Fire Chiefs' Association of BC and BC Wildfire Service

MEMORANDUM OF AGREEMENT for INTER-AGENCY OPERATIONAL PROCEDURES AND REIMBURSEMENT RATES 2025/2026

Revised April 2 2025



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1. Summary

The Memorandum of Agreement for Inter-Agency Operational Procedures and Reimbursement Rates (the "Inter-Agency Agreement") has been reviewed by representatives of the undersigned agencies. The agencies agree to the use of the terms and rates as set out in this agreement until such time that the agreement is revised and updated, or notification is given to all parties that they are no longer a participant in the agreement.

Signature	Title	Date signed
Ja Par	Dan Derby, President Fire Chiefs' Association of BC	April 2, 2025
affe	Cliff Chapman, Director, Wildfire Operations BC Wildfire Service	April 2, 2025

2. Definitions

In this Inter-Agency Agreement, the following words have the following meaning, unless the context dictates otherwise:

Apparatus A motor-driven vehicle, or group of vehicles, designed and constructed for the purpose of fighting fires. May be of different types such as engines, water tenders, ladder trucks, etc..

Burn Boss The individual responsible for the management of all prescribed fire operations.

Class 4 workplace A workplace as per WorkSafeBC definition that is both a remote workplace and a less-accessible workplace.

Demobilization The orderly, safe, and efficient return of an incident resource to its original location and status. Including personnel, facilities, equipment, supplies and other resources.

Engine Boss Leads a single fire engine and attached personnel and is responsible for their safety on wildland fire incidents. The ENGB supervises assigned engine and personnel and reports to a Strike Team/Task Force Leader or other assigned supervisor.

Expense Authority The provincial employee granted the authority to approve purchases on the Governments' behalf.

Fire Department Initial Attack (FD IA) Response authorized by BCWS to undertake initial attack on a out-of-jurisdiction wildfire.

Fire Department A department established and operated as a Local Authority service responsible for the prevention or suppression of fires in a defined Fire Protection Area by a Local Authority or a board, or commission of a registered society having the responsibility for the management or conduct of work or services through a service agreement, or equivalent of any of the above.

Fire Protection Area Private or public land located within a local government area boundary where a fire department has jurisdiction and responsibility for fire control.

Incident Commander The individual responsible for on-scene incident activities, including developing incident objectives and ordering and releasing resources. The Incident Commander has overall authority and responsibility for conducting incident operations.

Initial Attack An aggressive action to put the fire out by the first resources to arrive, consistent with firefighter and public safety and values to be protected.

Ministry Zone Operations Centre (MZOC) Implemented to respond to specific geographic area within a BCWS Zone or Fire Centre.

Mitigation The phase of emergency management in which proactive steps are taken to prevent a hazardous event from occurring by eliminating or reducing the hazard such as reducing fuel load using prescribed fire.

Mutual Aid Assistance in firefighting or investigation by fire agencies, without regard for jurisdictional boundaries. In this document referenced as the initial response phase, or first 12 hour operational period, of an interface incident.

Mutual Aid Agreement A written or oral agreement between and among agencies/organizations and/or jurisdictions that provides a mechanism to quickly obtain assistance in the form of personnel, equipment, materials, and other associated services. The primary objective is to facilitate the rapid, short-term deployment of support prior to, during, and/or after an incident.

Preparedness Plan Identifies what resources will be "on standby" for response for a specific time frame.

Prescribed Fire The knowledgeable application of fire to a specific land area to accomplish predetermined forest management and/or land use objectives.

Provincial Wildfire Coordination Centre (PWCC) The physical location responsible for managing wildfire resources at a provincial level for BCWS.

Regional Wildfire Coordination Centre (RWCC) The physical location within each Fire Centre responsible for coordinating response to wildfires in that geographic region. Support the PWCC.

Regional Wildfire Coordination Officer (RWCO) A rostered position that provides regional leadership for wildfire resource deployment.

Single Resource An individual, a piece of equipment and its personnel complement, or a crew/team of individuals with an identified work supervisor that can be used on an incident.

Standby Resources available and ready to deploy within 30 minutes of receiving deployment instructions.

Structure Protection Coordination Officer (SPCO) The rostered position responsible for coordinating structure protection and structure defense resources to WUI incident provincially. Supports the PWCO.

Staging Area Manager (STAM) The ICS position responsible for supervising a staging area. Reports to a Branch Director or Operations Section Chief.

Strike Team A set number of resources of the same kind and type that have an established minimum number of personnel, common communications, and a leader.

Structure Protection Crew (SPC) Standard crew arrangement used for structure protection assignments. Team is comprised of 5 personnel, with 1 Crew Leader and 4 Crew Members.

Structure Protection Unit (SPU) A trailerized unit that contains equipment to set up on structures for structure protection assignments (i.e. Sprinkler trailer).

Task Force Any combination of single resources assembled for a particular tactical need, with common communications and a leader. A task force may be pre-established and sent to an incident, or formed at an incident.

Zone Wildfire Coordination Officer (ZWCO) is a rostered position responsible for the management of the Ministry Zone Operations Centre and coordinating sustained action and initial attack response to incidents within their zone geographic.

3. Purpose

This Inter-Agency Agreement guides and facilitates collaboration between the Province of BC and fire departments by outlining key information regarding resource requests, deployment and response procedures, remuneration guidelines, and other necessary details to effectively manage the partnership.

The intent of this Inter-Agency Agreement is to continuously improve operating procedures and strengthen capacity, while providing increased flexibility to share resources in British Columbia, with clear rules of engagement and reimbursement requirements.

4. Scope

This Inter-Agency Agreement pertains to fire departments that provide a response to a BCWS request or respond to a request for resources. Where the BC Wildfire Service ("BCWS") engages other personnel or organizations to assist with wildfire suppressions, they will be paid at the current BC Government rates.

These operational procedures will ensure that there is an understanding of roles and responsibilities for wildfire and wildland-urban interface ("WUI") fire response. All personnel deployed under the auspices of this agreement will adhere to the Inter-Agency Operational Procedures Code of Conduct found at Appendix A. This document will be reviewed annually and revised as required.

This Agreement contains a provision indicating that all parties must comply with all applicable laws, and any policies communicated by the Province regarding access to and/or attendance at facilities owned, controlled or occupied by the Province (each, a "Province Workplace"), and that all parties must ensure that all of its employees, agents and subcontractors comply with such laws and policies.

The BCWS is tasked with managing wildfires through a combination of wildfire prevention and mitigation, preparedness, response activities on both Crown and private lands outside fire protection areas. Although infrequent and uncommon, the BCWS also has management responsibilities of Crown land within local government area.

Where local government provides fire protection services through municipal, regional or improvement district governments (e.g. fire department), it is understood by the parties that the fire department is responsible for fire suppression action on all fires within its legislated fire protection area.

5. Responsibility for Response

Management of wildfires in the WUI can present complex and challenging operating environments for responders. These types of fires are increasingly common with the expansion of the wildland urban interface, the impacts of climate change, accompanied by the increased occurrence of significant wildfires on the land base. Additional complexities include the number of agencies and levels of government involved, and the different levels of expertise required to manage these incidents safely and effectively. The need for inter-agency collaboration between the Province and fire departments to accomplish this has never been more in the forefront than it is at present.

It is recognized that wildland firefighters are trained and equipped to respond to fires composed of wildland fuels and vegetation and are not trained or equipped to address structure fires, such as residential buildings. Structure firefighters are trained to control and extinguish fire in structures, such as residential fires. Some structure firefighters – but not all – have training and/or equipment to suppress wildland fire. Both wildland and structure firefighting expertise are needed to respond to WUI fire events. It is recognized that local authorities are responsible for their structure fire departments, other resources engaged by the Province are provincial resources.

6. Management of Structural Firefighting Resources

BCWS will manage the deployment of structural firefighting resources in response to WUI fire events and other incidents. Firefighting apparatus, Structure Protection Units ("SPU"), Single Resources, and all other requested fire department resources will be managed, resourced and deployed by the BCWS Structure Protection Coordination Officer ("SPCO"). Wildland firefighters and resources will be managed, resourced and deployed by the BCWS. This is not to limit the practice where BCWS may engage appropriately trained single resources directly from fire departments to assist in wildland fire response or standby when BCWS resources may be limited.

6.1 HEALTH & SAFETY

BCWS has outlined procedures to manage fatigue related to deployment periods and required rest for BCWS personnel in the *BC Wildfire Service Occupational Safe Work Standard For Staff Health and Fatigue Management*. Fire Departments deploying personnel are expected to have internal guidelines that meet or exceed these safe work standards. In addition, the following parameters are to be followed, as operationally feasible, for all deploying fire department resources:

6.2 CLEAR 8

All personnel must get a complete 8-hour break between the end of one shift and the start of another, i.e., "Clear 8". A "Clear 10" will be considered best practice where possible to support adequate rest and sleep between the end of one shift and the beginning of the next. Any exception to these breaks must be authorized in advance and in writing by the Structure Protection Coordination Officer (SPCO), Provincial Wildfire Coordination Officer (PWCO), MZOC Director, or Incident Commander on a project fire. Shift lengths should not exceed 14 hours, except in the following situations:

• In the first 72 hours of an incident.

• When life and property are threatened

6.3 TRAVEL

Travel time to and from deployments will be limited depending on hours worked and number of employees in the vehicle with a valid driver's license. To ensure employee safety and wellbeing, travel will be limited to the following:

• Maximum of 12-hour travel days when 2+ people with valid driver's licenses are traveling together in one vehicle.

- Maximum of 10-hour travel days when only one person with a valid driver's license is in the vehicle.
- No vehicle travel between 23:00 and 05:00 unless pre-approved by SPCO.

• These travel limitations include the combination of work and travel hours allowed in a day. For example, if an employee is working on an incident for 6 hours, they can travel up to 6 hours in the same day if accompanied by another licensed driver.

6.4 FIRST AID REQUIREMENTS

Worksafe BC (WSBC) provided amendments to the Occupational Health and Safety Regulation relating to occupational first aid effective November 1, 2024. The WUI operating environment is considered a Class 4 Workplace. To align with the WSBC regulations, the following updates to First Aid Certificates and First Aid Kits for fire departments are as follows.

• First Aid Certification – Required first aid certifications, as defined by WSBC are provided in Section *10.3 Mandatory Crew Requirements*. All personnel will have at a minimum Basic First Aid or higher (i.e. OFA-3, FR3, EMR), with one Advanced First Aid, or higher (i.e. OFA-3, FR3, EMR) per crew.

