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These documents and resources may have references to the Ontario context and legislative requirements specific to the Province of Ontario. Though the CCSA has adapted these for use in Alberta, users of these resources are still advised to reference the Alberta OHS legislation.



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Introduction

About CCSA

The Continuing Care Safety Association (CCSA) is a unique organization that provides industry-specific health and safety training to the Alberta continuing care sector. Taking an unbiased approach, we are able to give the industry and the public facts, data and safety alerts regarding employee health and safety. By assisting members in implementing health and safety training programs, we aim to lower incidences of workplace injury.

In recent years, the health care sector has witnessed an increase in the occurrence of violence and aggressive acts towards staff. In fact, over the last 5 years, "assaults/violent acts/harassment' remains one of the top 5 types of injuries reported to WCB in both long-term care and senior supportive living industries (WCB Industry Reports). We aim to reduce the violence injury rates in continuing care and senior supportive living industries by providing targeted resources to promote the adoption of effective violence prevention initiatives; prevent incidents or injuries caused by violence and acts of aggression and build a more robust culture of safety. The CCSA also aims to guide our members in building their organization's Violence and Harassment Prevention Program through focused consultations and collaboration.

About PSHSA

Public Services Health & Safety Association (PSHSA) provides occupational health and safety training and consulting services to various Ontario public sectors. These include healthcare, education, municipalities, public safety and First Nations communities.

As a funded partner of the Ministry of Labour (MOL), we work to prevent and reduce workplace injuries and occupational diseases by helping organizations adopt best practices and meet legislative requirements. To create safer workplaces, employers and employees must work together to identify potential hazards and eliminate or control risks before injuries and illnesses occur.

Workplace Violence in Healthcare

Violence in the workplace is a complex issue. It's also one of the top health and safety concerns facing Ontario's healthcare sector today. Research shows that workplace violence is three times more likely to occur among healthcare workers than any other occupation, including police officers and prison guards (International Council of Nurses. (2001); Kingma, 2001).

Each year, Ontario's Workplace Safety & Insurance Board (WSIB) allows more than 600 violence-related lost time claims involving healthcare workers. While this number is alarming, many more cases go unreported (Findorff, Wall, & Gerberick, 2005). Healthcare staff work hard to keep others healthy and safe, yet their work can put them at risk and leave them with debilitating physical and psychological trauma.

Introduction

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Legislative changes in Ontario have broadened our awareness of workplace violence, and have strengthened our understanding that it cannot be considered part of the job. Under the law, employees have the right to a workplace that is safe and free of violence. Employers must ensure that risks are identified and that every reasonable precaution in the circumstances is taken to protect workers from harm.

Violence can occur at any time. Effective prevention efforts must include response planning. Workers must be able to identify the onset of violence and must be provided with a mechanism to summon immediate assistance when violence occurs or is likely to occur. One way employers can do this is through the use of a Personal Safety Response System (PSRS). A PSRS can leverage technology and procedural best practices to effectively manage a violent event and limit the extent of harm. Many types of personal safety response systems are available to protect workers, making it essential that employers select the right devices and processes to:

- enable early identification / notification;
- facilitate rapid response; and
- foster time for safe egress



The Five PSHSA Toolkits

Public Services Health & Safety Association (PSHSA) has created five toolkits to help healthcare organizations protect staff from workplace violence (WPV), and meet legal responsibilities for ensuring healthy and safe workplaces. The toolkits are:

- 1. Workplace Violence Risk Assessment (WPVRA)
- 2. Individual Client Risk Assessment (ICRA)
- 3. Flagging
- 4. Security
- 5. Personal Safety Response System (PSRS)



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About the PSRS Toolkit

This toolkit is designed to help health and community organizations establish an effective PSRS. It aims to describe the PSRS, how the PSRS is a component of existing programs, processes and frameworks within an organization, and the need to consider **PSRS as a system** and not merely devices. The tool kit provides practical information that includes:

