



Western Cape Province Chief Fire Officers Committee

Established under the Fire Brigade Services Act (Act 99 of 1987) so as to promote the coordination, standardisation, regulation and mutual cooperation of the Fire & Rescue Services



FIRE & RESCUE SERVICE - NORMS AND STANDARDS

Typed Resource Definitions:

- WC TRD 100-3: SEARCH & RESCUE RESOURCES

TYPED RESOURCE DEFINITIONS CODING

- 100-1: Firefighting Ground Resources**
- 100-2: Hazardous Materials Resources**
- 100-3: Search and Rescue Resources**
- 100-4: Aerial Firefighting Resources**
- 200-1: Incident Management Resources**
- 200-2: Emergency Support Resources**
- 200-3: Public Works Support Resources**

TYPED RESCUE RESOURCES

1. Transport Rescue.....Pages 4 – 8
2. Collapse Search and Rescue.....Pages 12 -13
3. Special Operations Response TeamsPages 14 -16
4. Water Rescue TeamPages 17 -18

RESOURCE		TRANSPORT RESCUE (Rescue)			
CATEGORY	SEARCH & RESCUE [ESF#9]	Call Sign Designation	RESCUE -R-	Drive Train	4x 2 or 4x4 LCV or Medium truck
MINIMUM CAPABILITIES		TYPE I –Heavy	TYPE II – Medium	TYPE III –Light	
COMPONENT	METRIC				
CHASSIS	Vehicle	Capable of transporting rescue personnel and equipment. Cannot exceed the vehicle's GVR including chassis, body and rescue equipment. All equipment shall be loaded on the apparatus and response ready.			
Equipment	Heavy Hydraulic Rescue Tools	Same as Type II plus 720 bar Combination Set	<ul style="list-style-type: none"> Hydraulic Pump: 720 bar [2 simultaneous tool operation] 1 Hydraulic Spreader 1 Hydraulic Cutter 2 Hydraulic Rams 1 Back-Up Power Unit 	<ul style="list-style-type: none"> Hydraulic Pump: 720 bar Combo Set 1 back up power unit 	
	Cribbing	<ul style="list-style-type: none"> 60 blocks, 4"x4"x24" 20 blocks, 2"x4"x24" 12 blocks, 6"x6"x24" 12 pair wedges, 6"x6"x24" 20 pair wedges, 4"x4"x18" 2 per vehicle wheel chocks 8 step cribbing 	<ul style="list-style-type: none"> 30 blocks, 4"x4"x24" 16 blocks, 2"x4"x24" 16 pair wedges, 4"x4"x18" 6 blocks, 6"x6"x24" 2 per vehicle wheel chocks 4 step cribbing 	<ul style="list-style-type: none"> 12 blocks, 4"x4"x24" 12 blocks, 2"x4"x24" 12 pair wedges, 4"x4"x18" 2 per vehicle wheel chocks 2 step cribbing 	
	Striking & Prying Tools	<i>Same as Type II</i>	<i>Same as Type III</i>	<ul style="list-style-type: none"> Flathead & Pickhead axes, hammers, chisels, pry axes, pry bars, haligan, crowbars 	
	SCBA	<i>Same as Type II</i>	<ul style="list-style-type: none"> 4 self-contained breathing apparatus with motion alarm 4 spare air cylinders 	<ul style="list-style-type: none"> 2 self-contained breathing apparatus with motion alarm 2 spare air cylinders 	
	Scene and Portable Lighting	Combined wattage of 2000 watts	Combined wattage of 1000 watts	Combined wattage of 500 watts	
	Ladder (M)	<i>Same as Type II</i>	<i>Same as Type III plus:</i> <ul style="list-style-type: none"> 1 ladder, extension type, 24 ft. Length, fire service rated 	<ul style="list-style-type: none"> 1 ladder, attic type, 10 ft (3m) Length minimum, fire service rated 	
	Generator	<i>Same as Type II plus:</i> 8 KW mobile	<i>Same as Type III</i>	5KW mobile	

