done
Comment	17	Section 5.2 Table 1	Distinguish between who is supposed to undertake the activities listed in Table 1, is it	The clarification will assist in enabling the required competency to be aligned to the required type of	Done

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			Professional Engineers, Professional Technologists, Professional Technicians, or Professional Certificated Engineers.	work. Also, this can be expanded into more detail for clarity	
Comment	18	5.2	Industrial engineering work may, in terms of Table 1, be classified as	Punctuation	Done
Comment	19	RANGE OF INDUSTRIAL ENGINEERING PROBLEMS AND ACTIVITIES- Paragraph 1	“...engineering problems is given in the R-02-STA-PE/PT/PCE/PN and R-02-STA-SC documents available on the ECSA website policy document.”	R-02-STA-SC related to competency standards for specified category, which is not relevant to industrial engineering discipline, unless any of its sub-disciplines is a recognised ECSA specified category. Same applies for section 6.2	Done
Comment	20	7.1	Replace the Industrial Engineering registered person with Professional Industrial Engineering	Candidates are also registered person	Done
Comment	21	7.2	The environmental impact of all Industrial Engineering work shall be assessed and appropriate measures be taken to minimise such impacts or to remediate areas so impacted.	Should sounds informative. Ignore if that is the intended purpose of the clause.	Done

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Name	Comment No	Clause, sub-clause or Annex	Proposed Change	Justification for change	Working Group response
Comment	22	CATEGORIES OF REGISTRATION	Delete (a) –(e)/ re-write in the context of “discipline specific” with appropriate content.	Copied from Overarching CoP. Duplication of section 18 (1) of the Act without a significant content to the document.	Done
Comment	23	GENERAL REQUIREMENTS (a)- (e)		General is only focusing on registered persons and is not inclusive of other industrial engineering practitioners to align with the Overarching Code of Practice for the Performance of Engineering Work.	Done
Comment	24	GENERAL GOOD PRACTICE , (b), (d) and (e)	(b) “In an ethical and responsible manner in accordance with the Code of Conduct for Registered Persons” unless defined. d) In accordance with the Labour Relations Act of 1995, (Act 66 of 1995) as amended, e) In accordance with the Protection of Personal Information Act of 2013 (Act 4 of 2013) as amended,	Consistent referencing of legislation and ECSA policy documents. Same applies to section 7.2 and section 7.3	Done
Comment	25	10	Add ECSA Overarching Code of Practise for the Performance of Engineering Work;	Suggestion	Done
Comment	26	GENERAL COMMENT		The document does not adequately expand on the discipline specific (Industrial Engineering) practice requirements. There is a fair amount of material copied from other ECSA documents without significant content to the “Discipline Specific Code of Practice”. The document requires a major revision to address aspect of ‘Industrial Engineering Practice Requirements’ and shall be	Clarify with committee

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				inclusive to Industrial Engineering Practitioners. Some of the key aspects lacking include: <ul style="list-style-type: none"> • Identification and Classification of Industrial Engineering Work; • Category of Industrial Engineering Work for Competency; • Competencies required for identified critical Industrial engineering Work; • Design Requirements; and • Risk Assessment and Quality assurance. 	
Comment	27	GENERAL	Include a statement that addresses the supervision of engineering work in line with the Overarching Code of Practice for the Performance of Engineering Work R-01-CoP		Due to the nature of industrial engineering work, many industrial engineers do not work in an environment where there are a team of registered engineers, in many cases candidates are the only industrial

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					engineer in the company/department
Comment	28	GENERAL	How does this discipline specific code aim to address deviation from recognised standards or work beyond the scope of such standards		No overlapping just interacting Need to look at Prof Eng Act relating to IE Recognised standards is depends on the industry, it is not possible to include this in the CoP. We also believe that Outcome 7 of the competence standard makes provision for this in stating: "identify applicable legal, regulatory and health and safety requirements for the engineering activity", which

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					should include any applicable standards and codes.