- 1. Legislative requirements related to PSRS
- 2. Definition of a PSRS and PSRS devices
- 3. Alignment of PSRS to emergency management and a workplace violence program
- 4. A systematic approach to developing and implementing a PSRS using Plan-Do-Check-Act
- 5. The importance of PSRS devices, procedures and training programs
- 6. General description of PSRS devices
- 7. Tools to assist organizations to:
 - Check legislative compliance
 - Assess PSRS gaps and develop an action plan
 - Assess and determine their PSRS device needs
 - Evaluate selected PSRS devices
 - Develop PSRS policy, procedures and training
 - Create awareness

It is important to acknowledge that although the PSRS toolkit supports workplace preparedness and critical response activities. The scope of this document does not include the development and implementation of a complete emergency measures response or program for workplace violence.



Legislative Requirements and Standards

Legislation

Under Alberta's Occupational Health and Safety Act, employers shall ensure that none of the employer's workers are subjected to or participate in harassment or violence at the work site (OHS Act Part 1- 3(1)). Organizations must comply with the Alberta Occupational Health and Safety Act, Regulations and Code. Workplaces must determine how they will meet the requirements of the law. Key sections of the OHS Act and Code that workplaces need to consider with regards to PSRS include but are not limited to:

- General obligations of employers, Supervisors and Workers. OHS Act Part 1 Sections 3, 4, 5.
- Part 27 Violence and Harassment

Good To Know Everyone has responsibilities for health and safety including workplace violence prevention. However, employers have the greatest responsibility It is critically important that workplaces understand that everyone has responsibilities under the Occupational Health and Safety Act and specific requirements under the OHS Code with regards to occupational health and safety hazards and prevention plans.

These responsibilities extend to workplace violence hazards and PSRS. It is important that organizations consider their responsibilities when developing their PSRS. Although all workplace parties have responsibilities for health and safety it is the employer that carries the greatest responsibility.

Canadian Standards Association

The Canadian Standards Association Standard CSA Z1000 for occupational health and safety management systems, identifies a continuous quality improvement framework for health and safety programming. It also emphasizes the inclusion of stakeholders and worker participation in health and safety. Although this standard is not the law, the standard encourages and supports collaboration and cooperation amongst workplace parties not unlike the role of the JHSC. This is relevant to the development of the PSRS since all workplace parties and stakeholders have knowledge and information to share that could optimize the PSRS success and sustainability. Although there are many acceptable occupational health and safety system frameworks, PSHSA has applied the Plan Do Check Act approach and many principles from this standard in the development of the PSRS toolkit.

In addition, the Canadian Standards Association has developed an Occupational Health and Safety Training Standard, CSA Z1001-13. This standard provides a step by step framework to help ensure training such as PSRS is effective. There are various training standards, however, PSHSA has adopted the principles of this standard in the PSRS training section of this toolkit.



What is a Personal Safety Response System?

Definitions:

There are no formal definitions for PSRS or PSRS devices. Definitions for these have been developed for clarification purposes for this PSHSA toolkit. To understand what a PSRS is, it is important to review a few key definitions.

- Personal safety can be defined as a person's freedom from physical and/or psychological harm (Thompson Rivers University, 2017).
- Response are actions taken to respond to an emergency or disaster (Ontario Ministry of Community Safety and Correctional Services, 2016)
- System is defined as a set of principles or procedures according to which something is done; an
 organized scheme or method (Oxford Dictionary, n.d.) and/or a set of connected things or devices
 that operate together (Cambridge Dictionary, n.d.)

If applied to workplace violence, a PSRS can be defined as:

The means or methods of communication and actions to manage an emergency such as a workplace violence occurrence or incident. It includes <u>measures such as PSRS devices</u>, and <u>procedural best</u> <u>practices or steps</u> that operate together to help protect a worker(s) from physical and/or psychological harm.