RESOURCE	TRANSPORT RESCUE (Rescue)				
CATEGORY	SEARCH & RESCUE [ESF#9]	Call Sign Designation	RESCUE -R-		Drive Train 4x 2 or 4x4 LCV or Medium truck
MINIMUM CAPABILITIES		TYPE I – Heavy	TYPE II – Medium	TYPE III – Light	
Equipment	Rope Access	<ul style="list-style-type: none"> • 2 X 100m - 11mm Low Stretch Kernmantle (Static) Rope, • 4 X 50m - 11mm Low Stretch Kernmantle (Static) Rope, • 6 x 120cm x 25mm Sling, heavy-duty flat webbing • 6 x 60cm x 25mm Sling, heavy-duty flat webbing • 6 x 180cm x 25mm Sling, heavy-duty flat webbing • 8 x Rope Protector Sleeve,45 cm, PVC type, secured by wrap-around webbing strap and velcro • 2 x Rescue Pulley, sealed bearings • 1 x Rigging Plate • 1 x Rigging Harness for Rescue Stretcher • 6 x Triangular Delta Maillon Screw Link, 10mm, Steel • 10 x CT Oval Steel Screw-gate karabiner, • 1 x basket stretcher, stokes type with adjustable bridle (premade or mfg.) • 8 x Personal Rope Rescue Kits* (see example) 	<ul style="list-style-type: none"> • 2 X 100m - 11mm Low Stretch Kernmantle (Static) Rope, • 2 X 50m - 11mm Low Stretch Kernmantle (Static) Rope, • 6 x 120cm x 25mm Sling, heavy-duty flat webbing • 6 x 60cm x 25mm Sling, heavy-duty flat webbing • 6 x 180cm x 25mm Sling, heavy-duty flat webbing • 8 x Rope Protector Sleeve,45 cm, PVC type, secured by wrap-around webbing strap and velcro • 2 x I Rescue Pulley, sealed bearings • 1 x Rigging Plate • 1 x Rigging Harness for Rescue Stretcher • 6 x Triangular Delta Maillon Screw Link, 10mm, Steel • 10 x CT Oval Steel Screw-gate karabiner, • 1 x basket stretcher, stokes type with adjustable bridle (premade or mfg.) • 6 x Personal Rope Rescue Kits* (see example) 	<ul style="list-style-type: none"> • 2 X 100m - 11mm Low Stretch Kernmantle (Static) Rope, • 2 X 50m - 11mm Low Stretch Kernmantle (Static) Rope, • 6 x 120cm x 25mm Sling, heavy-duty flat webbing • 6 x 60cm x 25mm Sling, heavy-duty flat webbing • 6 x 180cm x 25mm Sling, heavy-duty flat webbing • 8 x Rope Protector Sleeve,45 cm, PVC type, secured by wrap-around webbing strap and velcro • 2 x Rescue Pulley, sealed bearings • 1 x Rigging Plate • 1 x Rigging Harness for Rescue Stretcher • 6 x Triangular Delta Maillon Screw Link, 10mm, Steel • 10 x CT Oval Steel Screw-gate Karabiner, • 1 x basket stretcher, stokes type with adjustable bridle (premade or mfg.) • 4 x Personal Rope Rescue Kits* (see example) 	

RESOURCE		TRANSPORT RESCUE (Rescue)			
CATEGORY	SEARCH & RESCUE [ESF#9]	Call Sign Designation	RESCUE -R-	Drive Train	4x 2 or 4x4 LCV or Medium truck
MINIMUM CAPABILITIES		TYPE I – Heavy	TYPE II – Medium	TYPE III – Light	
Equipment	Medical	<i>Same as Type II</i>	<i>Same as Type III</i>	<ul style="list-style-type: none"> • Long spine board, with straps • 1 extrication device (k.e.d. type) • 3 extrication collars, 2 adult & 1 paediatric • 2 oxygen cylinders • 1 oxygen regulators, 0-15 lpm • 1 non rebreathing masks, infant, child and adult • 2 nasal cannulas - adult, child and infant • 1 bag-valve mask, with high concentration kit for adult, child & infant • 1 suction device, portable suction unit w/rigid tip or soft tip suction Catheter • 1 blanket • 1 splint kit, assorted to include traction splints • 1 trauma kit - per medical responder standards criteria • 1 body/exposure bag 	
	Traffic Scene Safety	<ul style="list-style-type: none"> • 8 x Luminous/Reflective Traffic Cones • 2 x “Accident Warning” Reflective Triangles • 600m Barrier Tape / “Caution” Tape 			

