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ICorr MENTORING PROGRAMME 'ROUTE TO CHARTERED STATUS'

Brief:

This document is a brief for prospective **Mentors** for the Route to Chartered Status

Objective:

The objective of the Institute of Corrosion mentoring program is to support early career engineers reach the required competency levels in the field of corrosion engineering to obtain chartered engineer status.

Benefits:

The benefits of the ICorr Route to Chartered Status are;

- Mentor guidance
- Assessment from a Chartered Engineer

Mentoring Duration:

The duration of the mentoring relationship is typically two to three years depending on the time required to achieve chartered engineer status. If both mentee and mentor agree, the mentoring relationship can continue beyond that. It is essential that mentor and mentee can relate well to each other: ICorr will match mentor and mentee based on the information provided in the registration form, but both mentor and mentee have an option of asking for an alternative match.

The role of the mentor is to guide and advise the mentee and he/she should not take responsibility for competence development activities.

Mentor's Responsibilities:

- Provide guidance and advice to mentee
- Assess mentee's competencies in a fair and thorough manner
- Help mentee plan how to close gaps in competencies
- Support mentee on their route to chartership

Mentee's Responsibilities:

- Clarify your expectations with your mentor
- Be proactive and diligent in drawing up your competence development plan
- Manage your development plans and deliverables yourself
- Schedule meetings and agree the agenda with your mentor
- Confidentiality is essential on both sides.

How to Apply:

Mentors should fit the profile below but clearly all applicants will be reviewed:

- Preferably be a Chartered Engineer
- Be a Fellow or Professional Member of ICorr (or equivalent)
- Have recognised expertise in the field of corrosion engineering, with a minimum of 10 years' experience in a relevant engineering environment.
- Be familiar with the requirements of UK-Spec
- Apply on the website www.icorr.org or email david_mobbs@hotmail.com



Registration Form:

The Registration Form can be found on the website and can be filled online, including competencies for mentors, where they could tick the relevant boxes)

Mentors:

Prospective Mentors should give the following basic information;

Route to Chartered Status – Prospective Mentors Application Details		
Name		
Title		
Date of Birth		
Chartered Status / Institute		
Engineering Council Registration No		
ICorr Grade / Membership No		
Company Name		
Current Position		
Location		
How much time can you commit		
Contact No		
Email address		
Your expertise: please assess yourself using the ICorr recommended competencies and provide competency level below:		
Corrosion Fundamentals		
Corrosion Mitigation		
Corrosion Monitoring, Inspection and Testing		
Corrosion Engineering Design, Management & Risk Assessment		
Leadership & Soft Skills		

Mentors Competency:

The ICorr recommended competencies for mentors can be self assessed in the following table

	Competency Matrix - Mentors	Aware	Knowledgeable	Skilled	Expert
	Definition:	Performs activity with significant supervision and guidance – Performs basic routine tasks; little or no responsibility	Performs activity in a range of contexts – supervision required but mainly in more complex circumstances – some individual responsibility or autonomy	Performs activity in some complex or non routine contexts – Significant responsibility and autonomy – can oversee the work of others	Performs activity in a wide range of complex or non-routine contexts – Substantial personal autonomy – can develop others in the activity
1	Corrosion Fundamentals: Exhibit sound knowledge and understanding of: <ol style="list-style-type: none"> The fundamental corrosion aspects of chemical / electrochemical reactions and physical / mechanical interactions (e.g. temperature, pressure, flow, erosion, stress, fatigue loading) and the combination thereof that can occur between engineering materials and working environments. The integration of engineering materials and corrosion knowledge and experience to the pros and cons of selecting a given material for an application. 				
2	Corrosion Mitigation: Ability to select and apply effective corrosion mitigation methods based on: <ol style="list-style-type: none"> Identifying relevant and credible corrosion mechanisms / threats associated with internal and external environments, as appropriate, for specific engineering materials being considered or already in-service; and the affects thereon of design, fabrication, installation, accessibility and operational requirements and constraints. The application, alone or in combination, of various mitigation methods – in particular, corrosion inhibitors, coatings and linings, cathodic protection, process control, and / or material selection – to safely and economically control corrosion. 				
3	Corrosion Monitoring, Inspection and Testing: Ability to: <ol style="list-style-type: none"> Select, apply and interpret results and data from various commonly used field and laboratory corrosion testing, monitoring and inspection techniques, based on an understanding of the pros and cons of the associated technologies for intrusive and non-intrusive application. Assess the engineering significance / implications of the results and data from monitoring, inspection and/or testing on short and long-term safe functional (design and/or remaining) life – c.f. fitness-for-service. 				

