

Rescue 3 International Water Rescue Standard



Rescue
3
International

The world leader in water and rope rescue education since 1979

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Rescue 3 International

Water Rescue Training Standard

1. Rescue 3 philosophy

- 1.1 Recall the steps required in order to develop judgment.
- 1.2 Explain the order of priorities at a water rescue scene

2. Training standards

- 2.1 Recognize the different training courses within the Rescue 3 scheme
- 2.2 Recall the remit and role of an individual trained to this level
- 2.3 State how the Rescue 3 scheme fits within national and international standards
- 2.4 State how the Rescue 3 scheme fits within agency policy and agency standard operating guidelines

3. Best Practice Guidelines

- 3.1 Apply the Best Practice Guidelines to produce safer working practice

4. Hydrology and water hazards

- 4.1 Recall the definitions of basic water, moving water, coastal water, swiftwater and whitewater
- 4.2 Identify the effect that volume, gradient and obstacles have on water
- 4.3 Identify water features, hazards, and suitable control measures
- 4.4 Describe the impact that water features would have on individual's ability to self-rescue and perform rescues
- 4.5 Identify general water hazards, and suitable control measures
- 4.6 Identify water hazards in a basic water environment, and suitable control measures
- 4.7 Identify water hazards in a moving water environment, and suitable control measures
- 4.8 Identify water hazards in a coastal water environment, and suitable control measures

5. Floodwater dynamics and hazards

- 5.1 Identify the physical impact of water flowing within an urban area
- 5.2 Identify contributing factors to physical, chemical and biological hazards within flooding
- 5.3 Explain the effect of physical, chemical and biological hazards on personnel in floodwater

6. Flood theory

- 6.1 Identify the four phases of a flood, and the associated hazards
- 6.2 Identify how flood warnings will correspond with phases of flooding
- 6.3 State what tasks an individual trained to this level would carry out during the phases of a flooding event

7. Personal equipment

- 7.1 Identify personal protective equipment (PPE) for operating and performing rescues in water
- 7.2 Describe the issues and hazards of using non-water rescue PPE in the water
- 7.3 Select appropriate PPE for operating and performing rescues in water, perform pre-use checks, donning and buddy checks
- 7.4 Recall post-use care and inspection procedures for personal equipment

8. Rescue Equipment Considerations

- 8.1 Identify equipment used by water rescue teams

9. Technical and Team equipment

- 9.1 Identify technical and team equipment for operating in and performing rescues in water
- 9.2 Recall post-use care and inspection procedures for technical and team equipment

I0. Pre-planning

- I0.1 List the four components of a generic pre-plan
- I0.2 Identify sources of information useful for generic and task-/location-specific pre-planning
- I0.3 Describe key information that should be included within a pre-plan

I1. Risk assessments

- I1.1 Identify the elements of an effective generic and site-specific risk assessment
- I1.2 Perform a generic or site-specific risk assessment
- I1.3 Identify the elements of an effective dynamic risk assessment
- I1.4 Perform a dynamic risk assessment of a rescue site

I2. Incident size-up

- I2.1 Demonstrate use of size-up models
- I2.2 Explain the phases of a successful rescue
- I2.3 List rescue options
- I2.4 Explain the difference between true and conditional rescues
- I2.5 Perform an on-site safety brief based on risk assessments
- I2.6 Select an appropriate plan of action for a given incident

I3. Incident size-up (non-emergency services)

- I3.1 Appreciate use of size-up models by the emergency services
- I3.2 Explain the phases of a successful rescue
- I3.3 Perform an on-site safety brief based on risk assessment
- I3.4 List rescue options
- I3.5 Explain the difference between true and conditional rescues
- I3.6 Relative to the remit of co-worker rescue, select an appropriate plan of action for possible incidents

I4. Incident management and site control

- I4.1 Based on hazard recognition, apply appropriate control measures to protect personnel and bystanders at a rescue scene
- I4.2 Identify issues and hazards of bystanders in the cold zone
- I4.3 Apply different roles that may be allocated at a water incident
- I4.4 Collate relevant information in order to deliver structured messages regarding an incident
- I4.5 Apply a simple structure and centralized command, in order to brief and manage a team