RESOURCE		TRANSPORT RESCUE (Rescue)			
CATEGORY	SEARCH & RESCUE [ESF#9]	Call Sign Designation	RESCUE -R-	Drive Train	4x 2 or 4x4 LCV or Medium truck
MINIMUM CAPABILITIES		TYPE I –Heavy		TYPE II – Medium	
COMPONENT	METRIC			TYPE III –Light	
Equipment	Pulling Equipment	<ul style="list-style-type: none"> • 1x 4000kg. Cap, chassis mounted • 2 single sheave snatch blocks for winch • 2 hand winch, (come-a-long type), 2 ton and may be chain or cable. Webbing type not accepted). • 4 chain, 10mm x 2m (3/8 x 6ft) grade 70 transport chain-w/clevis hooks • 4 chain, 10mm x 4m (3/8 x 12ft) grade 70 transport chain-w/clevis hooks • 1 chain, 10mm x 6m (3/8 x 20ft) grade 70 transport chain-w/clevis hooks • 8 chain shorteners, 10mm (3/8") grade 70 transport chain-w/clevis hooks 	<ul style="list-style-type: none"> • 1x 4000kg. Cap, chassis mounted • 2 single sheave snatch blocks for winch • 2 hand winch, (come-a-long type), 2 ton and may be chain or cable. Webbing type not accepted • 2 chain, 10mm x 2m (3/8 x 6ft) grade 70 transport chain-w/clevis hooks • 2 chain, 10mm x 4m (3/8 x 12ft) grade 70 transport chain-w/clevis hooks • 1 chain, 10mm x 6m (3/8 x 20ft) grade 70 transport chain-w/clevis hooks • 4 chain shorteners, 10mm (3/8") grade 70 transport chain-w/clevis hooks 	<ul style="list-style-type: none"> • 1x 4000kg. Cap, chassis mounted • 1 hand winch, (come-a-long type), 2 ton and may be chain or cable, webbing Type not accepted. • 1 chain, 10mm x 2m (3/8 x 6ft) grade 70 transport chain-w/clevis hooks • 1 chain, 10mm x 4m (3/8 x 12ft) grade 70 transport chain-w/clevis hooks • 1 chain, 10mm x 6m (3/8 x 20ft) grade 70 transport chain-w/clevis hooks • 2 chain shorteners, 10mm (3/8") grade 70 transport chain-w/clevis hooks 	
	Overhead Lifting Chains	<ul style="list-style-type: none"> • Should a Fire Service keep Overhead Lifting Chains and Chain Assemblies on any Transport Rescue Vehicle to be used by a rated commercial crane; these chains and assembles must be rated <u>Grade 80</u> with a safety factor of 4:1 and must be certified by the manufacturer 			
	Lifting Equipment	<ul style="list-style-type: none"> • 2 x 1m (48 in). High lift jacks • 2x 1.5m (60 in.) High lift jacks • 2 x bottle jack, hydraulic, 10 ton • 2 x bottle jack, hydraulic, 20 ton • 1 x high pressure airbag set-range from 3- 70 ton capacity-w/accessories-hoses, regulators & Gauges 	<ul style="list-style-type: none"> • 2 x 1m (48 in.) High lift jacks • 1 bottle jack, hydraulic, 10 ton • 1 high pressure airbag set -range from 3-50 ton capacity-w/accessories-hoses, regulators & gauges 	<ul style="list-style-type: none"> • 2 x 1m (48 in.) High lift jacks • 1 bottle jack, hydraulic, 10 ton • 1 high pressure airbag set- range from 3-30 ton capacity-w/accessories-hoses, regulators & gauges 	

