

WASH Technical Competency Framework

Domain	Tier A - Demonstrate Knowledge of...	Tier B - Able to carry out	Tier C - Able to design and evaluate
WASH and Health	Demonstrate knowledge of key concepts of WASH-related diseases and transmission routes, in particular diarrhoeal and infectious diseases, and SPHERE standards for WASH response, including epidemics.	Determine the main public and environmental health threats to the affected population and WASH activities to reduce public health risk and respond appropriately.	Design and evaluate WASH response program to a public and/or environmental health risk.
WASH Surge Mechanisms	Demonstrate knowledge of key concepts of availability and how to access RCRC Movement tools for WASH response, including ERUs, Disaster Response Kits, and Rapid Response Teams.	Use RCRC Movement tools for WASH Response, including ERUs, Disaster Response Kits, and Rapid Response Teams.	Identify the need for WASH response tools and adjust tools as necessary to meet needs.
Hygiene Promotion	Demonstrate knowledge of key concepts of hygiene promotion concepts and tools, including the IFRC WASH guidelines for hygiene promotion in emergency operations	Implement high quality hygiene promotion programme which adhere to IFRC WASH guidelines for hygiene promotion in emergencies.	Design hygiene promotion programme and evaluate the outcomes.
WASH and Inclusion	Demonstrate knowledge of key concepts of disability, gender and vulnerable considerations in WASH hardware and software activities including the design of WASH facilities.	Implement disability, gender and vulnerable considerations in WASH hardware and software activities, including the design of WASH facilities .	Design and evaluate WASH programmes with disability, gender and vulnerable considerations in WASH hardware and software activities, including the design of WASH facilities.
Menstrual Hygiene Management	Demonstrate knowledge of key concepts of Menstrual Hygiene Management (MHM) and incontinence in response context.	Implement high quality MHM activities which adhere to IFRC guidelines and tools for MHM	Design and evaluate WASH programmes that integrate MHM into all relevant programme components, including solid waste management, infrastructure and hygiene promotion.
Water Supply	Demonstrate knowledge of key concepts of water supply planning and design, including pump selection, trucking and network design	Design and establish water supply systems	Design and evaluate water supply programmes

Household Water Treatment and Safe Storage	Demonstrate knowledge of key concepts of household water treatment and safe storage (HWTS)	Implement HWTS activities	Design and evaluate HWTS programmes.
Hydrogeology	Demonstrate knowledge of key concepts of hydrogeology	Collect and analyse hydrogeological data to inform the design and construct water supply systems	Design and evaluate programmes with significant and complex hydrogeology needs
Water Quality Testing	Demonstrate knowledge of key concepts of water quality testing for water treatment	Implement water quality testing for water treatment	Design and evaluate water quality testing and utilize results for improved water treatment
Bulk Water Treatment	Demonstrate knowledge of key concepts of bulk water treatment technologies and of water chemistry and application for water treatment.	Implement bulk water treatment activities	Design and evaluate bulk water treatment programmes
Excreta Disposal	Demonstrate knowledge of key concepts of excreta disposal including option identification, quantifying needs, stakeholder consultation, technical feasibility and addressing vulnerability.	Implement excreta disposal activities including option identification, quantifying needs, stakeholder consultation, technical feasibility, addressing vulnerability design and construction	Design and evaluate excreta disposal programmes
Faecal Sludge Management	Demonstrate knowledge of key concepts of faecal sludge management including option identification, quantifying needs, stakeholder consultation, technical feasibility and addressing vulnerability.	Implement faecal sludge management activities including option identification, quantifying needs, stakeholder consultation, technical feasibility, addressing vulnerability design and construction	Design and evaluate faecal sludge management programmes
Faecal Sludge and Wastewater Quality Testing	Demonstrate knowledge of key concepts of sludge and wastewater quality testing for risk reduction and process control	Implement sludge and wastewater quality testing for risk reduction and process control	Manage and evaluate sludge and wastewater quality testing for risk reduction and process control
Solid Waste	Demonstrate knowledge of key concepts of solid waste management, including waste streams, management systems, handling, storage, transportation, treatment, disposal, recycling, health and safety and community engagement /local authorities.	Implement solid waste disposal activities	Design and evaluate solid waste disposal programmes that ensure solid waste management strategies are effective across household and community levels and address environmental, public health and safety risk and long-term sustainability.

Drainage	Demonstrate knowledge of key concepts of drainage considerations and risks pertinent across WASH interventions, including; infrastructure drainage requirements, vector control, excreta management and flood mitigation measures.	Implement WASH systems and infrastructure to include drainage from the outset including construction management.	Design and evaluate WASH programmes with substantial drainage activities
Vector Control	Demonstrate knowledge of key concepts of vectors, transmission routes, signs and symptoms of common vector borne diseases (VBD), vector control activities and understanding the limitations of their capacity and role and know when to refer to others	Implements vector control activities	Designs and evaluate vector control programmes
Urban WASH	Demonstrate knowledge of key concepts of urban WASH, including engagement with municipal and private sector service providers.	Implement urban WASH activities	Design and evaluate urban WASH programmes.
Institutional WASH	Demonstrate knowledge of key concepts of WASH in institutions	Implement WASH in institutions activities	Design and evaluate WASH in institutions programmes.
WASH Market Assessment	Demonstrate knowledge of key concepts of market assessment for WASH activities, including engagement with the private sector,	Implement market assessment activities for WASH activities	Design and evaluate market assessment for WASH programming
WASH Procurement	Demonstrate knowledge of key concepts of WASH procurement, including contractor protocols, tendering and management	Implement WASH procurement	Evaluate WASH procurement
Cross Cutting WASH	Demonstrate knowledge of key concepts of the processes of shelter, nutrition, and cash and market-based programming in WASH responses.	Implement WASH program with substantial cross cutting elements..	Design and evaluate WASH program with substantial cross cutting elements.