• First Aid Kits – Each deployed resource (Apparatus, Structure Protection Crew, Single Resource) are required to have at a minimum an Advanced First Aid Kit that meets WSBC specifications. The WSBC OHS Guidelines list the recommended minimum contents for each level of kit. Equipment lists as per WorkSafeBC provided here First aid equipment, supplies, and facilities | WorkSafeBC

7. Deployment

Apparatus and personnel deployed by the Province and reimbursed by the Province are considered a provincial resource and any decisions to re-deploy or release from an incident are determined by the Province after consultation with the involved parties.

While statutory immunity WorkSafeBC coverage is provided on provincial deployments, it is recommended that departments sending resources, personnel and equipment, consult their local authority bylaws (and respective insurers such as ICBC) to ensure there are not any limitations preventing them from assisting in an out of jurisdiction deployments.

Resources brought into a fire protection area by BCWS will be covered under a BCWS fire number. Resources brought in to support BCWS for outside of a fire protection area will be covered under a BCWS fire number. All resources will be requested and verified using a "Drawdown" form issued via the SPCO at the Provincial Wildfire Coordination Centre ("PWCC") and upon the request of BCWS staff at the incident. All crew supervisors must ensure Daily Time Reports ("DTRs") are completed for each crew, day and/or night, while on deployment as outlined in the Record Keeping section below.

7.1 ACTIVATION PROCESS

BCWS will maintain a database of fire resources from fire departments in British Columbia that have preidentified themselves as available for deployment. Fire departments registered to be deployed must meet the minimum qualifications for apparatus, Firefighters and Fire Officers as established by BCWS.

The Structure Protection Coordination Officer (SPCO) deploys 'registered' fire department resources to incidents based on a 'closest & most appropriate' formula. This takes into consideration geographic location, requested resource typing, and incident complexity.

Depending on the geographical location of an incident, apparatus transport options such as commercial transport will be mutually determined prior to deployment. Apparatus deployed by the Province may be required to report to a fire camp or staging location where mechanical safety inspections, proof of insurance, equipment inventories, Personal Protective Equipment ("PPE") inventories, crew qualifications and crew briefings will be verified prior to assignment to any task. Each fire department supplying apparatus for provincial deployment must provide an equipment checklist for each vehicle. Provincial staging locations will be established, with provincial resources managed by BCWS representatives.

Physical capability of responders will be at the discretion of BCWS Incident Commander ("IC") or BCWS Structure Protection Specialist ("SPS"). Firefighters not physically capable of performing their duties and deemed to be a safety risk will be demobilized.

7.2 TRAINING

All personnel taking action on wildfires on behalf of the BCWS must be trained to the appropriate standards as per the BCWS and be physically capable of performing their duties safely and effectively. Training and qualifications are provided in *11.2.3 Mandatory Crew Requirements*.

7.3 PERSONNEL TRANSPORT

With prior Expense Authority approval, personal and department vehicles used to transport personnel will be reimbursed as outlined in *10.1.2 Single Resource Response Rates for Vehicles* in this agreement.

The Province reserves the right to recommend and pay for other economical alternatives for apparatus and crew transport. The Province will cover extraordinary costs such as ferry fares and highway tolls (receipts must be provided).

7.4 PERSONAL PROTECTIVE EQUIPMENT

Personnel responding to a provincial request for resources will report to a pre-designated location with all PPE as defined in *10.3.1 Personal Protective Equipment*. Apparatus/crew may be withheld from

deployment and sent home at their expense if not adequately equipped. Staging Managers will be conducting/coordinating truck and trailer checks. A list of the required personal protective equipment is in the Appendix.

7.5 COMMUNICATIONS AND COMMAND STRUCTURE

Fire departments are required to have their mobile and portable radios pre-programmed to include the BCWS radio channels (see BCWS Radio Frequency Approval Letter, Appendix). In addition, resource road radio channels are required to be pre-programmed in mobile and portable radios. Radio programming will be verified by a Staging Manager, Structural Branch Director, Task Force Leader or a Structure Protection Specialist.

Tactical interagency communications will be on OFC frequency OFC1 - 155.460 MHz Tx/Rx (Narrow Band) and OFC2 - 150.350 MHz Tx/Rx (Narrow Band). Fire departments are required to have their mobile and portable radios pre-programmed to these OFC frequencies. This will be verified at staging prior to deployment. In accordance with 6.11 of this agreement, jurisdictional authority and incident command will be the responsible agency. Should unified command be activated, explicit line authority must be documented in an Incident Organization Chart.

7.6 **DEPLOYMENT PERIODS**

The deployment periods discussed in this agreement are intended for use from a Provincial request for resources.

On deployment and demobilization days (travel days), reimbursement will be for actual hours worked and travelled to or from the fire hall. Subsequent days will be reimbursed at a minimum of 12 hours per day or for actual hours worked if greater than 12 hours. Fire department personnel and apparatus having received pre-approval from the SPCO to return to their home jurisdiction daily will be reimbursed for actual hours travelled and worked each day.

Deployment periods for emergency events requiring provincial resourcing of apparatus and personnel will be for a maximum of 14 days (including travel days). Shorter deployments may be considered by BCWS and should be discussed prior to deployment.

The Province will reimburse fire departments for costs associated with crew rotations falling within the 6 to 14-day deployments (including transportation, wages and authorized expenses). Where a fire department wishes to rotate personnel prior to completing 6 days of deployment, it must request and receive prior approval from the Structure Protection Coordination Officer (SPCO) and BCWS representative on site, and all costs related to the early rotation will be at the fire department's own expense.

Costs associated with backfilling of personnel are not covered. However, under extraordinary circumstances, these costs may be covered only if agreed to in consultation with the SPCO as required, prior to deployment.

7.7 FOOD AND LODGING

Fire department personnel are expected to stay in a fire camp or structural apparatus staging area camp during their deployment to wildland urban interface events, unless it is a local deployment within one hour of travel time (½ hour each way) from the fire hall to the staging area.

Crews must be self-sufficient for a minimum of 48 hours. Self Sufficient means that Fire Department personnel will come with standardized personal protective equipment, training, and equipment and be overall self-sufficient. For clarification the requirement is to arrive at the Worksite with enough food and water for 48 hours, plus be self-sufficient in event that Crews are directed to overnight and logistical support is not set up to provide meals or accommodation at this time (i.e. sleeping bag, tent and sleeping mat). A minimum of 3000 - 5000 calories of non-perishable food and 10 litres of water (or alternative means to supply potable water without a campfire) per person.

The Provincial/Regional/Incident Logistics Section may arrange for provision of meals and lodging for responders during deployment. This will be communicated to responding personnel during check in at the incident command post, fire camp and/or staging area. Alternative accommodation and meals must have prior written approval from the Provincial/Regional/Incident Expense Authority.

When meals are not explicitly provided by the incident, the provincial government Group 1 per diem reimbursement rates apply (Appendix).

Where lodging is not explicitly provided, the provincial government <u>approved accommodation rates</u> will apply (double occupancy where possible). In areas where meals and/or accommodation are in excess of provincially approved rates, prior approval by a Provincial/Regional/Incident Expense Authority is required. The accommodation rates are available for lodging only and do not cover additional costs such as long- distance telephone calls, room service, hotel food service meals, and liquor or pay-per-view television services. The Province is not responsible for any unauthorized expenses incurred by personnel responding on behalf of the Province. Unauthorized expenses include, but not limited to, inbetween meal snacks, toiletries, and personal comfort items.

Receipts for all approved expenses must be provided for reimbursement

7.8 RECORD KEEPING

The use of Daily Time Reports ("DTR" FS247B) and daily activity reports (ICS 214) are required for all apparatus and personnel deployed by BCWS to support fire department deployments. Travel time, staging time and active time will be recorded.

Daily Time Reports (DTR) must be completed by the crew supervisors and must be signed off daily by a provincial government employee (SPS or IC/Ops Chief), with appropriate signing authority, and be provided to the incident Finance and Administration section for all personnel and apparatus costing.

7.9 **DEMOBILIZATION (DEMOB) PROCEDURES**

Provincially deployed apparatus and personnel will only be released by BCWS representative inside a fire protection area after consultation with the BCWS Incident Commander. Provincially deployed apparatus and personnel outside a fire protection area will only be released by the BCWS Incident Commander or

designate. Apparatus and personnel that is re-deployed will be coordinated through the SPCO. Released apparatus and personnel will follow demobilization check-out procedures through the Staging Manager or the SPCO.

On the occasion when an SPU unit is being released and its' equipment is still being utilized, at the discretion of the SPS, substitute items may be provided until actual items are returned. At the conclusion of the fire season after the BCWS has had the opportunity to return utilized equipment, an invoice may be submitted to BCWS for reimbursement of any outstanding equipment lost or damaged.

7.10 BILLING

Invoices may be submitted to BCWS for reimbursement bi-weekly during deployment or within 60-days following provincial deployment. Exceptions to this timeframe should be discussed with BCWS Superintendent – Fire Services within the 60-day period. Billing for Provincial Deployments will be directed to the respective Fire Centre indicated on the Drawdown, and billing for Fire Department Initial Attack (FD IA) should be directed to the requesting Fire Zone.

1.1 DAMAGED APPARATUS AND EQUIPMENT

All equipment lost or damaged during deployment, over and above normal wear and tear, must be immediately reported in writing to the SPCO and/or Superintendent – Fire Services or in their absence to the BCWS Operations Section Chief. A signed list of lost or damaged equipment must be provided to provincial representatives prior to departure of the incident. BCWS may reimburse for uninsured losses suffered to fire department equipment while in the service of the BCWS. Claims will be submitted to BCWS Fire Services at spco@gov.bc.ca and reimbursement will be based on the age, kind and quality of equipment, and any claim will be verified by a BCWS provincial representative before it is released, to ensure the damage was during tactical engagement and not a result of accidental undue care and attention by personnel.

8. Mutual Aid

Fire departments are responsible for their own costs which they incur in response to fires within their fire protection area. The IAA maintains an established commitment to mutual aid from BCWS, on behalf of the province, to assist local governments with incidents beyond local government resource capacity. All wildland and structural resources coordinated and deployed into a jurisdiction by BCWS will be at the expense of the Province in accordance with this Interagency Agreement through the resource request process.

8.1 **OPERATIONAL PERIODS**

If the fire department requires additional resources, local mutual aid agreements within the first operational period of 12 hours can be utilized. Costs associated with those mutual aid efforts will be the responsibility of the local jurisdiction within this first operational period. At such time BCWS is on-scene, and/or the first operational period has concluded, all resources coordinated by BCWS will be at the expense of the Province.

