

CIWEM UDG Competency Framework Attainment Sheet



Name :

Role :

Mandatory Competence Detail		Level of Attainment					Description and Comments
Reference	Description	1	2	3	4	5	
1	Legislative Framework and Funding						
1.1	Legislation	Y					
1.2	Regulation						
1.3	Funding and Investment						
1.4	Business Planning						
1.5	Change Management & Future Challenges						
2	Stakeholder Engagement						
2.1	Stakeholders & Customers						
2.2	Customer Interactions						
2.3	Public Relations						
2.5	Stakeholder Interactions						
3	Planning, Risk & Serviceability						
3.1	Sewerage Risk Management						
3.2	Risk Assessment & Planning						
3.3	Customer Impacts						
3.4	Environmental Impacts						
3.5	Asset Deterioration						
3.6	Model Concepts						
3.7	Levels of Service						
4	Integrated Urban Drainage						
4.1	Major and Minor Systems						
4.2	Hydrology						
4.3	SuDS						
4.4	Exceedance						
4.5	Hydraulics						
5	Data Collection and Management						
5.1	Asset Management						
5.2	Sources of Information						
5.3	Data Collection						
5.4	Stakeholder Data Sharing						
6	Hydraulic Modelling						
6.1	1D Model Building						
6.2	Hydraulic Verification						
6.3	Water Quality Verification						
6.4	2D Modelling						
6.5	IUD Modelling						
6.6	Risk Modelling						
6.7	Model Use						
7	Feasibility and Catchment Strategy						
7.1	Feasibility Assessment						
7.2	Risk based interventions						
7.3	Developing Catchment Strategy						
7.4	TOTEX Investment Plans						
8	Engineering Design and Construction						
8.1	Design Standards & C of P (CDM)						
8.2	Knowledge of Materials						
8.3	Construction Techniques and Build-ability						
8.4	Operability						
8.5	Carbon Footprint						
9	Health & Safety, Environmental and Quality.						
9.1	Concepts and Legislation						
9.2	Health and Safety						
9.3	Risk Assessment						
9.4	Sustainability and Environmental Impact						
9.5	Quality Management						
10	Management						
10.1	Line Management						
10.2	Project Management						
10.3	Programming						
10.4	Contracts						
11	General Skills						
11.1	Technical Software						
11.2	GIS						
11.3	Report Writing						
11.4	Communication Skills						
11.5	History of the Urban Drainage Group						
11.6	History of the Water Industry						
11.7	Maths						

CIWEM UDG Competency Framework - Core Competency Attainment Sheet



Name :

Role :

Mandatory Competence Detail		Level of Attainment					Description and Comments
Reference	Description	1	2	3	4	5	
1	Legislative Framework and Funding						
1.1	Legislation	Y					
1.2	Regulation						
1.3	Funding and Investment						
1.5	Change Management						
2	Stakeholder Engagement						
2.1	Stakeholders & Customers						
2.5	Stakeholder Interactions						
3	Planning, Risk & Serviceability						
3.2	Risk Assessment & Planning						
3.3	Customer Impacts						
3.4	Environmental Impacts						
3.6	Model Concepts						
3.7	Levels of Service						
4	Integrated Urban Drainage						
4.1	Major and Minor Systems						
4.4	Exceedance						
5	Data Collection and Management						
5.2	Sources of Information						
5.3	Data Collection						
6	Hydraulic Modelling						
6.1	1D Model Building						
6.2	Hydraulic Verification						
6.7	Model Use						
7	Feasibility and Catchment Strategy						
7.1	Feasibility Assessment						
7.2	Risk based interventions						
7.3	Developing Catchment Strategy						
8	Engineering Design and Construction						
8.3	Construction Techniques and Build-ability						
9	Health & Safety, Environmental and Quality.						
9.1	Concepts and Legislation						
9.2	Health and Safety						
9.3	Risk Assessment						
9.4	Sustainability and Environmental Impact						
9.5	Quality Management						
10	Management						
10.1	Line Management						
10.2	Project Management						
11	General Skills						
11.1	Technical Software						
11.2	GIS						
11.3	Report Writing						
11.4	Communication Skills						