I5. Site control (non-emergency services)

- I5.1 Based on hazard recognition, apply appropriate control measures to protect personnel and bystanders at a rescue scene
- I5.2 Identify issues and hazards of bystanders in the cold zone
- I5.3 Identify how and when to contact emergency services in the event of an incident

I6. Medical and decontamination considerations

- I6.1 Identify signs/symptoms and treatment for common medical issues found in a water environment, including: hypothermia, hyperthermia, drowning, infection, and trauma
- I6.2 Identify individuals at risk for common medical issues found in a water environment, and control measures to minimize this
- I6.3 Recall the importance of minimizing exposure to the water and decontamination procedures post-exposure
- I6.4 Identify bank hazards, and suitable control measures to prevent slips, trips and falls

I7. Considerations for night/poor visibility operations

- I7.1 Identify hazards associated with night/poor visibility operations, and suitable control measures
- I7.2 Identify types of lighting used within night operations

I8. Mud, ice and unstable surface considerations

- I8.1 Recall hazards associated with mud, ice and unstable surfaces, and suitable control measures
- I8.2 Identify equipment and techniques used within swiftwater rescue that would have application within mud, ice and unstable surface rescues

19. Introduction to searching rivers and floods

- 19.1 Identify appropriate search models
- 19.2 State what tasks an individual trained to this level would carry out during a river-based primary search
- 19.3 State what tasks an individual trained to this level would carry out during a river-based secondary search
- 19.4 State what tasks an individual trained to this level would carry out during a flood-based primary search
- 19.5 State what tasks an individual trained to this level would carry out during a flood-based secondary search

20. Search Considerations

- 20.1 Identify relevant information that should be passed on to search managers
- 20.2 Explain the importance of establishing a point last seen, time last seen, and search area.
- 20.3 Identify the variables that affect the search area.

21. Helicopter familiarization

- 21.1 Identify hazards and control measures associated with helicopters

22. Communications

- 22.1 Recognize hand signals that can be used in a water environment
- 22.2 Recognize whistle signals that can be used in a water environment
- 22.3 Identify other methods of communication in a water environment, and their limitations

23. Weir (low head dam) rescue considerations

- 23.1 Identify the hazards and control measures for both victim and rescuer in a hydraulic/weir
- 23.2 Identify weir rescue options

24. Introduction to rescues from vehicles in water

- 24.1 Identify reasons why vehicles end up in rivers and floodwater, and steps taken to reduce this
- 24.2 Describe the forces acting on a vehicle when in the water, and how these affect vehicle stability
- 24.3 Explain why and how a vehicle should be stabilized whilst in the water, and factors influencing this decision
- 24.4 Identify methods of accessing and egressing a vehicle in water
- 24.5 Identify factors affecting vehicle stability when extricating victims

25. Animal rescue considerations

- 25.1 Identify hazards and control measures associated with animal rescue
- 25.2 Identify transport considerations for animal rescue

26. Accidental immersion considerations

- 26.1 Identify hazards and control measures of accidental immersion in water
- 26.2 Recognize the importance of keeping feet up if swept away in moving water

27. Water entry and exit

- 27.1 Identify hazards and suitable control measures when entering and exiting the water
- 27.2 Identify a safe entry point to and exit point from the water
- 27.3 Demonstrate correct water entry to and exit from the water

28. Swimming techniques and self rescue in a basic water environment

- 28.1 Demonstrate the defensive swimming position
- 28.2 Demonstrate the aggressive swimming position
- 28.3 Transition between the defensive and aggressive swimming positions
- 28.4 Compare swimming and self-rescue ability in moving water in inflatable life jackets and PFDs
- 28.5 Apply swimming techniques and angle control in order to self-rescue

29. Swiftwater swimming techniques

- 29.1 Demonstrate the defensive swimming position
- 29.2 Demonstrate the aggressive swimming position
- 29.3 Transition between the defensive and aggressive swimming positions
- 29.4 Adjust body angle relative to the current vector
- 29.5 Apply swimming techniques, angle control and momentum to perform a variety of tasks