	Jurisdiction			
Responsible Agency	Fire Protection Area	Crown Land Within Fire Protection Area	Outside Fire Protection Area	
Local Government	Yes- Responsible Party	Voluntary	Voluntary	
BCWS	If requested by Local Government	Yes- Responsible Party	Yes- Responsible Party	
Compensation from BCWS	No	Yes, ONLY if prior approval from RWCO	Yes, ONLY if prior approval from RWCO	

8.2 BCWS - LOCAL GOVERNMENT RESPONSIBILITY MATRIX

8.2.1 Voluntary Response

In the case of a voluntary initial attack response during an evolving interface-fire situation where jurisdiction is not clearly defined, the fire department will not claim compensation for their resources for the first operational period (to a maximum of 12 hours) unless through written authorization from the RWCO or the formal establishment of unified command.

8.3 **REPORTING AND REQUESTING ASSISTANCE**

The BCWS will, upon receipt of a fire report in an area deemed to be the responsibility of a fire department, forward known information to the appropriate fire department without delay. When a fire department is reporting a wildfire and/or requesting assistance it is expected to provide key information to the BCWS as follows:

- Fire department name and location of fire,
- What is burning and what is threatened,
- Current weather. Example: Wind, temperature
- Access to the fire location
- what resources and agencies on route or on scene,
- Type of assistance required, fire potential and fire behavior,
- Fire Department Command and radio channel to be contacted on. Example: OFC1 and 2, plus RR and BCWS Silver radio frequency,
- Water sources at or near the fire, if known, and
- Power lines, gas lines, or other known safety concerns.

8.4 CROWN LANDS OR UNORGANIZED AREAS

Where Provincial Crown lands exist within a fire department's protection areas and wildfire occurs whereupon the fire department takes action, the fire department is entitled to compensation from the Province provided that the action was approved by the appropriate RWCO. Similarly, where a fire department is requested by BCWS to action on a wildfire outside its jurisdiction, in areas where there is no local fire department protection, the fire department is entitled to compensation. This approval process is facilitated through a phone call to the Provincial Wildfire Reporting Centre at *5555 or 1-800-663-5555

8.5 COMPENSATION

Where approved by a BCWS representative, compensation will be based on the current rates contained within this agreement. These rates will be all-found rate and are considered inclusive of administrative wages, mileage and fire line consumables. Deployment times will be rounded to the nearest half hour and will be inclusive of fueling, clean up and refurbishment of fire line apparatus daily. The fire department will be compensated through submission of an itemized invoice to the approving Regional Wildfire Coordination Centre ("RWCC") based on the resource type used. Supporting documentation (Daily Time Report) must be submitted with the itemized invoice.

8.6 RELIEVING A FIRE DEPARTMENT

Where a wildfire occurs in an area that is outside of an established fire protection area and a fire department has taken voluntary fire response action, the BCWS will take over fire response efforts at the earliest opportunity.

Where a fire department anticipates extended duration wildfire suppression and mop-up within its jurisdiction, the fire department may request assistance from the BCWS with the objective of being assisted in the containment stage of that wildfire event.

It is recognized by the BCWS that it is in the best interest of the public for the fire department to maintain emergency response capabilities within its jurisdiction. This will be considered when determining whether final mop-up will be completed by the BCWS.

8.7 FIRE ORIGIN AND CAUSE INVESTIGATION

It is the responsibility of the agency with jurisdictional authority to identify fire origin and cause on all wildfire events. Agencies may request fire investigators from partnering agencies to support or lead wildfire investigations if required. The agencies will cooperate to the fullest extent possible in providing fire origin and cause investigation expertise recognizing the importance of timely investigation.

Where wildfire control measures are undertaken by the BCWS, the Province maintains the right to recover costs incurred, through an administrative billing process to landowners. The BCWS reserves the right to apply fines and/or administrative penalties and/or proceed with charges against those parties who are determined to be in contravention of the Wildfire Act or Wildfire Regulation.

8.8 JURISDICTIONAL BOUNDARY AND PERSONNEL UPDATES

Annually, prior to May, the BCWS Fire Centre/Zone personnel will confirm all fire department contacts for fire reporting, requesting assistance and other information deemed relevant to wildfire management.

To ensure that information is current and consistent, fire departments are requested to provide a digital map file to the BCWS Fire Centre/Zone outlining the external boundaries of their fire protection area, a list of key 24-hour contacts, fire apparatus and relevant equipment within the fire department. Any changes to the jurisdictional boundaries should be submitted when implemented by the local authority.

9. Contract Agreement with Fire Department Initial Attack

9.1 **OBJECTIVE**

Initial attack remains the highest priority and use of fire department personnel and equipment is a valuable resource to assist BCWS in times of extreme fire activity and resource shortages.

9.2 DELIVERABLE

Fire department personnel that are willing and capable of providing initial attack resources for BCWS. Notwithstanding the staffing listed in the appendix, resources will be configured as a self-contained three-person crew, with crew leader, two Firefighters and fire apparatus, suitable for wildfire response.

BCWS may request Fire Department Initial Attack (FD IA) crews "on standby" as part of the regional preparedness plan. Upon activation, the FD IA crews will be integrated into the command structure of the BCWS Ministry Zone Operations Centre, added to the Preparedness Plan and be given instruction and direction through the BCWS Zone command structure.

The focus of FD IA is interface initial attack fires outside established fire protection area during periods where external surge capacity is required. BCWS crews are principally focused on remote wildland fires.

9.3 REQUIREMENTS FOR CREWS

Fire Department IA Crew personnel will be physical fit and meet the required training and equipment as outlined in *11.2.3 Mandatory Crew Requirements*.

9.4 COMPENSATION AND HOURS OF WORK

Personnel and equipment will be compensated through the IAA for crew leader, Firefighters and apparatus type. Standby rates for apparatus will be compensated at ½ of the All Found rate. The All Found rate is inclusive of apparatus and personnel. Crews and equipment will be expected to be ready for response within 30 minutes of activation when on standby.

Hours of availability, including regular and standby, will be set in advance by the BCWS ZWCO or RWCO. Regular shifts will be 8 hours in duration which includes a one-hour lunch break. Standby hours typically occur after the regular work shift ends but can also be in advance of it, and during lunch breaks. Standby rates will only be paid when mutually agreed upon by both parties (standard Standby time frames: 0800 – 2000 or 0600-2300 as indicated when notified of standby).

9.5 **PRIORITIZATION**

BCWS agrees to release the fire department initial attack personnel and equipment if fire department resources are required to respond to emergencies within their fire protection areas. Fire department personnel will advise BCWS immediately if they are required to disengage from BCWS, and availability and compensation will cease at that time. The fire department will provide an update to the ZWCO or the RWCO if the status and availability of the crew changes.

10. Fire Department use on Prescribed Fire

10.1 OBJECTIVE

Where the BCWS or Province of British Columbia has jurisdiction to facilitate a prescribed fire project and the use of fire department personnel and equipment is agreed upon to staff a burn, the IAA will be used to set service delivery expectations and clarify reimbursement rates.

10.2 REQUIREMENTS

Where a fire department is willing and able for providing resources to a BCWS led or co-led prescribed burn, the fire department will be configured, equipped, and trained to the same level as a response activation as defined by the IAA.

When activated, fire department resources will be integrated into the organization of the prescribed burn and report to the Burn Boss or ICS designate within the command structure. Due to the necessity to meet the staffing requirements of an approved Prescribed Burn Plan, fire department resources must remain assigned to the fire for the duration of the prescribed activity and may only be released if approved by the Burn Boss.

Where practical and approved by the Prescribed Burn Boss, trainee and developmental opportunities can be made available however these will be considered supernumerary resources to the burn plan requirements and can be released during the prescribed activity if required.. These resources must also be integrated into the command structure of the burn and be assigned appropriate supervision while on-site. If required, supernumerary resources may be re-tasked to local emergency response where possible and at the approval of the Prescribed Burn Boss.

10.3 COMPENSATION

Personnel and equipment will be compensated through the IAA based on pre-planned and agreed to service delivery staffing levels. As this is a planned event, it is required that the Burn Boss or designate and the Fire Chief or designate come to a documented agreement beforehand that captures the resources requested, the expected duration of the assignment as well as mobilization details. Supernumerary trainee and developmental staff will not be compensated unless agreed to in writing beforehand.

11. Apparatus and Personnel Remuneration Guidelines

Fire departments providing apparatus requested by the Province will be reimbursed by the Province according to the information provided in this IAA and the accompanying appendices in *Section 10.1 through to 10.5*. Apparatus has been typed according to the Canadian Interagency Forest Fire Centre (CIFFC) Mutual Aid Resources Sharing Agreement (MARS) and the US National Interagency Fire Center (NIFC) Mobilization Guide. Minimum requirements for equipment, personnel, and capabilities have been listed (all capacities are listed in US and Imperial Gallons). Apparatus must be equipped with appropriate appliances, nozzles, spanners, and hand tools to be operationally ready.

The remuneration rates contained in this agreement apply to fire departments and personnel responding to a provincial deployment of fire apparatus and personnel. The rates will be reviewed annually and adjusted where required.

11.1 APPARATUS RATES

The following rates are to identify equipment hourly rates for invoicing purpose.