RESOURCE		TRANSPORT RESCUE (Rescue)			
CATEGORY	SEARCH & RESCUE [ESF#9]	Call Sign Designation	RESCUE -R-	Drive Train	4x 2 or 4x4 LCV or Medium truck
MINIMUM CAPABILITIES		TYPE I –Heavy		TYPE III –Light	
COMPONENT	METRIC	TYPE II – Medium			
	Stabilisation Kit	Same as Type II		Kit consisting of: <ul style="list-style-type: none"> • 2-B Struts • 2-E4.5-7 struts • 2x12” extensions • 2x24” extensions • 2 rigid basis • 1x 15deg swivels • 2 x V-block • 2 x chain wedges • 4x 6” base plates • 4 x 45deg static clevis • 4 x ratchet straps • 2 x ratchet strap extensions 	Kit consisting of: <ul style="list-style-type: none"> • 2-B Struts • 2x24” extensions • 2 x V-block • 2 x chain wedges • 2x 6” base plates • 2 x 45deg static clevis • 2 x ratchet straps • 2 x ratchet strap extensions
	Cutting Saws	<ul style="list-style-type: none"> • 2x Fire & Rescue Chain Saw(example Stihl MS 460 R) • 2 x Reciprocating saw • 2 x Rotary/Circular/ Cut-off Saw • * Saws to have blades/chains capable of cutting wood, masonry, metal and concrete) 	<ul style="list-style-type: none"> • 2x Fire & Rescue Chain Saw(example Stihl MS 460 R) • 1 x Reciprocating saw • 2 x Rotary/Circular/ Cut-off Saw • * Saws to have blades/chains capable of cutting wood, masonry, metal and concrete) 	<ul style="list-style-type: none"> • 1x Fire & Rescue Chain Saw(example Stihl MS 460 R) • 1 x Reciprocating saw • 1 x Rotary/Circular/ Cut-off Saw • * Saws to have blades/chains capable of cutting wood, masonry, metal and concrete) 	
	Rescue (Hot Cutting)	<ul style="list-style-type: none"> • 1 x Oxy Acetylene Set • 1x Thermal Lance /Plasma Cutter 	<ul style="list-style-type: none"> • 1 x Oxy Acetylene Set 	---	
	Rescue (Breeching)	<ul style="list-style-type: none"> • Demolition Hammer (=125mm) • Rotary Hammer Drill • Concrete core drill and bits (25, 64 & 125mm) • 	<ul style="list-style-type: none"> • Demolition Hammer • Rotary Hammer Drill 	<ul style="list-style-type: none"> • Rotary Hammer Drill 	
PERSONNEL	PERSONNEL	2 (VMR & BLS)		2 (VMR & BLS)	

TECHNICAL SEARCH and RESCUE RESOURCES

Purpose

The Typing Policy to provide for the systematic mobilization, deployment, organization, and management of SAR & Technical Rescue resources throughout Western Cape.

Key Concepts of Technical Search and Rescue (SAR) Resource Typing

SAR Resource Typing Policy is directed towards enhancing SAR & Technical Rescue response at the local, regional and provincial level of government by:

1. Providing a mechanism for the evaluation of fire and non-fire service SAR & Technical Rescue resources in the Province.
2. Providing a mechanism for funding of training and evaluation of SAR & Technical Rescue responders to augment existing resources.
3. Pre-determining resource capabilities at the local, regional and provincial levels.
4. Integrating non-fire service resources into the planning and response phases of Emergency Management systems at the local, regional and provincial levels.

Activation

Whilst local activation and mutual aid activation lies with the respective Fire Service Authority working according to the Provincial Special Operations Response Team (SORT) Plan; SAR resources on a regional, provincial and national level are activated via the Provincial Special Operations Response Plan with control of these resources then vested in the SORT Committee.

Performance Competencies

- Personnel who make up Technical Rescue Teams for any of the Technical Rescue disciplines must comply with the NFPA 1006 “Standard for Rescue Technician Professional Qualifications”
- Services must ensure that they meet the NFPA 1670 “Standards on Operations and Training for Technical Rescue Incidents”
- SORT Units must be accredited by the WC SORT Steering Committee

Technical Rescue Teams

Per NFPA 1670 Chapter 2 1.3 The Authority Having Jurisdiction shall establish operational procedures to ensure that technical rescue operations are performed in a safe manner consistent with the identified level of operational capability. In addition, the same techniques used in a rescue operation shall be considered appropriate for training, body recovery, evidence search, and other operations with a level of urgency commensurate with the risk/benefit analysis.

a) Type I - Heavy Technical Rescue Team

The Heavy Non-USAR Technical Rescue Team represents the minimum capability to conduct safe and effective technical rescue operations at the technician level.