30. Strainer swim

- 30.1 Identify strainers and the hazards they pose to rescuers and casualties in the water
- 30.2 Identify rescue options for a victim in a strainer
- 30.3 Compare the defensive and aggressive swimming techniques when dealing with strainers
- 30.4 Using a strainer simulator, demonstrate the technique for swimming over the simulator

31. Conditional rescues - talk, reach, throw

- 31.1 Identify conditional rescue options and the limitations of conditional rescues
- 31.2 Identify, check and prepare suitable equipment for performing a conditional rescue
- 31.3 Identify appropriate sites where conditional rescues can be performed
- 31.4 Demonstrate the correct method for receiving a throwbag
- 31.5 Perform a variety of conditional rescues
- 31.6 Identify methods of managing force directed on rescuer and victim during a reach rescue as water speed increases

32. Shallow water techniques

- 32.1 Identify the variables and hazards that will directly affect shallow water techniques
- 32.2 Perform single and team-based shallow water techniques
- 32.3 Explain the application of tethered shallow water techniques
- 32.4 Explain how the addition of a victim would affect shallow water techniques

33. Tethered boat techniques

- 33.1 Compare the application and limitations of single-, 2- and 4-point tethered systems
- 33.2 Relate river flow, intended use and catastrophic failure consequences to anchor selection and belay methods for tethered boats
- 33.3 Use a tethered boat for transportation and mid-stream access

34. Inflated fire hose (if used by agency)

- 34.1 Identify agency use or non-use of inflated fire hose
- 34.2 Identify the hazards and control measures of working with compressed air
- 34.3 Inflate and deflate a section of hose, if used by agency
- 34.4 Perform conditional rescues with a fire hose in both basic and moving water environments, if used by agency
- 34.5 Identify inflated fire hose rescue options

35. Tensioned diagonals

- 35.1 Explain why it is important for a tensioned diagonal to be tensioned and at the correct angle to the current vector
- 35.2 Identify why the downstream end of a tensioned diagonal must be releasable
- 35.3 Demonstrate appropriate use of a tensioned diagonal

36. Line crossing methods

- 36.1 Identify the variables that would influence methods for crossing a line over a channel
- 36.2 Identify appropriate methods of crossing a line over a channel
- 36.3 Demonstrate a variety of methods of crossing a line over a channel

37. True rescues in basic water

- 37.1 Identify the hazards and control measures associated with an untethered swim in a basic water environment
- 37.2 Identify the hazards and control measures associated with a tethered swim in a basic water environment

38. True rescues in moving water - tethered

- 38.1 Identify the hazards and control measures associated with a tethered swim in a moving water environment
- 38.2 Set-up and demonstrate an in-water emergency release using the quick release harness on a Personal Flotation Device (PFD)
- 38.3 Identify how water speed and distance will affect timing of a tethered swim
- 38.4 Demonstrate a true rescue using a tethered swim
- 38.5 Demonstrate correct rope management when performing a tethered rescue

39. Introduction to paddle boat handling

- 39.1 Identify agency use or non-use of paddle boats
- 39.2 Identify the importance of correct trim and power distribution
- 39.3 Be able to paddle forwards, backwards and turn
- 39.4 Recognize the importance of applying angle before forward momentum
- 39.5 Apply simple command within the boat, in order to achieve simple objectives

40. Boat unwrapping

- 40.1 Identify methods to minimize the likelihood of a wrapped boat
- 40.2 Identify how the movement of weight may help to unbalance a wrapped boat
- 40.3 Recall the application of rope systems for evacuating a wrapped boat, and unwrapping

41. Flips and rights

- 41.1 Identify steps to minimize the likelihood of a flip occurring
- 41.2 Recall the sequence once a boat has flipped
- 41.3 Explain options for whether to re-flip, and variables that would affect this choice
- 41.4 Perform a re-flip and recovery
- 41.5 Perform crew and victim recovery into a boat
- 41.6 Identify victim placement on a boat