Engine Repair Reimbursement	Rate
Engines defined by CIFFC Canadian Interagency Mutual Aid Resources Sharing (MARS) Agreement Appendi National Interagency Fire Center, 2024 National Interagency Standards for Resource Mobilization.	x J – & the US
Engine Repair Reimbursement, 0-20 year apparatus	100%
Engine Repair Reimbursement, 21+ year apparatus	75%

Apparatus	\$ / period
Aerial Apparatus, Type 1, all found (elevated stream)	\$994/hr
Aerial Apparatus, Type 2, all found (elevated stream)	\$855/hr
Boat only; engine 25 to 90 HP; minimum 1 staff	\$133/hr
Boat, pump 1000 USGPM; engine 350 to 450 HP; minimum 3 staff	\$570/hr
Boat, pump 125 USGPM; engine 90 to 150 HP; minimum 4 staff	\$392/hr
Boat, pump 1500 USGPM; engine 450+ HP; minimum 4 staff	\$632/hr
Boat, pump 250 USGPM; engine 125 to 250 HP; minimum 3 staff	\$453/hr
Boat, pump 500 USGPM; engine 250 to 450 Hp; minimum 3 staff	\$542hr
Mechanic's Truck, 1 mechanic, all found	\$270/hr
Mobile Command, 2 personnel, all found	\$511/hr
Mobile Command, 3 personnel, all found	\$602/hr
Mobile Communication, Type 1, all found	\$374/hr
Mobile Communication, Type 2, all found	\$305/hr
Mobile Communication, Type 3, all found	\$188/hr
Rescue Vehicle, all found	\$409/hr
SPU (Equipment Only), deployed (Open) rate, Type 2 all found	\$4234/day
SPU (Equipment Only), standby (Closed) rate, Type 2, all found	\$2117/day
SPC (Personnel Only), 5 personnel - deployed rate, all found	\$461/hr
SPC (Personnel Only), 5 personnel - standby rate, all found	\$231/hr
Structure Engine, Type 1, all found	\$717/hr
Structure Engine, Type 2, all found	\$601/hr
Water Tender, Support Type 1, all found	\$444/hr
Water Tender, Support Type 2, all found	\$361/hr
Water Tender, Support Type 3, all found	\$338/hr
Water Tender, Tactical Type 1, all found	\$444/hr
Water Tender, Tactical Type 2, all found	\$373/hr
Wildland Engine, Type 3, all found	\$568/hr

Wildland Engine, Type 4, all found	\$437/hr
Wildland Engine, Type 5, all found	\$419/hr
Wildland Engine, Type 6, all found	\$384/hr
Wildland Engine, Type 7, all found	\$252/hr

STRUCTURE PROTECTION UNITS / STRUCTURE PROTECTION CREWS

SPU/SPC Vehicle rates	Per kilometer
Tow vehicle (SPU)	\$0.99 from station
Crew Vehicle (SPC)	\$0.99 after first 250 kilometer per day

- Vehicles, the SPC is to be deployed with 2 support vehicles (1 tow and 1 crew).
- **Deployment Rates** for SPC apply when the SPC departs Point of Hire. Deployment Rates for the SPU begin when the SPU has been opened and is in use, up to re-loading and completion of equipment inspection to the satisfaction of the Province.
- **Standby Rates** for the SPC apply upon request from SPCO at home location/Point of Hire. Standby Rates for the SPU are 'All Found' and apply for transport days inclusive of any mileage, and all days where the SPU is unopened (Closed) and equipment has not been deployed from the SPU. The Standby Rate of the SPU unit does not apply after the day of notification where the Province has requested pickup of the SPU by the Fire Department, and before the SPU is retrieved from the location designated by the Province.
- In cases where fire department personnel deliver or pick up the SPU without an SPC, compensation will be provided for up to two (2) personnel in addition to mileage as per 11.1.3 Single Resource Response Rates for Vehicles and 11.2.1 Firefighter Wages.

OTHER APPARATUS:

Fire department vehicles and/or apparatus not included on the schedules above are not compensated unless agreed to in writing by a Provincial Structure Protection Coordination Officer (SPCO) and approved by an Expense Authority. In these cases, the Province of British Columbia will pay reimbursement by contractual agreement where the equipment is not specified in these rates.

11.1.1 Deployment Per Diem Rates

On the date of departure, Travel Status must start before 7:00 a.m. to claim breakfast; before 12:00 noon to claim lunch; and Travel Status must end after 6:00 p.m. to claim dinner. The same timelines are used throughout deployment workdays. Where meals are provided at incident, Per Diem rates do not apply. Meal and per diem allowances effective April 1, 2023 are as follows, and will increase if there are any increases in travel rates during the Term.

Deployed personnel with special dietary restrictions/requirements that cannot be accommodated within established fire camps, can be eligible for Per Diems. Notation specifying this should be included on the DTR.

Breakfast only (B)	Lunch only (L)	Dinner only (D)	Maximum Full Day	B & L only	L & D only	B & D only
\$14.58	\$16.87	\$29.16	\$60.61	\$31.45	\$46.03	\$43.74

11.1.2 Single Resource Response Rates for Vehicles

Vehicle rates are as follows, and will increase if there are any increases in travel rates during the Term.

Vehicle Per Deim	Per kilometer
Half-ton pickup trucks/SUVs	\$0.61
Three-quarter-ton pickup trucks/SUVs	\$0.82
One-ton pickup trucks/SUVs	\$0.99

11.2 PERSONNEL WAGE RATES

The Province may require Firefighters and management personnel as additional resources during major emergency events. Those Firefighters and management personnel who are conscripted, seconded or contracted will be reimbursed according to the following schedules:

11.2.1 Firefighter Wages

In some circumstances, Firefighters may be required to respond without apparatus. In addition, it may be necessary to assign personnel to apparatus to increase the minimum staffing identified in the tables above. Additional firefighting personnel will be reimbursed according to the following table.

Firefighter Wage Rates			
Volunteer Fire Department Personnel	Salary/wages at their regular place of employment or \$56.00/hour whichever is greater		
Career Fire Department Personnel	Fire Fighter Collective Agreements (wages and benefits)		
For personnel covered by Firefighter Collective Agreements, overtime entitlement and rates will be paid according to their Collective Agreements. This rate table will only be applicable for deployment purposes where personnel are not considered part of an "all found rate" apparatus crew or Structure Protection Crew.			

11.2.2 Single Resource Wages

Fire Service members may be required to fill positions within a local BCWS Operations Centre and/or at incident site level. Personnel who are seconded, or requested will be reimbursed according to the following schedule.

BCWS maintains a roster of trained and qualified personnel on the BCWS Single Resource Group (SRG). The training requirements for personnel filling Division/Group Supervisor, Strike Team/Task Force Leader, Assistant Safety Officer, and other roles are defined and described within BCWS Fire Services and can be shared upon request.

Single Resources will be reimbursed for actual hours travelled and/or worked on initial day of deployment and minimum 12 hours per day or actual hours worked if greater than 12 hours for subsequent days. On day of demobilization personnel will be reimbursed for actual hours travelled or worked.

Where Collective Agreements, Management Contract rates, or regular hourly rates vary from the rates listed in this document, the higher rate will apply. All rates for single resources positions are hourly, reviewed annually and revised as required.

Single Resource position wages if no collective agreement/contract in place	
Incident Commander, Division Supervisor, Strike Team/Task Force Leader	\$71
Other incident management positions	\$71

11.3 MANDATORY CREW REQUIREMENTS

All personnel will be physically fit and meet the requirements below. All crews include 1 Crew Leader.

Training Requirements	Crew Leader	Structural Protection Crew Member	Apparatus Member		
Incident Command	ICS 200	ICS 100	ICS 100		
Apparatus Crew Lead (ENGB)	Apparatus requires NFPA Fire Officer 1 (equivalent), or BCWS IC4 certification. Engine Boss (ENGB) recommended.	SPP-115***	Exterior Operations Fire Fighter, or higher (i.e. NFPA 1001)		
Structure Protection Crew Leader (SPCL)	SPP-115***				
Fireline Training	All personnel will hold Wildland Fire Fighter-1 (SPP-WFF-1) ** All personnel will complete Annual Fireline Safety refresher training as per SPP-WFF-1.				
First Aid Training	All personnel will hold a Basic First Aid Certificate with Transportation Endorsement* or higher (i.e. Advanced First Aid, FR, EMR, PCP).				
	Each Apparatus or Structure Protection Crew must have one member who holds Advanced First Aid or higher (i.e. Advanced First Aid, FR, EMR, PCP).				
Radio Training	All pe	rsonnel will hold a S212 or equiv	alent		

*WSBC previously defined Basic First Aid as OFA-1 and Advanced First Aid as OFA-3.

**WFF-1: S-100 Basic Fire Suppression & S-185 Fire Entrapment Avoidance and Safety is equivalent.

***As of 2023 personnel deployed provincially as Structure Protection Crew (SPC) are required to have taken the SPP-115 course as of Fall 2019. SPP-115 taken previously will not be recognized for deployment. SPP-115 qualification considered expired after five (5) years from course completion.

Equipment Requirements	Crew Leader	Crew Member		
Cell phone	Yes: crew leader must be competent to use	no		
Wildland Personal Protective Equipment	Yes	Yes		
Radios	Yes: Radios preprogrammed with OFC1 and OFC2 radio frequencies, plus resource roads and all BCWS channels outlined in the appendix			

11.3.1 Personal Protective Equipment

Personnel may be withheld from deployment and sent home at their expense if not adequately equipped; Staging Managers will be conducting/coordinating personnel PPE, apparatus, and SPU checks.

The required personal protective equipment will include:

Equipment for each Crew Member:

- One WorkSafe BC approved hard hat complete with chin strap. Recommended to be fitted with helmet mounted earmuffs CSA Standard Z94.2;
- One high visibility vest (for working around heavy equipment or helicopters);
- One emergency whistle
- One pair of work gloves as described in Section 8.19 of the OH&S Regulation;
- One pair of CSA certified safety eyewear for working around helicopters or foam;
- CSA approved footwear, minimum 6" boot.
- 1x 4" / 10cm compress dressing.
- Flame resistant clothing that meets CAN/CGSB 155.22-2014, CAN/CGSB 155.22-97, or NFPA 1977 standards. Clothing must have tags proving they meet one of these standards and this may be checked during initial or monitoring inspections. Firefighters should wear 100% cotton undergarments.
- 1x Fire Line backpack.
- One Sunscreen;
- Two insect repellents;
- Headlamp with spare batteries.

Additionally, Type 1 to Type 3 Engines inclusive will have structural firefighting personal protective equipment as follows:

- Full Structural Firefighting Gear as per NFPA 1971 including, structure firefighter boots, structure firefighter gloves, balaclava, pants, coat and structure Firefighter helmet.
- Self Contained Breathing Apparatus (SCBA) as per NFPA 1981 with 1 per assigned member (Type-1 to Type-3).

11.4 MANDATORY APPARATUS REQUIREMENTS

Reimbursement rates listed are for All-Found apparatus. All-Found apparatus includes vehicles, equipment, and applicable insurance, all minimum required equipment and appliances, minimum personnel, fuel and routine maintenance costs.

NOTE: Costs for additional personnel above the minimum number will not be covered unless authorized in advance by a BCWS representative.

Bare rates have not been listed due to specialized knowledge required to safely operate apparatus (i.e. Truck Company).

If fuel is not readily available or accessible from commercial or retail sources, the Province will arrange access to fuel supplies that will then be available for purchase.

For All-Found rates, routine maintenance costs are the responsibility of the supplying department (this includes maintenance done during deployments). However, damage as a direct result of a provincial deployment, not covered by vehicle and equipment insurance as part of the all-found rate, that is reported to a BCWS representative prior to departure and release may be reimbursed by the Province with Expense Authority approval in accordance with the pro-rated apparatus repair reimbursement rate.