A PSRS device can be defined as:

Equipment (measure) that can be used to summon immediate assistance when violence occurs or is likely to occur, or when other emergencies occur that threaten a worker's health and safety.

These definitions highlight that a PSRS is not just about devices to summon help. The PSRS is a system that includes devices, response structures, written procedures and safe work practices. It should include assignment of roles and responsibilities so everyone knows what to do when using, testing and maintaining the devices and how to respond appropriately. A lack of procedures and clarity of roles and responsibilities when using devices may lead to confusion, inappropriate emergency response or complacency. All workers using a PSRS should be prepared and ready for the unexpected. Knowing how to use devices effectively and how to respond can protect the health and safety of workers, clients, patients, residents, visitors and others in the community and healthcare workplaces and environments.

A PSRS may:

- Alert and summon others immediately to respond and help
- Deter a potential perpetrator
- Monitor or locate lone workers
- Support information collection, analysis and reports



Why is a PSRS Important and How Does it Work?

PSRS devices and procedures are important in situations where workers are exposed or potentially exposed to workplace violence, imminent danger or an emergency in the workplace. This is specifically important for workplace violence although they can be used for other emergencies.

The devices allow a worker to use an alert to signal and summon immediate help. The alert triggers a prompt and immediate incident or emergency response to help protect a worker or others from harm.

Good To Know PSRS is a method of communication and actions to signal help is needed for an impending workplace violence event or an incident in progress.

There are active and passive alert signals. An alert signal is considered "active" when the worker activates the alert and "passive" when it is the PSRS device or 'device monitoring personnel' that identifies a worker may require assistance for example, a "no motion" detector on a remote lone worker device. The devices may be electronic in nature such as panic button or a two-way voice communication badge for instance or manual such an audible sound maker. The alert signals may be visual, auditory, voice mediated or a combination of these. In some instances the device can also be used to deter a potential perpetrator by making noise causing them to flee. More detailed information including device descriptions, advantages and disadvantages is provided in the PSRS devices section.

A key consideration in the development and implementation of a PSRS is having people available to receive the alert signal for immediate assistance and to ensure an effective response. A rapid response provides time is needed for workers and responders to react to dangerous situations and it supports safe egress and/or rescue of the worker(s) and any other persons involved. Early identification and notification is extremely important. Suitable and effective devices must also be available and used as indicated by the manufacturer for the PSRS to worker effectively. See the devices section for more information.

The incident response is the physical response to the initial alert and includes the activation of defined protocols and sequence of steps to respond to an emergency or incident e.g., code white response, security response and/or police response etc. Each organization needs to develop clear emergency measures, responses, and related training programs, however this is not within the scope of this document.

The following outlines the sequence of events:

- 1. Imminent Danger Incident, WPV in progress or another Emergency
- 2. Alert Signal A trigger mechanism for summoning immediate assistance when violence occurs or is likely to occur
- 3. An Incident/Emergency Response.

See Figure 1.

Why is a PSRS Important and How Does it Work?

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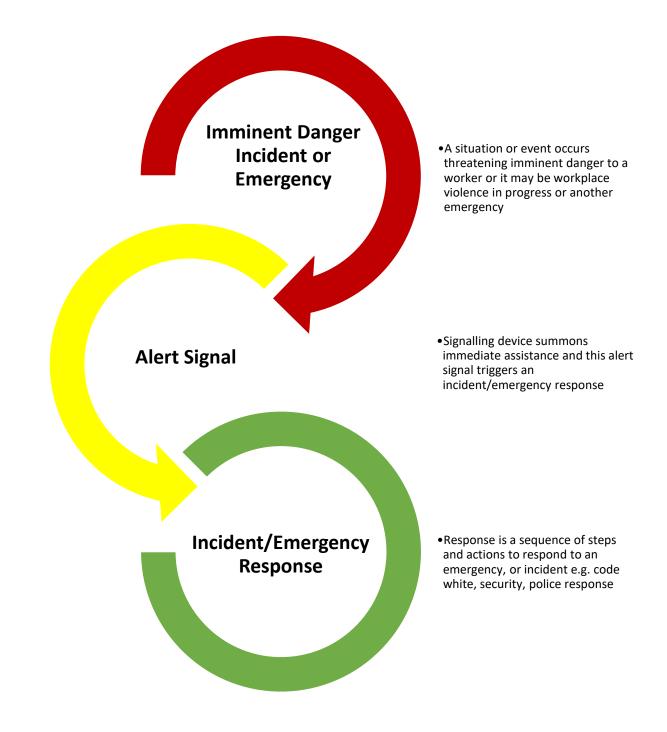