These incidents may involve: heavy, industrial, or vehicle extrication, life safety rope rescue, confined spaces, trench/excavation or structural collapse.

b) Type II - Light Technical Rescue Team

The Light Non-USAR Technical Rescue Team represents the minimum capability to be competent in safe and effective technical rescue operations at the operations level. These incidents may involve: heavy, industrial, or vehicle extrication, life safety rope rescue, confined spaces, trench/excavation or structural collapse.

SORT TASK FORCES

a) Type I - Full SORT Task Force

A Western Cape Provincial asset made up of local responders and with the personnel, equipment and training equivalent to a Task Force. This unit is capable of twenty-four hour operations for a minimum of five days without the need for outside resources. One Full Task Force may be divided into two Regional Task Forces.

b) Type II – Regional SORT Task Force (Intermediate Task Force)

A Western Cape Provincial asset made up of local responders equivalent to half of a Full Task Force. This unit is capable of twelve hour operations for a minimum of five days without the need for outside resources. This resource will provide a scaled down version of a full Task Force and will be able to handle some collapse incidents without the need for additional assistance. Two Regional SORT Task Forces can be added together to form the equivalent of a Full Task Force or divided to make two SORT Units.

c) Type III - SORT Unit (Light Task Force)

A Western Cape Provincial asset made up of local responders equivalent to a third of a Full SORT Task Force. This unit is capable of twelve hour operations for a minimum of five days with logistical assistance from a Type I or II task force. This resource will provide a scaled down version of an Intermediate Task Force and will be able to handle basic collapse incidents with the need for minimal assistance. Two Units can be added together to form the equivalent of a Regional Task Force.

Search and Rescue Area Definitions

Search and rescue is an area specific specialty. The type of area to be searched dictates the kind and type of resource to be utilized.

- a) Zone A (Urban Area) - Generally areas with high-density population and buildings of light, medium and heavy construction
- b) Zone B (Interface Area) - Generally the rural interface and intermix. Single family residential areas with light and medium construction
- c) Zone C (Rural) - Generally sparsely populated rural areas with residential structures

RESOURCE	COLLAPSE SEARCH & RESCUE TEAM (Rescue)				
CATEGORY	SEARCH & RESCUE [ESF#9]	Call Sign Designation	SORT TEAM	KIND	SORT
MINIMUM CAPABILITIES		TYPE I		TYPE II	
COMPONENT	METRIC				
DESIGNATION	Competency	HEAVY TECHNICAL RESCUE TEAM		LIGHT TECHNICAL RESCUE TEAM	
INCIDENT TYPE	Capability	<ul style="list-style-type: none"> Trained for Heavy Floor Construction, Pre-cast Concrete Construction, Steel Frame Construction, High Angle Rope Rescue (including highline systems), Confined Space Rescue (permit required), Mass Transportation Rescue and Trench Collapse 		<ul style="list-style-type: none"> Trained for light frame, light wall, light floor and unreinforced concrete construction High Angle Rope Rescue (not including highline systems), Confined Space (no permit required) and Trench Collapse 	
PERSONNEL	Training & Certification	<ul style="list-style-type: none"> Trained to the HazMat Technician Level (NFPA 472) NFPA 1006: 2008 Technician Level II Certification for areas of specialisation in: Structural Collapse, Rope Rescue, Confined Space, Vehicle and Machinery, Trench and Excavation. Certified by WC SORT Committee 		<ul style="list-style-type: none"> Trained to the HazMat First Responder Operational Level (NFPA 472) NFPA 1006: 2008 Technician Level I Certification for: Areas of specialisation: Structural Collapse, Rope Rescue, Confined Space, Vehicle and Machinery, Trench and Excavation. Certified by WC SORT Committee 	
TEAM	Organisation/Authority	<ul style="list-style-type: none"> Comply with organization Technician Level for support personnel as outlined in NFPA 1670 		<ul style="list-style-type: none"> Comply with organization Operations Level for support personnel as outlined in NFPA 1670. 	
	Minimum Staffing	<ul style="list-style-type: none"> 8 Members made up as follows: <ul style="list-style-type: none"> 1 x Team Leader 6 X Technicians (HRTs) 1 x Medic 		<ul style="list-style-type: none"> Members made up as follows: <ul style="list-style-type: none"> 1 x Team Leader 6 X Technicians 1 x Medic 	
	Maximum Time to initial Response	<ul style="list-style-type: none"> Immediate 		<ul style="list-style-type: none"> Immediate 	
	Sustained Operational Period	<ul style="list-style-type: none"> 8-12 Hours 		<ul style="list-style-type: none"> 4-8 Hours 	
	Response Type	<ul style="list-style-type: none"> Local or Regional 		<ul style="list-style-type: none"> Local 	