Reimbursement rates for deployment damaged apparatus not covered by vehicle insurance as part of the all-found rate, or by ICBC are listed in the Reimbursement section. Engines are defined within this agreement and align with the US National Interagency Fire Center, Interagency Standards for Fire and Fire Aviation Operation, 2024. <u>https://www.nifc.gov/sites/default/files/redbook-files/RedBook_Final.pdf</u>

APPARATUS MINIMUM REQUIREMENTS:

All Apparatus may be subjected to off-road use (i.e. unpaved roads). Commercial vehicle inspection must be current, and decal displayed. Apparatus older than 25 years will be considered for deployment only if it certified by a qualified Technician as mechanically sound. Documentation of the apparatus mechanical certification must be made available upon request.

Engine Type	Staff / crew	Tank Size USG	Pump USGPM	Pump PSI	Pump & Roll	Ladders	Master Stream	2.5″ hose	1.5″ hose	¾″ hose
Type 1 (structure)	4	300	1000	150	No	Yes per NFPA 1900	Yes	1200' BAT	500' NPSH or QC	200' GHT
Type 2 (structure)	4	300	500	150	No	Yes per NFPA 1900	No	1000' BAT	500' NPSH or QC	200' GHT
Type 3 (wildland)	3	500	150	250	Yes	No	No	No	1000' NPSH or QC	500' GHT
Type 4 (wildland)	3	750	50	100	Yes	No	No	No	300' NPSH or QC	300′ GHT
Type 5 (wildland)	3	400	50	100	Yes	No	No	No	300' NPSH or QC	300' GHT
Type 6 (wildland)	3	150	50	100	Yes	No	No	No	300' NPSH or QC	300′ GHT
Type 7 (wildland)	2	50	10	100	Yes	No	No	No	No	200' GHT

ENGINE MINIMUM REQUIREMENTS

ENGINE EQUIPMENT MINIMUM INVENTORY

	Engine Type						
Equipment	1	2	3	4	5	6	7
Adjustable Hydrant Wrench	1	1	1	1	1	1	0
Backpack Pumps	2	2	2	2	2	2	2
Chain File	1	1	1	1	1	1	1
Chainsaw (minimum 18" Bar)	1	1	1	1	1	1	1
Chaps	1	1	1	1	1	1	1
Double Female, 1.5"	1	1	1	1	1	1	0
Double Female, 2.5"	1	1	1	1	1	0	0
Double Male, 1.5"	1	1	1	1	1	1	0
Double Male, 2.5"	1	1	1	1	1	0	0

Forestry Adapters, 1.5″ QC x ¾	1	1	1	1	1	1	0
Forestry Adapters, 1.5" QC x 1.5" FNPSH	3	3	3	3	3	1	0
Forestry Adapters, 1.5" QC x 1.5" MNPSH	3	3	3	3	3	1	0
Forestry End Cap, 1.5" QC	1	1	1	1	1	1	0
Fuel/Bar Oil Container TC approved	1	1	1	1	1	1	1
Gate Valve 2.5" FBAT x MBAT	2	2	2	2	2	2	0
Gated Wye, ¾" GHT	2	2	2	2	2	2	2
			_				2
Gated Wye, 2.5" FBAT x 1.5" MNPSH	1	1	1	1	1	0	-
Hose Strangler 1.5" (forestry hose clamp)	0	0	1	1	1	1	0
Hose, gaskets, 1 ½"	6	6	6	6	6	6	6
Hose, washers, ¾"	6	6	6	6	6	6	6
Nozzles, Combination Fog/Straight Stream ¾" FGHT	2	2	2	2	2	2	2
Nozzles, Combination Fog/Straight Stream 1.5" FNPSH	2	2	2	2	1	1	0
Nozzles, Forestry, Multi Aperture 1.5" FNPSH or QC	2	2	2	2	2	2	1
Reducer, 2.5" FBAT x 1.5" MNPSH	1	1	1	1	1	0	0
Spanner Wrenches, Combination 2.5" & 1.5"	4	4	4	4	4	2	0
Spare Chain	1	1	1	1	1	1	1
Suction Lines, 10' Hard with Strainer or Screened Foot Valve	2	2	2	2	2	2	2
Tape, Flagging, rolls	2	2	2	2	2	2	2
Three-Way Valve 1.5" QC	1	1	1	1	1	1	0
Tool, Felling Axe	1	1	1	1	1	1	1
Tool, Felling Wedge	1	1	1	1	1	1	1
Tool, Pulaski	2	2	2	2	2	1	1
Tool, Spade Shovels / Grub Hoe	3	3	3	3	3	2	2
Water Thief 1.5" QC x ¾" GHT Shut-off	4	4	4	4	4	4	0

TENDER MINIMUM REQUIREMENTS

Tender Type	crew	Tank Minimum Capacity / USGal	Pump Minimum Flow (USGPM)	@ Rated Pressure (PSI)	Maximum Refill time (Minutes)	Pump and Roll	Pump Discharge Minimum
Water Tenders, Support, Type 1	2	4000	300	50	30	No	
Water Tenders, Support, Type 2	2	2500	200	50	20	No	1-2.5" Discharge
Water Tenders, Support, Type 3	2	1000	200	50	15	No	MBAT or 2-1.5"
Water Tenders, Tactical, Type 1	2	2000	250	150	х	Yes	Discharge MNPSH
Water Tenders, Tactical, Type 2	2	1000	250	150	Х	Yes	

TENDER EQUIPMENT MINIMUM INVENTORY

Equipment	Quantity
Nozzle-1.5" combination fog/straight stream FNPSH	1
Double male-1.5" MNPSH	1
Double female-1.5" FNPSH	1
Double male-2.5" MBAT	1
Double female-2.5" FBAT	1
Reducer-2.5" FBAT x 1.5" MNPSH	1
Reducer 4″ Stortz x 2.5″ MBAT	1
Gated wye-2.5" FBAT x 1.5" MNPSH	1
Gate valves-2.5" BAT	2
Fire hose clamp-2.5"	1
Forestry Adapter-1.5" MNPSH x 1.5" QC	2
Forestry Adapter-1.5" FMPSH x 1.5" QC	2
Spanner wrench combination 1.5" x 2.5"	2
Adjustable hydrant wrench	1
Fire hose 1.5", cotton/synthetic jacket, NPSH couplings	200'
Fire hose 2.5", cotton/synthetic jacket, BAT couplings	200'
Suction hoses-10' (for on-board pump)	2
Suction strainer, barrel or low level (for on-board pump)	1
Spade shovels	1
Pulaski Tools	1
6 mil poly sheet or tarp approx. 6' x 12' (for creek damming)	1
Chainsaw (minimum 18" bar)	1
Chainsaw chaps with minimum 3600tcs	1
Spare chain	1
Chain file	1
Felling axe	1
Felling wedge	1
Fuel/bar oil container (TC Approved)	1

CONSUMABLES SUCH AS FOAM WILL BE SUPPLIED OR REIMBURSED BY THE PROVINCE

TRUCK COMPANY MINIMUM REQUIREMENTS

Aerial Apparatus						
	Туре 1	Туре 2				
Aerial (Specify Aerial, Platform or Elevated Stream)	75′	50'				
Elevated Stream	500 USGPM / 425 IGPM	500 USGPM / 425 IGPM				
Ground Ladders	115' (Total)	115' (Total)				
Personnel	4	4				

RESCUE VEHICLE MINIMUM REQUIREMENTS

Rescue Vehicles	
Extrication Equipment	Yes
Stabilization Equipment	Yes
Medical Equipment	Yes
Embankment Equipment	Optional
Personnel	2-4

MOBILE COMMUNICATIONS MINIMUM REQUIREMENTS

Mobile Communications						
	Type 1	Type 2	Туре 3			
Consoles Workstations	2	2	1			
Frequency Capability	Multi-Range*, Programmable	Multi-Range*, Programmable	Single Range**, Programmable			
Power Source	Internal	Internal	External			
Telephone Systems	6 Trunk / 16 Extension Lines					
Personnel	2	2	1			

*Multi-Range: 150 174 MHz, 450-470 MHz, 800 MHz (Simplex & Repeated)

**Single Range: 150-174 MHz and OFC1 - 155.460 MHz Tx/Rx (Narrow Band) & OFC2 - 150.350 MHz Tx/Rx (Narrow Band)

MOBILE COMMAND UNIT MINIMUM REQUIREMENTS

Mobile Command Unit	
Workstations	Yes - supplied with computers and telephone system (cellular or external)
Satellite phone capacity	Yes
Internet	Yes
Climate control	Yes
Self-contained	Yes
Personnel	2 or 3

11.5 FIRE DEPARTMENT STRUCTURE PROTECTION UNIT (SPU)

11.5.1 Fire Department Responsibilities for SPU Equipment

The Fire Department must ensure the following:

- SPU(s) that contain the equipment provided in this document.
- Fire Departments must ensure all equipment is clearly marked or identified with the Fire Department's name, and ensure portable tanks or relay tanks are clearly marked or identified on the top rim and all hose within two (2) feet of the couplings.
- The Fire Department must provide make and model of trailer, gross vehicle weight rating and actual loaded vehicle weight for all SPU to be deployed with a valid CVI.

- The trailer must contain one spare tire complete with rims, jack, tire wrench and roadside emergency markers (reflective triangles).
- Towing vehicle, which must meet all legal requirements including insurance to tow the trailer.
- The equipment listed in *11.5.2 SPU Inventory* will be contained in an appropriately sized SPU that can safely and securely transport the equipment anywhere in the province.
 - As of March 1, 2024, only an SPU of 20 feet (not including tongue) with a minimum of 9800 lbs GVW will be accepted.
- A complete listing of the equipment will be contained in the SPU.
- Only items on the equipment list will be eligible for replacement if lost or damaged. The equipment may be inspected by the Province prior to issuing a Service Request/Drawdown. The SPUs may be moved by the Province's personnel (or contract crews) in and around the fire location.
- All necessary mechanical and/or commercial vehicle inspections must be maintained in good standing and will comply with the provisions, rules and regulations of the Motor Vehicle Act.

