

Network Construction Operations (Water)

Pathway Specification

The following document details the mandatory and additional units leading to registration on the EUSR Network Construction Operations (Water) 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 (Water) Service Layer (Self-Lay).

Self-Lay Pathway Unit Requirements

Mandatory Units	
201	Create an efficient and effective 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
220	Maintain a safe and secure working environment on Water Network Construction
223	Join materials by mechanical means on Water Network Construction

Additional Units	
NCO (Water) Service Layer	224 Install water services up to 50mm nominal bore or 63mm polyethylene
NCO (Water) Mains Layer up to 180mm	210 Join materials by electrofusion processes on utilities network construction 211 Joint materials by butt fusion processes on Utilities Network Construction, up to 180mm diameter 225 Install water mains up to 150mm nominal bore or 180mm polyethylene
NCO (Water) Mains Layer up to 315mm	Units for up to 180mm plus 222 Joint materials by butt fusion processes between 180mm and 315mm for utilities network construction 226 Install water mains from 150mm-300mm nominal bore or 180mm-315mm polyethylene

NCO (Water) Mains Layer 315mm and above	Units for up to 180mm and up to 315mm plus 221 Joint materials by butt fusion processes above 315mm for utilities network construction 227 Install water mains above 300mm nominal bore or 315mm polyethylene
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Distribution Pathway Unit Requirements

Mandatory Units	
201	Create an efficient and effective 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
220	Maintain a safe and secure working environment on Water Network Construction
223	Join materials by mechanical means on Water Network Construction

Additional Units	
NCO (Water) Service Layer	224 Install water services up to 50mm nominal bore or 63mm polyethylene
NCO (Water) Mains Layer up to 180mm	210 Join materials by electrofusion processes on utilities network construction 211 Joint materials by butt fusion processes on Utilities Network Construction, up to 180mm diameter 225 Install water mains up to 150mm nominal bore or 180mm polyethylene
NCO (Water) Mains Layer up to 315mm	Units for up to 180mm plus 222 Joint materials by butt fusion processes between 180mm and 315mm for utilities network construction 226 Install water mains from 150mm-300mm nominal bore or 180mm-315mm polyethylene
NCO (Water) Mains Layer 315mm and above	Units for up to 180mm and up to 315mm plus 221 Joint materials by butt fusion processes above 315mm for utilities network construction 227 Install water mains above 300mm nominal bore or 315mm polyethylene

Repair & Maintenance Pathway Unit Requirements

Mandatory Units

201 Create an efficient and effective 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
 220 Maintain a safe and secure working environment on Water Network Construction
 223 Join materials by mechanical means on Water Network Construction
 224 Install water services up to 50mm nominal bore or 63mm polyethylene
 229 Restore water network components to operational condition by repair

Additional Units

NCO (Water) Service Layer	No additional units available, completion of mandatory units will cover this endorsement
NCO (Water) Mains Layer up to 180mm	211 Joint materials by butt fusion processes on Utilities Network Construction, up to 180mm diameter 225 Install water mains up to 150mm nominal bore or 180mm polyethylene
NCO (Water) Mains Layer up to 315mm	Units for up to 180mm plus 222 Joint materials by butt fusion processes between 180mm and 315mm for utilities network construction 226 Install water mains from 150mm-300mm nominal bore or 180mm-315mm polyethylene
NCO (Water) Mains Layer 315mm and above	Units for up to 180mm and up to 315mm plus 221 Joint materials by butt fusion processes above 315mm for utilities network construction 227 Install water mains above 300mm nominal bore or 315mm polyethylene