Figure 1: PSRS Sequence of Events

Why is a PSRS Important and How Does it Work? © Public Services Health and Safety Association



Putting our Knowledge to Work

The following workplace violence scenarios are examples of the PSRS sequence of incident, alert signal and incident response in community and healthcare environments

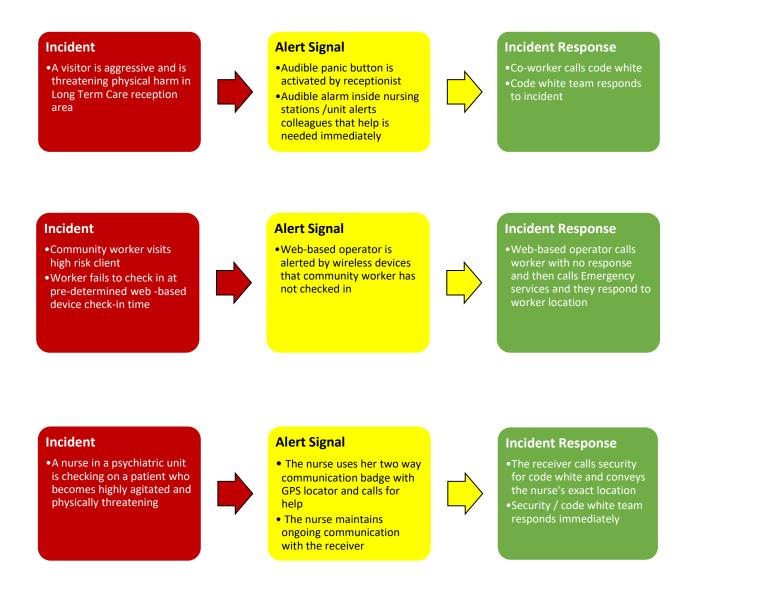


Figure 2: Sample PSRS sequence of incident, alert and incident response in Hospitals, Long-term Care and Community Care

Why is a PSRS Important and How Does it Work?



How does PSRS fit into Emergency Management and a Workplace Violence Prevention Program?

A Personal Safety Response System (PSRS) is typically part of a larger workplace violence prevention strategy.

It should function alongside a series of other control measures and procedures that reflect the unique needs of the workplace, such as crisis interventions training and/or code white response to aggressive or responsive behaviours

Good to Know

PSRS should be integrated into an organization's Emergency Management System and Workplace Violence Prevention Program.

The PSRS should complement and be integrated into an organization's Emergency Management System, in particular emergency preparedness and response. The following provides a review of the Ontario Emergency Management System cycle.