42. People and equipment entrapments

- 42.1 Identify the hazards and consequences of foot and body entrapments, and control measures to reduce likelihood
- 42.2 Identify extrication methods of an entrapped victim
- 42.3 Identify risks to the rescuers of an entrapped victim
- 42.4 On dry land, demonstrate use of stabilization line and extrication methods from one and two banks
- 42.5 Compare the merits and hazards of using hands-on techniques, when approaching from upstream and downstream

43. Victim management

- 43.1 Identify hazards and control measures associated with victim management in a moving water environment
- 43.2 Identify appropriate PPE for victims
- 43.3 Identify priorities for managing victims' common medical issues
- 43.4 Demonstrate techniques for managing casualties' common medical issues, including airway and C-spine
- 43.5 Demonstrate tactics that can be utilized to prevent getting grabbed by the subject

44. Knots and anchor systems

- 44.1 Be able to identify, tie and check appropriate knots for water rescue
- 44.2 Recall factors affecting knot choice for water rescue applications
- 44.3 Identify use of anchor systems in water rescue
- 44.4 Be able to select an appropriate single anchor point, and create an attachment point
- 44.5 Tie load-sharing and load-distributing anchor systems

45. Tensioning systems and mechanical advantage

- 45.1 Identify the need for mechanical advantage systems within swiftwater rescue
- 45.2 Identify why external mechanical advantage systems are applied
- 45.3 Build and check appropriate internal and external mechanical advantage systems for use within swiftwater rescue

46. Belay systems

- 46.1 Demonstrate appropriate use and application of friction-based and mechanical belay devices
- 46.2 Identify considerations for choosing a belay

47. Scenarios

- 47.1 Complete a river rescue scenario

48. Rescue platforms, sleds and boards

- 48.1 Identify the hazards and control measures associated with the use of rescue platforms, sleds, and boards
- 48.2 Demonstrate appropriate use of rescue platforms, sleds and boards
- 48.3 Demonstrate appropriate rope attachment when using rescue platforms, sleds and boards
- 48.4 Demonstrate correct rope management when using rescue platforms, sleds, and boards

49. Masks, fins, and floating rescue devices

- 49.1 Identify the hazards and control measures associated with the use of masks, fins and floating rescue devices
- 49.2 Identify agency use or non-use of masks, fins and floating rescue devices
- 49.3 Demonstrate appropriate use of masks, fins and floating rescue devices, if used by agency

50. Dynamic risk assessment and incident size-up

- 50.1 Identify the elements of an effective dynamic risk assessment
- 50.2 Perform a dynamic risk assessment of a complex rescue site
- 50.3 Perform an on-site safety brief based on risk assessments
- 50.4 Select an appropriate plan of action for a given complex incident

51. Advanced Incident Management and Site Control

- 51.1 Apply different roles that may be allocated at a water incident
- 51.2 Collate relevant information in order to deliver structured messages regarding an incident
- 51.3 Apply a simple structure and centralized command, in order to brief and manage a team

52. Advanced Hydrology

- 52.1 Describe the effect that volume, gradient and obstacles have on water
- 52.2 Identify water features and hazards at a complex rescue site
- 52.3 Describe the impact that water features would have on individual's ability to self-rescue and perform rescues
- 52.4 Apply necessary site control measures based on the identified water features and hazards

53. Weir (low-head dam) assessment and pre-planning

- 53.1 Identify the key features that can make a hydraulic/weir dangerous, and their impact on both victim and rescuer
- 53.2 Perform a Rescue 3 weir risk assessment
- 53.3 Relate the Rescue 3 weir risk assessment to rescue options

54. Aqueduct hazards and techniques

- 54.1 Identify the hazards and control measures associated with rescues from aqueducts
- 54.2 Identify rescue options for a victim in an aqueduct
- 54.3 Identify the hazards and control measures associated with rescues from culverts and depth pressure hazards

55. Introduction to search management

- 55.1 Demonstrate use of appropriate search models
- 55.2 Collate information gathered in the primary phase of a water search
- 55.3 Calculate a search area based on a given scenario
- 55.4 Assign tasks to individuals during a river-based search
- 55.5 Assign tasks to individuals during a flood-based search