RESOURCE	COLLAPSE SEARCH & RESCUE TEAM (Rescue)				
CATEGORY	SEARCH & RESCUE [ESF#9]	Call Sign Designation	SORT TEAM	KIND	SORT
MINIMUM CAPABILITIES		TYPE I – Heavy		TYPE II – Light	
COMPONENT	METRIC				
EQUIPMENT	Technical Equipment	<p><i>Same as Type II Plus</i></p> <ul style="list-style-type: none"> • Audible and optical search equipment to conduct Technical search • Visual inspection devices • Listening devices (seismic and acoustic) • Handheld radios 		<ul style="list-style-type: none"> • Shoring assortment • Rebar cutters • Reciprocating and Chain saws • Assorted hand tools • Generator • Lights • Extensions cords • Air blower • Fire extinguishers • Demolition and Rotary hammers • Hydraulic concrete breakers • Hydraulic vehicle rescue system • Hammer drill • Nail gun • Cutting torch • Hoisting slings and shackles • Rope equipment (kernmantle and lifeline rope, ascenders/ descenders, pulleys, tripod hauling system, carabineers) 	
	Breathing Apparatus	<ul style="list-style-type: none"> • SCBA 		<ul style="list-style-type: none"> • SCBA 	
	Medical	<p><i>Same as Type II</i></p>		<ul style="list-style-type: none"> • Medical aid equipment • Backboards • Stokes stretcher 	
	HazMat	<p><i>Same as Type II plus:</i></p> <ul style="list-style-type: none"> • Level A Suits 		<ul style="list-style-type: none"> • HazMat monitoring equipment • Level B Suits • Sampling detection kit • 4-gas meters • Rad monitoring • Decontamination Equipment 	

RESOURCE	URBAN SEARCH & RESCUE TASK FORCES (Rescue)				
CATEGORY	SEARCH & RESCUE [ESF#9]	Call Sign Designation	SORT TF	KIND	SORT
MINIMUM CAPABILITIES		TYPE I	TYPE II	TYPE III	
COMPONENT	METRIC				
DESIGNATION	Competency	PROVINCIAL TASK FORCE	REGIONAL TASK FORCE	LOCAL UNIT	
PERSONNEL	Number of People per Response	88 Person Response made up as follows: <ul style="list-style-type: none"> • 68 HRTs • 12 Support Staff • 8 Medics 	44 Person Response made up as follows: <ul style="list-style-type: none"> • 34 HRTs • 6 Support Staff • 4 Medics 	22 Person Response made up as follows: <ul style="list-style-type: none"> • 1 Unit Leader (HRT) • 1 Operations Officer (HRT) • 2 Team Leaders (HRTs) • 12 HRTs • 2 Medics • 1 Logistics Officer • 1 Equipment Officer • 1 Safety Officer (HRT) • 1 Communications Officer 	
	Training & Certification	<i>Same as Type II</i>	<i>Same as Type III</i>	<ul style="list-style-type: none"> • Trained to the HazMat Technician Level (NFPA 472) • NFPA 1006: 2008 Technician Level II Certification for areas of specialisation in: Structural Collapse, Rope Rescue, Confined Space, Vehicle and Machinery, Trench and Excavation. • Certified by WC SORT Committee 	
	Sustained Operations	<ul style="list-style-type: none"> • 24 Hour S& R Operations • Self Sufficient for first 72 Hours 	<ul style="list-style-type: none"> • 12 Hour S& R Operations • Self Sufficient for first 72 Hours 	<ul style="list-style-type: none"> • 12 – Hour S&R Operations • Self Sufficient for first 48 Hours 	
	Organisation/Authority	<ul style="list-style-type: none"> • Comply with organization Technician Level for support personnel as outlined in NFPA 1670 	<ul style="list-style-type: none"> • Comply with organization Operations Level for support personnel as outlined in NFPA 1670. 	<ul style="list-style-type: none"> • Multidisciplinary organization of Command; Search; Rescue; Medical; HazMat; Logistics; Planning 	

