

Network Construction Operations (Gas)

Pathway Specification

The following document details the mandatory and additional units leading to registration on the EUSR Network Construction Operations (Gas) scheme. Completion of the mandatory units under a pathway along with a group of additional units will lead to the registration category indicated alongside the additional units. Registration categories will now show the pathway completed, e.g. NCO (Gas) Service Layer (Self-Lay).

Self-Lay Pathway Unit Requirements

Mandatory Units	
201 Create an efficient and effective environment in Utilities Network Construction	
202 Maintain a safe and secure working environment in Utilities Network Construction	
203 Establish and maintain effective working relationships in Utilities Network Construction	
205 Install equipment for safe working on sites for Utilities Network Construction	
206 Locate and avoid supply apparatus for Utilities Network Construction	
207 Excavate and maintain holes and trenches for Utilities Network Construction	
209 Operate powered tools and equipment for routine and predictable requirements on Utilities Network Construction	
210 Join materials by electrofusion processes on Utilities Network Construction	

Additional Units	
NCO (Gas) Service Layer	215 Conduct specified testing of Gas services 301 Install Gas services up to 63mm
NCO (Gas) Mains Layer up to 180mm	211 Joint materials by butt fusion processes on Utilities Network Construction, up to 180mm diameter 214 Conduct specified testing of Gas network engineering products or assets – mains 302 Install gas engineering products or assets up to 180mm
NCO (Gas) Mains Layer up to 355mm	Units for up to 180mm plus 212 Joint materials by butt fusion processes on Utilities Network Construction, above 180mm diameter 303 Install gas engineering products or assets above 180mm
NCO (Gas) Mains Layer 400mm and above	Units for up to 180mm and up to 355mm plus Letter from assessor stating training has covered 400mm and above

Distribution Pathway Unit Requirements

Mandatory Units

201 Create an efficient and effective environment in Utilities Network Construction
 202 Maintain a safe and secure working environment in Utilities Network Construction
 203 Establish and maintain effective working relationships in Utilities Network Construction
 204 Install equipment for safe working on the highway for Utilities Network Construction
 205 Install equipment for safe working on sites for Utilities Network Construction
 206 Locate and avoid supply apparatus for Utilities Network Construction
 207 Excavate and maintain holes and trenches for Utilities Network Construction
 209 Operate powered tools and equipment for routine and predictable requirements on Utilities Network Construction
 210 Join materials by electrofusion processes on Utilities Network Construction

Additional Units

NCO (Gas) Service Layer	215 Conduct specified testing of Gas services 301 Install Gas services up to 63mm
NCO (Gas) Mains Layer up to 180mm	211 Joint materials by butt fusion processes on Utilities Network Construction, up to 180mm diameter 214 Conduct specified testing of Gas network engineering products or assets – mains 216 Conduct specified connections to gas network mains and commissioning 302 Install gas engineering products or assets up to 180mm
NCO (Gas) Mains Layer up to 355mm	Units for up to 180mm plus 212 Joint materials by butt fusion processes on Utilities Network Construction, above 180mm diameter 303 Install gas engineering products or assets above 180mm
NCO (Gas) Mains Layer 400mm and above	Units for up to 180mm and up to 355mm plus Letter from assessor stating training has covered 400mm and above
NMO (Gas) Escape, Locate & Repair	217 Restore Gas network components to operational condition by repair 218 Conduct specified testing of Gas networks associated with leakage location 304 Minimise risks to life, property and the environment during Gas escapes 305 Analyse and interpret the results of surveys to determine the location of gas escapes

Repair & Maintenance Pathway Unit Requirements

Mandatory Units

201 Create an efficient and effective environment in Utilities Network Construction
 202 Maintain a safe and secure working environment in Utilities Network Construction
 203 Establish and maintain effective working relationships in Utilities Network Construction
 204 Install equipment for safe working on the highway for Utilities Network Construction
 205 Install equipment for safe working on sites for Utilities Network Construction
 206 Locate and avoid supply apparatus for Utilities Network Construction
 207 Excavate and maintain holes and trenches for Utilities Network Construction
 209 Operate powered tools and equipment for routine and predictable requirements on Utilities Network Construction
 210 Join materials by electrofusion processes on Utilities Network Construction
 217 Restore Gas network components to operational condition by repair
 218 Conduct specified testing of Gas networks associated with leakage location
 304 Minimise risks to life, property and the environment during Gas escapes
 305 Analyse and interpret the results of surveys to determine the location of gas escapes

Additional Units

NCO (Gas) Service Layer	215 Conduct specified testing of Gas services 301 Install Gas services up to 63mm
NCO (Gas) Mains Layer up to 180mm	211 Joint materials by butt fusion processes on Utilities Network Construction, up to 180mm diameter 214 Conduct specified testing of Gas network engineering products or assets – mains 216 Conduct specified connections to gas network mains and commissioning 302 Install gas engineering products or assets up to 180mm
NCO (Gas) Mains Layer up to 355mm	Units for up to 180mm plus 212 Joint materials by butt fusion processes on Utilities Network Construction, above 180mm diameter 303 Install gas engineering products or assets above 180mm
NCO (Gas) Mains Layer 400mm and above	Units for up to 180mm and up to 355mm plus Letter from assessor stating training has covered 400mm and above

Completion of this pathway includes registration for NMO (Gas) Escape, Locate & Repair.