56. Technical Rope Rescue Review

- 56.1 Identify, tie and check appropriate knots for swiftwater rescue
- 56.2 Recall factors affecting knot choice for swiftwater rescue applications
- 56.3 Select appropriate anchor points and/or systems for task
- 56.4 Select an appropriate belay method for task
- 56.5 Select, build and check appropriate mechanical advantage systems for use within advanced swiftwater rescue

57. Advanced swiftwater swimming techniques

- 57.1 Select swimming techniques, angle control and momentum to perform a variety of tasks in moving water

58. Advanced conditional rescues - talk, reach, throw

- 58.1 Work as a team to perform multiple and complex rescues using conditional rescue techniques

59. Advanced true rescues - tethered

- 59.1 Work as a team to perform multiple and complex rescues using true rescue techniques

60. Advanced entrapment techniques

- 60.1 Describe the hazards and consequences of foot and body entrapments, and control measures to reduce likelihood
- 60.2 Identify extrication methods of an entrapped victim at a complex rescue site
- 60.3 Identify risks to the rescuers of an entrapped victim at a complex rescue site
- 60.4 Demonstrate on dry land the use of stabilization line and extrication methods from one and two banks
- 60.5 Compare the merits and hazards of using hands-on techniques, when approaching from upstream and downstream

61. Highline rope systems or complicated technical rope evolution

- 61.1 Recall pretensioning and tie-back methods for setting up a highline or other steep to high angle evacuation problem
- 61.2 Recall critical angles and their affect on highlands and/or high directionals
- 61.3 Build and operate a highline or steep to high angle evolution that incorporates raising and lowering, litter management, and other challenges in high angle environments that occur in a swiftwater environment
- 61.4 Perform a midpoint drop on highline, or raising and lowering operation with multiple evolutions

62. Tethered boats in high energy water

- 62.1 Identify the limitations of hand-controlled tethers for boats
- 62.2 Construct tethered boat solutions that increase the system's ability to deal with force and increase redundancy
- 62.3 Build and operate a tethered boat system
- 62.4 Compare boat on a highline reeving options and variables that would affect their application

63. Boat based litter management

- 63.1 Identify when to use a litter in a boat
- 63.2 Identify the different types of litters used for boat-based transport
- 63.3 Identify risks of strapping a victim into litter/boat
- 63.4 Identify best placement and securing of litter within different boat types
- 63.5 Perform loading and transferring of a litter from shallow and deep water into rescue boat

64. In-water litter management

- 64.1 Identify when to utilize a litter in a water environment
- 64.2 Identify risks of strapping a victim into litter to be transported in a water environment
- 64.3 Compare techniques for moving litters around in the water

65. Search exercise

- 65.1 Perform a primary search
- 65.2 Segment a search area, based on information gathered
- 65.3 Redeploy to perform a secondary search

66. Night/poor visibility operation

- 66.1 Identify hazards associated with night/poor visibility operations, and apply suitable control measures
- 66.2 Perform a risk assessment and operate at night/in poor visibility

67. Crew recovery

- 67.1 Identify reasoning behind team/self-rescue ability into boat
- 67.2 Perform team-based rescue (or self-rescue) over sponson while in deep water
- 67.3 Perform recovery, starting from all crew members in deep water

68. Victim recovery

- 68.1 Identify the use of parbuckling techniques
- 68.2 Explain methods of victim retrieval in to boats

69. Guidance and best practice documents

- 69.1 Identify important components of local, regional, and national flood rescue documentation and procedures

70. Management of rescues from vehicles in water

- 70.1 Recall the six phases of a rescue from vehicle in water
- 70.2 Recall the hazards and control measures associated with vehicles in water
- 70.3 Recall why a vehicle may enter the water
- 70.4 Recall how a vehicle orients itself with relation to flow
- 70.5 Describe the hydrology of a vehicle in water
- 70.6 Recall how a vehicle behaves in deep water
- 70.7 Recall the forces affecting a vehicle in water
- 70.8 Identify issues of casualty management from a rescue from vehicle in water
- 70.9 List extrication options
- 70.10 Identify other assets that can assist in casualty extrication