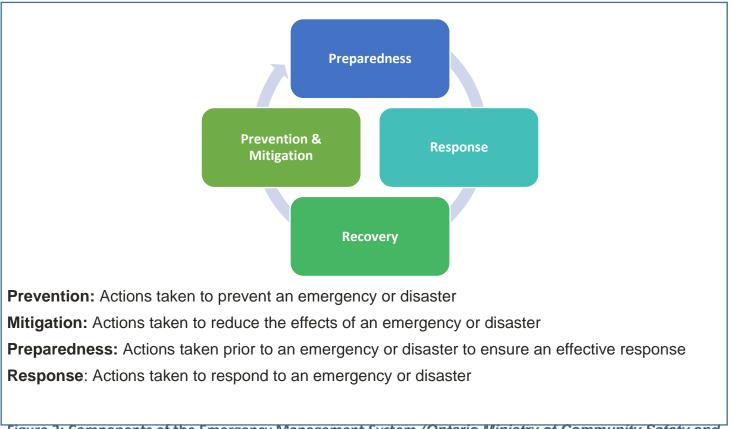


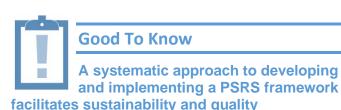
Figure 3: Components of the Emergency Management System (Ontario Ministry of Community Safety and Correctional Services, 2016)

How does PSRS fit into Emergency Management and a Workplace Violence Prevention Program?© Public Services Health and Safety Association8



How does an Occupational Health and Safety Management System (OHSMS) Approach Help Develop and Implement a PSRS Framework?

A systems approach to developing, implementing and maintaining a PSRS framework has been adopted in this toolkit. Prior to initiating the development and implementation of PSRS devices, procedures and training, an organization should consider developing a PSRS planning committee or working group that includes JHSC/HSR to oversee the development and implementation of the system.



The committee should be multidisciplinary in composition and a lead should be appointed who has decision making authority. The committee could be an existing workplace violence committee or subcommittee, JHSC or a working group that reports to these committees. Using an OHSMS approach to developing and implementing the PSRS can be helpful in the development of a <u>sustainable</u> PSRS and it also promotes continuous quality improvement. A common format in achieving this is **Plan-Do-Check-Act** (PDCA) or **Plan-Do-Study-Act** (PDSA) cycle approach. See Figure 4. This is a typical framework used for occupational health and safety (OHS) management systems which can be defined as "deliberate linking and sequencing of processes to achieve specific objectives and to create a repeatable and identifiable way of managing OHS" (Bottomly, 1992). This same type of framework is supported by the Canadian Standards Association for managing occupational health and safety, and it or other management systems can be used to complement existing community and healthcare organization's continuous improvement processes.

improvement.

The Plan-Do-Check-Act steps apply a systematic approach to a PSRS and they can be used as a guide by organizations for developing and implementing a successful PSRS framework. The steps are outlined below.

How does an Occupational Health and Safety Management System (OHSMS) Approach Help Develop and Implement a PSRS Framework?



Plan-Do-Check-Act for PSRS

PLAN

- 1. Establish Senior Management Commitment
 - Establish a PSRS committee or working group that includes JHSC/HSR
 - Appoint a leader to oversee PSRS development and implementation
 - Ensure human and financial resources are available
 - Set PSRS goals and objectives
- 2. Identify legal requirements such as the Occupational Health and Safety Act
 - Workplace Violence Risk Assessment (WPVRA);
 - Measures and procedures to summon immediate assistance when violence occurs or is likely to occur;
 - Workplace party duties and responsibilities;
 - Due diligence; and
 - Consultation with JHSC/HSR etc.

Also see Appendix A: PSRS Legislation Checklist.

- 3. Ensure joint health and safety committee (JHSC)/health and safety representative (HSR), worker and stakeholder participation; and promote a culture of safety
- 4. Conduct a Workplace Violence Hazard Identification and Workplace Violence Risk Assessment (WPVRA).