SPU Inventory List							
Category	Item	Description	Quantity				
Pump Tool Kit boxes	Each box contains all the iter below.	Each box contains all the items in the SPU Pump Toolbox Content list below.					
Pumps	High Pressure Mark 3/Watson and Wick 375	Either: 6 Mark 3's/Watson or Wicks or 5 Mark 3's/Watsons or Wicks and 1 BB 4 Pumps recorded on list provided to BCWS	6				
Suction Hoses	2"/ 51mm Suction hose x 10' / 3.2m	with aluminum foot valve & strainer	7				
Fuel Cans	Fuel Cans	25 Litre Jerry Cans	12				
Fuel Lines	Fuel Lines	Single Can	8 single lines total; 1 in each pump box and 2 spares				
Fuel Lines, extra	Extra Fuel lines	Dual fuel line for pumps	7				
Motor Oil	Mixed oil	12 Litre Case 2 cycle synthetic oil	2				
Berms	Portable Berms	4' x 4' for pump site containment	2				
Hose, BCT = BC Thread	2.5"/64mm diameter Non-percolating	50' / 15.2m BCT couplings 300 psi, 2100 kPa to BCWS specifications	20 see note below				
Hose, QC = Quick	1.5"/ 38mm diameter percolating	100' / 30.5m QC 300 psi to BCWS specifications 2100 kPa	25 see note below				
Couple	1.5"/38mm diameter percolating	50' /15.2m QC 300 psi to BCWS specifications 2100 kPa	50 see note below				
Hose, GHT = Garden	Econo 5/8"/16mm or ¾" / 19mm diameter hose	50' /15.2m with ¾"/19mm GHT couplings 300 psi 2100 kPa	150				
Hose Thread	Econo 5/8″/16mm or ¾″ diameter hose	25′ / 7.62m or 30 ' / 9.1m with ¾″ 19mm GHT couplings 300 psi 2100 kPa	100				
Nozzles	¾"/19mm GHT thread	Brass	5				

11.5.2 SPU Inventory List

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Valves	1.5"/ 38mm	3 way QC with shutoff	30	
	Roof butterfly ½"/ 13mm head	39.5"/ 1m overall length aluminum pole with ¾" / 19mm M x FGHT threads (4.3 USGPM / 19.5 LPM @ 50 psi / 345 kPa = 26' / 7.9m wetted radius)	30	
	Washing Machine Hoses	5' or 6'	15	
	End Caps	¾" FGHT	15	
Sprinklers	Impact Sprinkler	Large 1" / 25mm or ¾" / 19mm, ½" / 13mm steel dual step spike, brass head, full circle impact 7/32" / 5.6mm nozzle, 7.8 USGPM / 35.5 LPM @ 50 psi / 345 kPa = 55' / 16.8m wetted radius), or 3/16" / 4.8mm nozzle, 5.8 USGPM / 26.4 LPM @ 50 psi / 345 kPa = 51' / 15.5m wetted radius	50 (up to 25 can be offset sprinklers if have 50% as step spike, also can substitute medium for large)	
	Impact Sprinkler	Small ½" / 13mm, steel dual step spike, brass head, full circle impact 5/32" / 4mm nozzle, 4.3 USGPM / 9.5 LPM 50 psi / 345 kPa = 41' /12.5 m wetted radius) or 764" / 2.8mm nozzle, 2.0 USGPM / 9.1 LPM @ 50 psi / 345 kPa = 36' / 11 m wetted radius	50 up to 25 can be offset sprinklers if have 50% as step spike; can substitute medium sprinklers for small but smaller nozzles are required	
	WASP Gutter Mount Sprinkler	Large, 5.0 USGPM @ 50 PSI Gutter Mount	25	
	WASP Gutter Mount Bracket	Fascia/Fence Brackets	25	
	Painter's Pole	Adjustable 12'	1	
W(show this yes	2.5"/ 64mm M x F BAT thread x 1.5"/ 38mm QC	Pyrolite	15	
Water thieves	1.5"/ 38mm QC x ¾"/ 19mm male GHT with shutoff	Pyrolite or plastic	100	
		2.5"/ 64mm hydrant gate valve F x M BCT	2	
		2.5" / 64mm BCT double female coupling	1	
	Mahana ang kang kang kang kang kang kang ka	2.5" / 64mm BCT double male coupling	1	
Adapters	Valves, couplers, wyes	2.5" / 64mm BCT gated wye	1	
		2.5" / 64mm BCT to 1.5" 38 mm QC	5	
		Hydrant wrench	2	
		3-way ¾" / 19mm GHT individually gated	20	
		¾" / 19mm GHT double female adaptor	25	
	Miscellaneous ¾″ / 19mm GHT (Econo)	1.5" / 38mm QC x 3/4" / 19mm GHT male reducers	5	
		1.5" / 38mm QC x 3/4" / 19mm GHT female increasers	5	

		3/4" / 19mm GHT Ball valve shutoffs	10			
	Portable tank	2500 imperial gallon / 11,365 Litre	2			
Portable Tank (Relay Tank)	Drain valve kit	3" / 76mm M to 2" / 64mm M drain valve assembly with shutoff	2			
Ladders	Extension	nsion 24' / 7.3m Grade A				
	Generator	2,500 watts minimum	1			
Liebtice Kit	Halogen or LED yard light	Double head with stand or similar	2			
Lighting Kit	Extension cord	50' / 15.2m 12 gauge	2			
	Power bar	Exterior Rated	1			
	Shovel	Spade	1			
	Pulaski		1			
Fire Fighting tools	McLeod Tool		1			
	Axe	2.5 lb / 1.1kg 28" / 71cm handle	1			
	Backpack pump	5 gal / 22L collapsible	1			
Impact Tool Kit	Impact driver only	with case, charger, 2 batteries, bit set	2			
	Tool belt	4 pockets	1			
	Claw hammer		1			
	Pry bar	18"/ 46cm	1			
	Staple gun	(or hammer) with staples	1			
	Pliers	Channel lock 10" / 25cm	1			
Two Carpenters	Screwdriver	Multi	1			
Tool Kits boxes:	Wrench	Crescent 6" / 15cm	1			
	Wrench	Crescent 10" / 25cm	1			
Each Tool Kit must contain these items in	Wrench	Pipe 14" / 36cm	1			
each box	Conduit clamps	50 – 3/8" / 9.5mm in bag 2 hole	4			
	Pipe strapping	100 feet	1			
	Tin snips	+- 10"/ 25cm	1			
	Screws	100 – 1 ¾"/ 44mm	4			
	Screws	100 – 2 1/2"/ 64mm	4			
	Nails	50 – 2 1/2"/ 64mm duplex	4			
Poly	Rolls	2000 square foot 61m x 6ml Heavy (roll is 20' x 100')	2			
Sign boards	Chloroplast / Felt marking pens	2' / 61cm x 2' / 61cm blank	20			
	Flagging Tape Rolls	Red, orange, yellow, blue, green (2" including corresponding identification wording clearly legible "SPU" in black)	5 of each colour			
Таре	Teflon		2 rolls			
	Duct		2 rolls			
	Electrical		2 rolls			
Rags	Rags	Box (1 kg)	2 boxes			

	1		· · · · ·
	Rake	Leaf	1
	Broom	24" Push	1
Miscellaneous Tools	Cutters	Bolt 24"/ 61cm or 36" / 91cm	1
	Saw	Carpenter hand	1
	Circular saw, wood	Electric - cordless	1
		15" / 38cm bungee cords	5
		20" / 51cm bungee cords	5
Trailer Misc.	Tie down straps	30" / 76cm bungee cords	5
		Cargo shelf strap 6' / 1.8m	5
		Ratchet (Pair)	1
Rope	Poly rope -3/8"/9.5mm	500' Roll	1
	Fire extinguisher	5 lb / 2.2 kg ABC	1
Cofoty items	First Aid Kit	Advanced First Aid Kit	
Safety items	Cones	Safety marker 18" / 46cm	2
	PFDs	Personal Floatation Devices	2
	Chainsaw	Min. 57 cc with 20" / 51cm bar	1
	Chainsaw gas can	5 L	1
	Chain oil	4 L	1
Chainsaw Kit	PPE	Chaps, regular with minimum 3600tcs	1
	Tool kit	Bar wrench, grease gun, spare spark plug, chain filing gauge	1
	Files	Chain & Raker	2
	Machete	24″ / 60cm	1
Miscellaneous	Wheelbarrow or Cart	Contractor Grade	1

AS OF MARCH 1, 2023, THE FOLLOWING HOSE SPECIFICATION REQUIREMENTS MUST BE MET:

• 15 ft econo hose will no longer be accepted and hose length must be 25 foot or 30 foot.

Hose description specifications – $1 \frac{1}{2}$ "

Hose must meet the following specifications:

- FIREBREAK II, percolating hose, manufactured by Mercedes Textiles Limited: is the current BCWS hose standard.
- Hose must be 38mm in diameter, 100% synthetic, percolating forestry hose and must meet ULC
 – S519.1-14 "Standard for Synthetic Percolating Forestry Hose".
- Hose must be in 30.5m lengths or 15.25m and coupled with two (2) forged, external-lug quarter turn couplings, complete with face washers and must meet ULC-S551-13 "Standard for Forged External-Lug, Quick Connect Couplings and Adapters for Forestry Fire Hose". Couplings must have ULC Stamp.
- Hose must have a 27mm long expansion ring with back up and face washers for the couplings.

• Hose will have ULC stamp, hose type identification, the year of manufacture and batch number. The identifiers are to be placed immediately after the specification marking, approximately one meter from each end of the hose in addition to being placed at the center of the hose.

HOSE DESCRIPTION SPECIFICATIONS - 2 1/2"

Hose must meet the following specifications and other manufactured hose will not be considered.

- Each hose end must have: aluminum coupling 2 ½" X 2 ¾" BAT, (Right/Left set) one end is the Female threaded coupling and the other end is Male Threaded.
- FORESTGUARD II hose, manufactured by Mercedes Textiles Limited: is the current BCWS hose standard.

Specifications of this hose are:

- Hose must be 64mm in diameter, 100% synthetic, non-percolating forestry hose and must meet ULC S518.1.
- Coupled with Two (2) extruded aluminum and hard coat anodized male & Female threaded couplings 2½" X 2¾" BAT, (Right/Left set).