RESOURCE		URBAN SEARCH & RESCUE TASK FORCES (Rescue)			
CATEGORY	SEARCH & RESCUE [ESF#9]	Call Sign Designation	SORT TF	KIND	SORT
MINIMUM CAPABILITIES		TYPE I	TYPE II	TYPE III	
COMPONENT	METRIC				
DESIGNATION	Competency	PROVINCIAL TASK FORCE	REGIONAL TASK FORCE	LOCAL UNIT	
	Sustained Mission Duration	<ul style="list-style-type: none"> Same as Type II 	<ul style="list-style-type: none"> Potential Mission duration of up to 10 days 	<ul style="list-style-type: none"> Potential Mission duration of up to 5 days 	
Equipment	Rescue Equipment	<i>Same as Type II</i>	<i>Same as Type III</i>	<ul style="list-style-type: none"> Pneumatic Powered Tools Electric Powered Tools Hydraulic Powered Tools Hand Tools Electrical Heavy Rigging Technical Rope Safety 	
	Medical Equipment	<i>Same as Type II</i>	<i>Same as Type III</i>	Antibiotics/Antifungals; Patient Comfort Medication; Pain Medications; Sedatives/ Anaesthetics / Paralytics; Steroids; IV Fluids/Volume; Immunizations/Immune Globulin; Canine Treatment; Basic Airway; Intubation; Eye Care Supplies; IV Access/ Administration; Patient Assessment Care; Patient Immobilization/ Extrication; Patient/ PPE; Skeletal Care; Wound Care; Patient Monitoring	
	Technical Equipment	<i>Same as Type II</i>	<ul style="list-style-type: none"> Structures Specialist Technical Information Specialist HazMat Specialist Technical Search Specialist Canine Search Specialist 	<ul style="list-style-type: none"> Structures Specialist Canine Search Specialist 	

RESOURCE	URBAN SEARCH & RESCUE TASK FORCES (Rescue)				
CATEGORY	SEARCH & RESCUE [ESF#9]	Call Sign Designation	SORT TF	KIND	SORT
MINIMUM CAPABILITIES		TYPE I	TYPE II	TYPE III	
COMPONENT	METRIC				
DESIGNATION	Competency	PROVINCIAL TASK FORCE	REGIONAL TASK FORCE	LOCAL UNIT	
EQUIPMENT	Communications Equipment	<i>Same as Type II</i>	<i>Same as Type III plus:</i> Repeaters; Accessories; Batteries; Power Sources; Small Tools; Computer	Portable Radios; Charging Units; Spare Batteries; Power Sources;	
	Logistics Equipment	<i>Same as Type II</i>	<i>Same as Type III plus:</i> Task Force Support; Cache Transportation/ Support; Base of Operations; Equipment Maintenance	Water/Fluids; Food; Shelter; Sanitation; Safety Administrative Support; Personal Bag	