4	<p>Corrosion Engineering Design, Management & Risk Assessment: Exhibit sound knowledge and application of:</p> <ol style="list-style-type: none"> 1. Best practice corrosion engineering to front end engineering design and/or in-service operations, including relevant in-house, national and international standards, codes and specifications, and economics. 2. Corrosion management strategies / plans and corrosion risk assessments, through both development and execution, from an integrated understanding of materials properties / performance, corrosion mechanisms, failure analysis, monitoring and inspection methods, and corrosion mitigation / control options. 				
5	<p>Leadership and Soft Skills: Evidence of:</p> <ol style="list-style-type: none"> 1. The provision of technical and commercial leadership. 2. Effective interpersonal skills. 3. A personal commitment to professional standards, recognising obligations to society, the profession and the environment. 				



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ICorr MENTORING PROGRAMME 'ROUTE TO CHARTERED STATUS'

Brief:

This document is a brief for prospective **Delegates** for the Route to Chartered Status Program

Objective:

The objective of the Institute of Corrosion mentoring program is to support early career engineers reach the required competency levels in the field of corrosion engineering to obtain chartered engineer status.

Benefits:

The benefits of the ICorr Route to Chartered Status are;

- Mentor guidance
- Assessment from a Chartered Engineer

Mentoring Duration:

The duration of the mentoring relationship is typically two to three years depending on the time required to achieve Chartered Engineer status. If both mentee and mentor agree, the mentoring relationship can continue beyond that. It is essential that mentor and mentee can relate well to each other: ICorr will match mentor and mentee based on the information provided in the registration form, but both mentor and mentee have an option of asking for an alternative match.

The role of the mentor is to guide and advise the mentee and he/she should not take responsibility for competence development activities.

Mentor's Responsibilities:

- Provide guidance and advice to mentee
- Assess mentee's competencies in a fair and thorough manner
- Help mentee plan how to close gaps in competencies
- Support mentee on their route to chartership

Delegates Responsibilities:

- Clarify your expectations with your mentor
- Be proactive and diligent in drawing up your competence development plan
- Manage your development plans and deliverables yourself
- Schedule meetings and agree the agenda with your mentor
- Confidentiality is essential on both sides.

How to Apply:

Delegate:

- Be a registered Professional ICorr member
- Apply on the website www.icorr.org or email david_mobbs@hotmail.com
- Familiarise yourself with the competencies required to become a chartered engineer (UK-Spec 3rd Edition)
- Be familiar with the requirements of UK-Spec
- Apply on the website www.icorr.org or email david_mobbs@hotmail.com

Registration Form:

The Registration Form can be found on the website and can be filled online, including competencies for mentors, where they could tick the relevant boxes)

Delegates:

Prospective Delegates should give the following basic information;

Route to Chartered Status – Prospective Delegates Application Details		
Name		
Title		
Date of Birth		
ICorr Grade / Membership No		
Company Name		
Current Position		
Location		
What would you like to get out of the program?		
How much time you can commit to the program?		
Any preference for the mentor’s expertise? (e.g. corrosion inhibition, CP, coatings etc)		
Contact No		
Email address		