11.5.3 SPU Pump Toolbox Contents

TOOLBOX, FOR STORAGE OF FOLLOWING:

- Aluminum ball back check valve for discharge side of pump QC.
- Spark plug, spare for pump.
- Rewind rope, spare for pump.
- Mesh wire screen to wrap foot valve.
- Water thief 1.5" / 38mm QC to ¾" / 19mm GHT with shutoff.
- ¾" / 19 brass nozzle.
- 1.5" / 38mm QC 10' 3.2m high pressure (450 psi 3150 kPa) "pony" hose for tandem hookup or first length before back check valve.
- 1.5"/38mm QC nozzle, 4 in 1 multi-orifice (i.e. Hansen).
- Priming bucket, collapsible.
- 3-way valve with shutoff 1.5"/ 38mm QC.
- Mini grease gun for pump.
- Tool kit appropriate for pump (consult MFG and need to be listed).
- Hose wrench for suction hose.
- Tandem adaptor 2" / 51mm F NPSH x 1.5" QC to run 2 pumps in series.
- 1.5" / 38mm male adaptor NPSH x QC.
- 1.5" / 38mm female adaptor NPSH x QC.
- Single fuel line for pump.
- Gasket kit (spares for GHT fittings, pump, suction hose, discharge hoses).

11.5.4 SPU/SPC Vehicle & Equipment Requirements

SPU/SPC VEHICLE MINIMUM REQUIREMENTS:

- Fire Departments agree to supply a minimum of two ³/₄ ton 4x4 pickup trucks for its own SPC transportation to, from and throughout the worksite.
- Vehicles which are seven (7) years old, or older, will have a valid Government Motor Vehicle Inspection sticker.
- Pick-up trucks that are deploying with canopies that cannot be easily removed will have a suitable ladder rack installed.
- Trucks with canopies will have equipment roll out trays to access SPU equipment.
- Trucks must be rated and insured to meet the Ministry of Transportation requirements to tow SPU's.
- Trucks with Flat deck will have sides to secure loads to meet Ministry of Transportation requirements.
- Equipped with the same make and model of all terrain, E load rated tires, on all four wheels and equipped with a spare tire.

SPU/SPC SUPPORT VEHICLE EQUIPMENT MINIMUM REQUIREMENTS (PER VEHICLE):

- Trailer package 2" and 2 5/16" ball (equalizer hitch preferred).
- 2x Mobile radios with FLNRO, OFC, and provincial road frequencies (back board or suitcase type acceptable).
- Advanced First Aid Kit.
- Cargo net.
- 2x Pair ratchet tie downs.
- Chainsaw minimum 57cc with 20" / 51cm bar.
- Chainsaw gas 5L.
- Chainsaw oil 4L.
- Chainsaw Chaps with minimum 3600tcs
- Bar wrench, grease gun, and spare spark plug.
- Files for chain and rakers; and a chain filing gauge.
- 1x 24' Grade A extension ladder in one of the trucks.
- 1x impact drill kit complete with 2 batteries and chargers.
- 1x Ladder rack fabricated of metal on one of the pickups.
- 1x iPads with Avenza Pro App installed and valid/active SIM Card (per SPC vehicle).
- 1x Digital cameras (per SPC vehicle).
- 1x Handheld compass.
- 2x Firefighting shovels.
- 2x Pulaskis.
- 1x MacLeod tool.
- 1x Backpack pump.
- 1x Handheld GPS unit.
- Minimum one (1) Kestrel 3500

11.5.5 Replacement for Damaged Fire Department Equipment

Lost or damaged Fire Department equipment may be replaced in the following ways:

- items may be temporarily replaced with similar quality material from provincial wildland fire inventory (i.e. sprinklers and hose).
- Pumps may be re-imbursed on a case-by-case basis pro-rated with following age criteria 0-5 years 100%, 5- 10 years 75%, over 10 years 50%.
- Fire departments may be reimbursed for damaged or lost equipment provided they submit a reimbursement rate sheet to the Province as part of their submission.
- The Province will reimburse for lost or damaged equipment based on its own cost estimates.

Consumable items (i.e. flagging tape, poly, etc.) will not be replaced and will be the responsibility of the Fire Department to restock.

11.5.6 Apparatus and SPU Consumables

The following items are examples of what is considered as 'consumables' as per 10.5.7 Replacement for Damaged Fire Department Equipment.

- Two cycle oil
- Staples
- Conduit clamps
- Pipe strapping
- Screws
- Nails
- Poly/Felt Marking Pens
- Chloroplast (2 x 2)
- Flagging Tape (SPU coloured)
- Tape (Teflon, Duct, Electrical)
- Rags
- Poly Rope
- Chain oil
- Spark plug
- Rewind rope
- Mesh wire screen
- Grease
- Gasket kit

12. Inter-Agency Agreement Code of Conduct

This policy statement applies to all persons and organizations operating under the Inter-Agency Operational Procedures and Reimbursement Rates agreement (herein known as the IAA), and the requirements herein are in addition existing terms of employment, code of conduct, laws, bylaws and other policies, rules, or requirements existing outside of this IAA. The requirement to comply with these standards of conduct is a condition of deployment. Persons who fail to comply with these standards may also be subject to disciplinary action. All persons operating under this agreement must:

- Exhibit the highest standards of conduct.
- Instill confidence and trust and not bring the BC Wildfire Service, Fire Chiefs Association of BC and their respective Fire Departments into disrepute.
- Act honestly and in good faith.
- Not disclose, release, or transmit confidential information in any form to anyone other than persons who are authorized to receive the information.
- Not use for the purpose of furthering any private interest, or as a means of making personal gains, any confidential information received through deployment.
- Not engage in any activity or speak publicly where this could be perceived as an official act or representation (unless authorized to do so).
- Not jeopardize the perception of impartiality in the performance of their duties through making public comments or entering into public debate, including via social media channels, regarding government, ministry or fire department policies.
- Provide service to the public in a manner that is courteous, professional, equitable, efficient, and effective.
- Be sensitive and responsive to the changing needs, expectations, and rights of a diverse public in the proper performance of their duties.
- Treat all persons with respect and dignity and not engage in discriminatory conduct prohibited by the Human Rights Code of BC. The prohibited grounds are race, colour, ancestry, place of origin, religion, family status, marital status, physical disability, mental disability, sex, sexual orientation, gender identity or expression, age, political belief or conviction of a criminal or summary offence unrelated to the individual's employment.
- Contribute to a safe workplace.
- Not engage in bullying, harassment, violence, or any other inappropriate conduct compromising the integrity of the BC Wildfire Service, or the Fire Chiefs Association of BC. Violence, harassment, or bullying in the workplace is unacceptable. Violence is any use of physical force on an individual that causes or could cause injury and includes an attempt or threatened use of force. Any incident or threat of violence or bullying must be addressed immediately.
- Report a safety hazard or unsafe condition or act, in accordance with the provisions of the WorkSafeBC Occupational Health and Safety Regulations, including any incident or threat of bullying, harassment, or violence. Anyone who becomes aware of a threat must report the threat if there is reasonable cause to believe that it poses a risk of injury.
- Not solicit a gift, benefit, or service on behalf of themselves or others.
- Objectively and loyally fulfill their assigned duties and responsibilities, regardless of the party or persons in power and regardless of their personal opinions.
- Disclose and cooperate to resolve conflicts of interest or potential conflict of interest situations in which they find themselves.
- Check with their supervisor or manager when they are uncertain about any aspect of this policy

13. Natural Resource Ministries (NRM) Radio System Operating Rules

Industry, Science and Economic Development Canada (ISED) has rules that must be observed. In summary the following must be adhered to:

- You will not deliberately interfere with another station.
- You will not transmit superfluous signals. Communications on Natural Resource Ministries' (NRM) channels will be for NRM business or safety purposes only.
- You may not divulge or use information you overhear other than from a public broadcast.

Note: The Natural Resource Ministries (NRM) prohibit the discussion of official policy or personal matters over the radio.

INSTRUCTIONS FOR NATURAL RESOURCE MINISTRY (NRM) RADIO CHANNELS

Before using a radio on the NRM radio system, you must adhere to the following:

- Identify yourself: You need to know the call sign or station name by which you or your station will be identified. You also need to know the call signs or names of the stations you with which you will be communicating. If you do not have a call sign, one can be assigned to you by your local fire center dispatch.
- Know your check in times and keep them.
- Know the frequencies and or channel numbers you will be using in your communications. If you are working through a repeater, you will also need to know the CTCSS Tone for access to that repeater.
- All non-Ministry users must have a 'Letter of Authority' (LOA) issued by the Radio Operations Section of the NRM. These LOAs are valid for up to five years.

Operators must ensure that their radio equipment is operation on the correct frequency or channel. If you are uncertain contact the Regional NRM Radio Operations shop.

NOTE: Any improper use of the NRM radio network may result in the cancelation of the LOA and/or a fine to the user imposed by ISED. System uses may be held liable for the property damage or injury to Ministry personnel resulting from the misuse of the radio network.

13.2 Use of Natural Resource Ministries' (NRM) Tone Access System

The Natural Resource Ministries (NRM) use a sub-audible tone access system on their radio repeater network. The purpose of Contiuous Tone Coded Squelch System (CTCSS) is to reduce the interference between the radio networks in adjacent forest districts. To access the NRM radio repeater network you will require CTCSS on your equipment.

Each district has been allocated a specific tone frequency for use in their area. These frequencies have been chosen to prevent inter-district interference.

Note: These tones are only used on duplex repeater channels, not on simplex (metal named) channels. Please refer to the provincial radio repeater site map for the specific tone used in each district. Maps can be found in the Radio Communication Field Handbook which can be found on our website at: <u>https://www2.gov.bc.cagovcontentgovernmentsservices-for-governmentinformation-management-technologyprovincial-natural-resource-sector-radio-system</u>

The tones are as follows:

Tone	Frequency
T1	114.8 Hz
Т2	123.0 Hz
ТЗ	131.8 Hz
Т4	141.3 Hz
Т5	151.4 Hz

Tone	Frequency
т6	162.2 Hz
Т7	173.8 Hz
Т8	186.2 Hz
Т9	192.8 Hz

The 100 Hz tone is no longer used.

GROUND RADIO COMMUNICATION

Fire Department personell will use the following frequencies when communicating within a WUI setting.

