



# APGA ONSHORE PIPELINE ENGINEERING COMPETENCY SUMMARY



# Guide to using the APGA Onshore Pipeline Engineering Competency Summary Template

NB This is the portfolio for pipeline engineers in the onshore sector. Please see the APGA Offshore Pipeline Engineer Competency Portfolio if you are involved in the offshore sector.

## **General**

The APGA Onshore Pipeline Engineering Competency Portfolio is designed for pipeline engineers to use to compile the evidence of their competency as a professional pipeline engineer. The portfolio can be presented to employers or prospective employers. It can also be used as part of an application for registration on the National Engineering Register for the area of practice of Oil and Gas Pipeline Engineering.

## **Name and personal details**

Provide details about the pipeline engineer and the bachelor degree held. A certified copy of the degree testamur should be included in the attachments.

## **Qualifications**

Provide the details of all graduate and post-graduate qualifications.

## **Summary of competencies claimed/held**

Complete the table with the competencies held or claimed to be held and the name of the person verifying the competency, or with the notation 'statutory declaration' if this will be the method of verification. For the General Engineering (GE) competency area, an appropriate course is also valid verification. Check that the prerequisites needed for each competency claimed are also held/claimed.

### Name and personal details

<b>Name:</b>	
<b>Current employer:</b>	
<b>Current position:</b>	
<b>Address:</b>	
<b>Email address:</b>	
<b>Telephone:</b>	
<b>Mobile:</b>	



### Qualifications

<b>Bachelor Degree:</b>	
<b>University:</b>	
<b>Post-graduate qualification:</b>	
<b>University:</b>	
<b>Engineers Aust/NER Status:</b>	
<b>Engineers Aust/NER Membership No:</b>	
<b>Other professional body membership:</b>	

## Summary of competencies claimed/held

Please delete those non-mandatory core competencies which are not claimed. Please add elective and other competencies claimed at the end of this table. NB: The prerequisite competencies are also listed for those competency standards in this list that have them. Evidence should also be provided to support competency in the prerequisites and they should also be verified.

This portfolio summary is intended as a supporting document for engineers to use in circumstances where a fully completed portfolio is not called for. In particular, this summary can be used for pipeline engineers can be used by engineers who are applying for CPEng in Oil & Gas Pipeline Engineering via Engineers Australia's CV and Interview pathway.

	Mandatory		Ten competency standards required from this section
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ID	Competency Name	Prerequisites (Make sure these are also claimed)	Related roles/positions
<b>Core Competencies</b>			
GE001	Engineering degree in a relevant discipline		
GE002	Pipeline engineering fundamentals		
GE013	Flexible pipe design		
IB001	Industry participants and structure		
IB002	Introduction to AS 2885		
IB003	Related industries		
IB004	Legal and regulatory frameworks for pipeline engineers		
IB005	Introduction to plastics pipe and water and gas industry standards		
CC001	Corrosion control fundamentals		
IC001	Instrument and control fundamentals		
RA001	Risk assessment fundamentals	IB002	
SM001	Work health and safety fundamentals		
CA001	Commercial aspects fundamentals	IB001	
EH001	Environment and heritage fundamentals		
EA001	Right of way acquisition and management fundamentals	IB002, IB004	
DP001	AS 2885.1 – Key concepts and application	IB002	
DP002	Onshore pipeline design fundamentals	IB002, DP001, GE005, GE007	
DS001	Station design fundamentals	IB002, DP001	
RE001	Route engineering fundamentals	DP001, DP002	
CE001	Construction engineering and management fundamentals	PM001	

ID	Competency Name	Prerequisites (Make sure these are also claimed)	Related roles/positions
CE002	Construction equipment		
PM001	Pipeline project management fundamentals		
W001	Welding fundamentals		
W002	AS 2885.2 – Key concepts and application	W001	
W003	AS 3992 and ASME IX – Key concepts and application	W001	
HC001	Hydrotesting, commissioning and preparation for operations fundamentals	IB002, DP001, DP002, AM001	
AM001	AS 2885.3 - Key concepts and application	IB002	
AM002	Asset management fundamentals		
OP001	Pipeline operation fundamentals	GE005, GE007, IB002, DP001, AM001	
OP006	Pipeline repairs fundamentals	OP001	
PS001	Pipeline management systems fundamentals	IB002, IB004, SM001, RA001, EH001, AM001, AM002, OP001	
PP001	Key concepts in Standards for design, construction and operation of plastics pipe	IB005	
PP002	Fundamentals of plastics pipe design	GE013	
PP008	Fundamentals of plastics pipe construction	PP001, CE001	
PP012	Welding and jointing for plastics pipe fundamentals	PP001, PP008	
PP015	Fundamentals of operations of plastics pipe systems	PP001	
CP001	Composite pipe fundamentals		
<b>ELECTIVE OR SPECIALIST COMPETENCIES (minimum of ten – add rows to the table as required). Please also add the prerequisite competencies where relevant.</b>			

I verify that I have a reasonable basis to believe the candidate has met the requirements of the claimed competencies.

Verified by: ..... Signature..... Date .....

Verified by: ..... Signature..... Date .....

## Verifier information

<b>Verifier name</b>	<b>Current position</b>	<b>Professional qualifications</b> (Degree, CPEng, etc)	<b>Contact details</b> (Phone, email, address)