71. Pre-planning for flood incidents

- 71.1 List the four components of a generic pre-plan
- 71.2 Identify sources of information useful for generic and task-/location-specific pre-planning
- 71.3 Describe key information that should be included within a pre-plan
- 71.4 Describe the implications of pre-deployment of assets
- 71.5 Describe the role of regional organizations in relation to pre-planning activity

72. Welfare Considerations

- 72.1 State the requirements for welfare considerations during extended flooding operations
- 72.2 Recall the difficulties in attaining accommodation and subsistence during extended flooding operations
- 72.3 Recall national considerations for reimbursement of agencies

73. Management of powered boat operations

- 73.1 Describe the major hull types applicable to flood rescue
- 73.2 Describe how the four phases of flooding relate to boat choice
- 73.3 Describe logistical and maintenance considerations for extended flooding operations
- 73.4 Describe boat capabilities

74. Weather and flood warning information

- 74.1 Demonstrate how to use online responder-based weather risk facilities
- 74.2 State how online weather data can be used to influence pre-deployment and pre-planning decision making
- 74.3 Identify sources of regional, national, and international weather and river/flood warning information

75. Local emergency flood plans

- 75.1 Identify sources of local flood plans
- 75.2 Describe the key components of local emergency flood plan

76. Multi-agency command and control considerations

- 76.1 Describe how a multi-agency command structure can evolve
- 76.2 Describe the information pathway through a multi-agency command structure
- 76.3 Identify the hazards and control measures associated with spate call handling

77. Team typing and deployment of national assets

- 77.1 Recall the components of flood team types
- 77.2 Relate the Rescue 3 International training levels to team types
- 77.3 State the regional and national methodology of requesting national assets

78. Flood management exercise

- 78.1 Prepare a hypothetical flood plan
- 78.2 Use the flood plan to pre-plan a hypothetical flooding event, based on exercise injects
- 78.3 Respond to the hypothetical flooding event
- 78.4 Conduct a briefing to a hypothetical incident commander during handover
- 78.5 Debrief the hypothetical incident

79. Vehicle behavior in water

- 79.1 Recall why a vehicle may enter the water
- 79.2 Recall how a vehicle orients itself with relation to flow
- 79.3 Describe the hydrology of a vehicle in water
- 79.4 Recall how a vehicle behaves in deep water
- 79.5 Recall the forces affecting a vehicle in water
- 79.6 Recall the hazards and control measures associated with the upstream and downstream side of a vehicle in water

80. Incident size-up for rescues from vehicles in water

- 80.1 Demonstrate use of size-up models
- 80.2 Perform an on-site safety brief based on risk assessments of a vehicle rescue in water
- 80.3 List rescue options from a vehicle in water
- 80.4 Select an appropriate plan of action for a given incident

81. Incident management for rescues from vehicles in water

- 81.1 Based on hazard recognition, apply appropriate control measures to protect personnel and bystanders at a rescue from vehicle in water
- 81.2 Apply different roles that may be allocated at a vehicle in water incident
- 81.3 Collate relevant information in order to deliver structured messages regarding a vehicle in water incident
- 81.4 Apply a simple structure and centralized command in order to brief and manage a team
- 81.5 Recall the six phases of a rescue from vehicle in water

82. Glass management

- 82.1 Identify hazards and apply control measures associated with vehicle glass

83. Personal equipment for rescues from vehicles in water

- 83.1 Identify personal protective equipment (PPE) for operating and performing rescues from vehicles in water
- 83.2 Select appropriate PPE for operating and performing rescues from vehicles in water, perform pre-use checks, donning and buddy checks
- 83.3 Recall post-use care and inspection procedures for personal equipment

84. Medical and decontamination considerations for rescues from vehicles in water

- 84.1 Identify signs/symptoms and treatment for common medical issues found at a rescue from a vehicle in water
- 84.2 Recall the importance of minimizing exposure to the water and decontamination procedures post-exposure
- 84.3 Identify bank hazards and suitable control measures to prevent slips, trips, and falls

85. Anchors - vehicle and bank

- 85.1 Identify suitable anchor points on the vehicle
- 85.2 Identify suitable anchor points on the bank
- 85.3 Identify appropriate equipment for a rescue from vehicle in water
- 85.4 Construct anchor systems for rescues from vehicles in water