Channel	Frequency
OFC1	155.460 MHz Tx/Rx (Narrow Band)
OFC2	150.350 z Tx/Rx (Narrow Band)

13.2 NRM's FREQUENCIES AUTHORIZED FOR USE

Transmit Frequency	Receive Frequency	Channel name
163.83	163.83	Gold
163.89	163.89	Silver
164.91	164.91	Copper
159.27	159.27	Nickel
163.98	163.98	Bronze
168.885	168.885	Iron
155.85	155.85	Zinc
163.065	163.935	Red
163.095	163.965	Purple
163.125	163.995	Green
163.185	164.055	Pink
163.215	164.085	Blue
163.275	164.145	Orange
163.305	164.175	Brown
163.335	164.205	Yellow
163.365	164.235	Grey

163.395	164.265	Black
163.53	162.585	White
163.245	164.115	Maroon
164.835	166.335	Lime
154.965	159.465	Navy
162.93	167.67	Fire - A1
162.69	166.71	Fire - A2
163.905	167.07	Fire - A3
169.95	169.95	Fire - B1
171.03	171.03	Fire - B2
172.05	172.05	Fire – B3

13.1.2 Natural Resource Ministries (NRM) Radio System Conditions of Use

- 1. The access and use of any system, radio or frequency will not impair the operational use of the system or frequency by the Natural Resource Ministries (NRM). Improper use may result in the termination of access and the user will be held liable for any injury and/or damages.
 - No additional costs will be incurred by, or accrue to, the Ministry through such authorized access.
- 2. This Ministry bears no responsibility to provide:
 - Continuity of service;
 - Extension of radio coverage into areas not presently served:
 - Continuous monitoring of frequencies, or check-in system;
 - Radio equipment, training or technical assistance or advice.
- 3. The user covenants and agrees to release the Province from any and all claims, demands, actions and damages arising from or out of any act or omission on the part of the Province or its employees, contractors or agents in the exercise, or purported exercise, of the rights conferred by this agreement.
- In the event an application is not approved, the applicant will be entitled to a review of the application by the Ministry. To Initiate a review please write to the Manager of Radio Operations, Ministry of Land, Water and Resource Stewardship, 343-B Bay St., Victoria BC V8T 1P5.
- 5. All users will comply with all appropriate Innovation, Science and Economic Development Canada (ISRD) requirements. These regulations are available from any ISED office.
- 6. Any user of the Ministry radio system will adhere to the Ministry's Radion System Operating Rules attached to the Letter of Authorization, which will be issued upon approval of the request for access.
- 7. All users must possess the knowledge and skills required by Industry Canada. Applicants and users will be held liable for damage or injury caused by non-compliance.
- 8. Authorization of access will be based on the user's operational requirements and may be restricted to locations required under this agreement.
- 9. All NRM frequencies will be removed from radios upon termination of access, and proof of the removal will be supplied upon request.
- 10. The user will indemnify and save harmless the Province, its employees and agents from and against any and all losses, claims, damages, actions, causes of action, costs and expenses that the Province may sustain, incur, suffer or be put to at any time either before or after the expiration or termination

of this agreement, where the same or any of them are based upon, arise out of or occur, directly or indirectly, by reason of any act or omission of the user or of any agent, employee, officer or director of the user pursuant to this agreement.

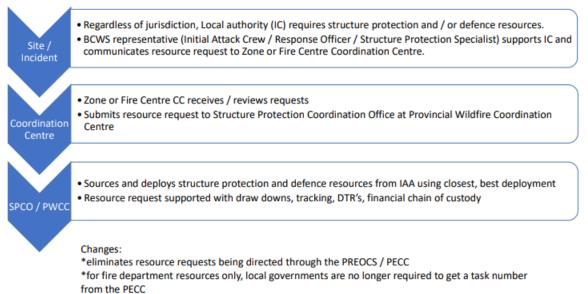
11. The maximum period for a Letter of Authority will be 5 years.

14. Forms, Templates, Samples, References

14.1 REFERENCE FOR LOCAL GOVERNMENTS REQUESTING MUTUAL AID FROM BCWS

Wildland Urban Interface Incidents Resource Request Flow Chart

Local Governments, EOC Directors, Incident Commanders requesting additional fire department resources for WUI incidents follow these steps:



If you have any questions, please contact SPCO@gov.bc.ca

14.2 BCWS FIRE DEPARTMENT DRAWDOWN

A Drawdown will be sent to the Fire Department when they are requested. Ministry Section will be prefilled, while receiving fire department will complete Fire Department Section. All invoices should be sent to the requesting Fire Centre as noted on the Drawdown. The following is a sample of the form for reference.

RESOURCE REQUEST #	BCWS FIRE CENTR	RE ASSIGNED C/	ALL SIGN:	
	MINIST	TRY SECTION		
FIRE DEPARTMENT:			EMAIL:	
PRIMARY CONTACT NAME:			PHONE #:	
ALTERNATE CONTACT NAME:			ALT. PHONE#:	
MAILING ADDRESS:				
REQUESTED BY SPCO:	PHC	ONE#: 250-318-7	7295 EMAIL: SPCO@gov.bc.ca	
ITEM REQUESTED:				
DEPLOYED TO INCIDENT #:		INCIDENT NAM	ME:	
REQUIRED ONSITE DATE/TIME:		ONSITE CONT.		
STRUCTURE BRANCH ONSITE NAM DIRECTIONS/DETAILS/COMMENTS:		STRUCTURE B	RANCH PHONE #:	
Personnel manifest and siened dra		RTMENT SECTIO) minutes
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FS257B HPR Revised April 2019

SEE Reverse for further information

14.4 ICS 214 DAILY ACTIVITY LOG FORM

1. INCIDENT NAME		Activity Lo	9 (PREPARED	3. TIME PREPARED
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14.5 INVOICE SAMPLE

British Columbia Wildfire Service

INVOICE FOR WILDFIRE RESPONSE SERVICES

Invoice Date:

Invoice Number:

Fire Number:

Date(s) of Fire Action:

Resource Request:

The Fire Department undertook wildfire suppression action as directed by a BCWS Official (noted below), in accordance with the conditions outlined in the Inter-Agency Agreement document and is therefore requesting compensation at the currently prescribed rates as follows:

Equipment

Туре:	Apparatus	All Found or Bare	Rate	Hours/Days/Kms	TOTAL \$
e.g.6	Engine, Wildland	All Found	\$363/hour	168	\$60,984
e.g.	Swap Out Vehicle		\$0.82/km	700km	\$574

Personnel (hours, per diems & accommodations)

Туре:	Quantity:	Hours	Rate	TOTAL
e.g. Firefighter(swap in)	3 personnel	4	\$52/hour	\$624
e.g. Firefighter(swap out)	3 personnel	4	\$52/hour	\$624

Invoice Total \$

Please make cheques payable to:

Legal Name (Department/City/Regional District)

Address

Name & Position of Fire Department official:

Note: Please include documentation such as run sheets, officer notes and DTR's to support

14.6 NRM WILDFIRE RADIO FREQUENCY APPROVAL LETTER FOR REFERENCE

File: 6890-08/LOA

18 July 2022 Fire Chiefs Association of BC6059 – 190th St Victoria BC V9Z 0M4

Phone: (250) 387-6650 Email: hqradio@gov.bc.ca

Re: Letter of Authority to Access the British Columbia Natural Resource Ministries' Radio System

This letter constitutes authority for your Association members to access and use the British Columbia Natural Resource Ministries' (NRM) Radio Communications System on the frequencies listed below <u>while providing</u> <u>service to the Province</u> for wildfire services under the Inter-Agency Agreement between BC Wildfire Service (BCWS) and the Fire Chiefs Association of BC (FCABC). This authority is <u>non transferable</u> and replaces and / or supersedes any previous authority issued by any officeof the British Columbia Natural Resource Ministries' or any other Provincial Government Agency.

Details of the authorization and the frequencies over which this authority applies is as follows:

LETTER OF AUTHORITY NUMBER: H22FIRE AREA OF OPERATION: Province of British Columbia RADIOS AUTHORIZED: Narrowband Mobiles, Narrowband Portables RESTRICTIONS: 100 Hz Provincial Tone is discontinued NRM channels are not permitted in base stations. LETTER OF AUTHORITY EXPIRY DATE March 31, 2030 Call Signs: N/A Industry Canada License No. Individually Required by dept BC Gov't Contract No. N/A

With the acceptance of this authority, the holder agrees to ensure that the British Columbia Natural Resource Ministries' frequencies herein authorized <u>are removed</u> from all radio equipment <u>at the expiration of service to</u> the Ministry or upon expiry of this Letter of Authority.

Also, all radio equipment that is replaced by your Agency during the term of service to the Ministry will have the authorized frequencies removed prior to disposal of the equipment.

14.7 ACRONYMS

Acronym	Term		
>	Indicates "greater than"		
ABC	Fire Extinguisher rated A,B,C class fires. A = ordinary combustibles; B = flammable liquids and gases; C = energized electrical sources		
BAT	B.C. / Alberta Thread (2.5")		
BCWS	British Columbia Wildfire Service		
сс	cubic centimetre		
CIFFC	Canadian Interagency Forest Fire Centre		
cm	Centimetre		
DTR	Daily Time Report		
EMCR	Emergency Management and Climate Readiness		
EOC	Emergency Operations Center		
FBAT	Female B.C./Alberta Thread (2.5")		
FCABC	Fire Chiefs' Association of British Columbia		
FD IA	Fire Department Initial Attack		
FGHT	Female Garden Hose Thread		
FNPSH	Female National Pipe Straight hose thread (1.5")		
GHT	Garden Hose Thread (5/8", ¾")		
IC	Incident Commander		
IG	Imperial Gallons		
IGPM	Imperial Gallons Per Minute		
kPa	Kila-Paskals		
L	Liter		
LPM	Litres Per Minute		
m	metre		
Max GVWR	Maximum Gross Vehicle Weight Rating		
MBAT	Male B.C./Alberta Thread (2.5")		
ml	millilitre		
mm	millimetre		
MNPSH	Male National Pipe Straight Hose thread (1.5")		
MZOC	Ministry Zone Operations Centre		
NFPA	National Fire Protection Association		
NIFFC	National Interagency Fire Center		
NPSH	National Pipe Straight Hose thread (1.5")		
NRM	Natural Resouce Ministries of BC		
OFC	Office of the Fire Commissioner		
PECC	Provincial Emergency Coordination Center		
PPE	Personal Protective Equipment		
PREOC	Provincial Regional Emergency Operations Center		
PSI	Pounds per Square Inch		

PWCC	Provincial Wildfire Coordination Center		
PWCO	Provincial Wildfire Coordination Officer		
QC	Quick Couple		
RWCC	Regional Wildfire Coordination Center		
RWCO	Regional Wildfire Coordination Officer		
SCBA	Self-Contained Breathing Apparatus		
SPC	Structure Protection Crews		
SPCO	Structure Protection Coordination Officer		
SPU	Structure Protection Unit		
ULC	Underwriters Laboratories of Canada		
USGal	U.S. Gallons		
USGPM	U.S. Gallons Per Minute		
WUI	Wildland Urban Interface		
ZWCO	Zone Wildfire Coordination Officer, usually located in a Zone or MZOC		