RESOURCE	SWIFTWATER / FLOOD SEARCH & RESCUE TEAM (Rescue)				
CATEGORY	SEARCH & RESCUE [ESF#9]	Call Sign Designation	WATER RESCUE	KIND	SORT
MINIMUM CAPABILITIES		TYPE I	TYPE II	TYPE III	TYPE IV
COMPONENT	METRIC				
PERSONNEL	Team Composition	10 member team comprised of: <ul style="list-style-type: none"> • 2 managers • 2 squad leaders • 6 personnel 	6 member team comprised of: <ul style="list-style-type: none"> • 1 squad leader • 5 personnel 	4 member team comprised of: <ul style="list-style-type: none"> • 1 squad leader • 3 personnel 	3 member team comprised of: <ul style="list-style-type: none"> • 1 squad leader • 2 personnel
	Number Technical Animal Rescue	1	1	1	
	Number ALS Certified	2	--	--	
	Number Helicopter/ Aquatic Rescue Operations	4	2	--	
	Number Certified Power Boat Skippers	4	2	--	
	Number Class IV Emergency Diver Certified with Equipment	4	2	2	
TEAM	Specialist SAR Skills	<i>Same as Type II</i>	<i>Same as Type III plus:</i> <ul style="list-style-type: none"> • Technical rope systems 	<ul style="list-style-type: none"> • In-water contact rescue • Dive rescue 	
	Capabilities	<ul style="list-style-type: none"> • Manage search operations • Power vessel operations • Helicopter rescue operational • Animal rescue • HazMat • ALS • Communications • Logistics 	<ul style="list-style-type: none"> • Manage search operations • Power vessel operations • Helicopter rescue operational • Animal rescue • HazMat • BLS 	<ul style="list-style-type: none"> • Assist in search operations • Non-powered water craft • Animal rescue • HazMat • BLS 	<ul style="list-style-type: none"> • Low-risk operations • Land-based • HazMat • BLS

RESOURCE	SWIFTWATER / FLOOD SEARCH & RESCUE TEAM (Rescue)				
CATEGORY	SEARCH & RESCUE [ESF#9]	Call Sign Designation	WATER RESCUE	KIND	SORT
MINIMUM CAPABILITIES		TYPE I	TYPE II	TYPE III	TYPE IV
COMPONENT	METRIC				
TEAM	Training	<i>Same as Type II except:</i> <ul style="list-style-type: none"> Divers to have 80 hours of formal public safety diver training 	<i>Same as Type III plus:</i> <ul style="list-style-type: none"> Helicopter operations awareness Technical rope rescue 	<i>Same as Type IV plus:</i> <ul style="list-style-type: none"> Divers to have 60 hours of formal public safety diver training 	<ul style="list-style-type: none"> Paddle skills Contact and self-rescue skills HazMat ICS Swiftwater Rescue Technician
	Certifications	<i>Same as Type II</i>	<i>Same as Type III</i>	<ul style="list-style-type: none"> Divers DOL Certified WC SORT Committee 	<ul style="list-style-type: none">
EQUIPMENT	Transportation Resources	<ul style="list-style-type: none"> Equipment Trailer Personnel Support 			
	Communication	<i>Same as Type II</i>	<i>Same as Type III plus:</i> <ul style="list-style-type: none"> Airband Radio 	<i>Same as Type IV</i>	<ul style="list-style-type: none"> Portable Radios Spare Batteries and Chargers
	Medical	<i>Same as Type II plus</i> <ul style="list-style-type: none"> ALS medical kit 	<i>Same as Type III plus:</i> <ul style="list-style-type: none"> Spineboard 	<i>Same as Type IV plus:</i> <ul style="list-style-type: none"> Litter 	<ul style="list-style-type: none"> BLS medical kit Blankets
	SCUBA	<i>Same as Type II plus</i>	<i>Same as Type III plus:</i> <ul style="list-style-type: none"> Life vests PFD Type V 	<i>Same as Type IV plus:</i> <ul style="list-style-type: none"> Lamps Fins 	<ul style="list-style-type: none"> Flares; Markers; Bags; Flashlight; Gloves; Helmets; Light sticks; PFD Type III/IV; Knives; Shoes; Whistles
	Rescue Boat	<ul style="list-style-type: none"> 2 x Fuelled (Rubber Duck) 2x Crocs or Fishducs 	<ul style="list-style-type: none"> 1 x Fuelled (Rubber Duck) 1 x Croc or Fishduc 	<ul style="list-style-type: none"> 1 x Croc or Fishduc 	