86. Vehicle stabilization

- 86.1 Identify factors affecting vehicle stabilization during a rescue from vehicle in water
- 86.2 Recall the implications on vehicle stabilization of single and twin bank access techniques

87. Victim extrication

- 87.1 Identify issues of victim management from a rescue from vehicle in water
- 87.2 List extrication options
- 87.3 Identify other assets that can assist in victim extrication

88. Shallow water techniques for rescues from vehicles in water

- 88.1 Identify the hazards and control measures that will directly affect shallow water techniques for a rescue from a vehicle in water
- 88.2 Perform single and team-based shallow water techniques for rescues from vehicles in water
- 88.3 Perform tethered shallow water techniques
- 88.4 Perform shallow water techniques with a casualty, during a rescue from a vehicle in water

89. Pendulum extrication

- 89.1 Identify when a pendulum extrication would be used, its hazards, and control measures
- 89.2 Perform a pendulum extrication

90. Tensioned diagonals for rescues from vehicles in water

- 90.1 Explain why it is important for a tensioned diagonal to be tensioned and at the correct angle to the current vector
- 90.2 Identify why the downstream end of a tensioned diagonal must be releasable
- 90.3 Demonstrate appropriate use of a tensioned diagonal for a rescue from a vehicle in water

91. Tethered boat techniques for rescues from vehicles in water

- 91.1 Compare the application and limitations of single-, 2-, and 4-point tethered systems
- 91.2 Relate river flow, intended use and catastrophic failure consequences to anchor selection and belay methods for tethered boats
- 91.3 Use a tethered boat for a rescue from vehicle in water

92. Single bank extended platform

- 92.1 Identify when a single bank extended platform would be used, its hazards, and control measures
- 92.2 Rig a single bank extended platform
- 92.3 Application of ferry angle to access the vehicle and recover the patient

93. Inflatable Lifejacket types and standard

- 93.1 Identify types of inflatable lifejacket, their merits and limitations
- 93.2 Identify national and international inflatable lifejacket standards

94. Firing mechanisms

- 94.1 Identify types of firing mechanism, their merits and limitations

95. Selection and correct fitting of inflatable lifejacket

- 95.1 Select appropriate inflatable lifejacket for intended task
- 95.2 Identify additional inflatable lifejacket accessories for intended task

96. Sizing considerations

- 96.1 Perform a buddy check of a inflatable lifejacket user

97. Adaptation of inflatable lifejackets for high-risk areas and tasks

- 97.1 Identify hazards associated with accidental deployment in a variety of high risk areas and tasks, and suitable control measures
- 97.2 Identify the hazards and merits of auto vs manual inflation in a variety of high risk areas and tasks

98. Periodic maintenance and inspection regime of inflatable lifejacket

- 98.1 Be familiar with manufacturer's recommendations for maintenance and inspection regime
- 98.2 Be familiar with agency's recommendations for maintenance and inspection regime where different from manufacturer's

99. Pre-use and post-use inflatable lifejacket checks

- 99.1 Demonstrate appropriate pre-use checks for the selected inflatable lifejacket
- 99.2 Demonstrate appropriate post-use checks for the selected inflatable lifejacket

100. Protection of inflatable lifejacket from sharps

- 100.1 Compare the resilience to sharps of inflatable lifejackets vs Personal Flotation Device (PFD)s
- 100.2 Recall correct procedures for storage, transportation and use of inflatable lifejackets, to protect from sharps

101. Inflatable lifejacket inflation and deflation - auto/manual

- 101.1 Identify the hazards and merits of auto vs manual inflation
- 101.2 Observe the auto-inflation of a inflatable lifejacket, and identify its hazards
- 101.3 Demonstrate manual inflation of a inflatable lifejacket

102. Swimming and self-rescue in an inflatable lifejacket

- 102.1 Demonstrate the defensive swimming position

103. Exiting the water in an inflatable lifejacket

- 103.1 Identify the hazards and difficulties of exiting the water wearing a inflatable lifejacket



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