DO

- 5. Manage risks and develop preventative controls considering WPVRA findings for example:
 - Conduct a PSRS device needs assessment (See <u>Appendix C: PSRS Device Needs</u> <u>Assessment Tool</u>) and consider completing an inventory of any existing devices.
 - Identify and select PSRS measures e.g., devices, that meet organization needs (See tools in <u>Appendix D: Overview of PSRS Device Options and Features Tool</u>, <u>Appendix E: PSRS Device Needs Assessment Summary Tool</u>, and <u>Appendix F:</u> <u>PSRS Device SWOT Analysis Tool</u>.)
 - Develop PSRS measures and procedures and corresponding written documents e.g., policies/measures/procedures including testing and use of devices as per manufacturer guidelines and consider existing emergency response procedures (See <u>Appendix G:</u> <u>PSRS Policy and Procedure Development Guidelines</u>.)
 - Develop roles and responsibilities for workplace parties
 - Conduct a PSRS training needs assessment and establish a PSRS training program in consultation with the JHSC/HSR
 - Ensure legal requirements are met (Appendix A: PSRS Legislation Checklist)

How does an Occupational Health and Safety Management System (OHSMS) Approach Help Develop and Implement a PSRS Framework?

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- 6. Implement PSRS
 - Implement measures such as devices and procedures in consultation with JHSC/HSR
 - Implement training e.g., schedule and train workplace parties on roles/responsibilities, devices and related procedures, and update training
 - Monitor and ensure ongoing readiness, preparedness and adherence to PSRS procedures and devices
 - Ensure integration of PSRS device, measure and procedure into emergency response system for risk of violence/imminent danger/incidents and workplace violence prevention programming

CHECK/STUDY

- 7. Evaluate PSRS
 - Identify a team or individual(s) to monitor and evaluate the PSRS including training
 - Identify PSRS quality indicators and metrics (See <u>Appendix B: PSRS Gap Analysis</u> <u>and Action Plan</u> - Section 7 Evaluation, <u>Appendix G: PSRS Policy and Procedure</u> <u>Development Guidelines</u> – Sample Policy and Procedure Evaluation Section, <u>Appendix H: PSRS Training Considerations and Evaluation</u>)
 - Evaluate the PSRS after emergency/incidents have occurred and at least annually e.g., evaluate and audit, review PSRS device use, measures, procedures, compliance / enforcement, training and revise if necessary (<u>Appendix H: PSRS Training</u> <u>Considerations and Evaluation</u>)
 - Identify PSRS gaps, corrective actions and opportunities for improvement
 - Consult JHSC and/or HSR and stakeholders on the evaluation
 - Make recommendations for improvement to the employer
 - Provide any reports on the PSRS to the JHSC/HSR

How does an Occupational Health and Safety Management System (OHSMS) Approach Help Develop and Implement a PSRS Framework?



ACT

- 8. Organization has implemented PSRS quality improvements
 - Act on approved continuous improvements for PSRS
 - Document and communicate continuous quality improvements to management, workers, JHSC/HSR and others as required
 - Repeat Plan-Do-Check-Act cycle or similar improvement processes to sustain the PSRS

A PSRS gap analysis and PSRS action plan tool has also been developed to assist organizations to:

- Identify and evaluate the elements of the PSRS framework they have in place
- Identify PSRS gaps; and
- Develop a PSRS action plan.

See Appendix B: PSRS Gap Analysis and

Action Plan Tool and the instructions on how to use the tool. This tool also mirrors the **Plan-Do-Check-Act** model. It can also be used to make recommendations to senior management on next steps.

Good To Know

Using a PSRS assessment tool can help identify gaps, develop action plan and make recommendations to management

How does an Occupational Health and Safety Management System (OHSMS) Approach Help Develop and Implement a PSRS Framework?



Figure 4, below, provides a diagram of a sample PSRS Plan-Do-Check-Act framework and ongoing continuous quality improvement.

Plan Senior Management Committment Legislative Requirements Stakeholder Engagements Workplace Violence Risk Assessment and consult JHSC

Act

Act on approved PSRS continuous quality Improvement Document and communicate improvement to magagement, workers, JHSC/HSR and others Repeart Plan-Do-Check-Act

Do

Conduct PSRS Device Needs Assessment Identify and Seclect PSRS devices Develop and Implement written PSRS measures and procedures (include roles & responsibilities Conduct PSRS traning needs assessment Establish and Implement PSRS training program Integrate Into emergency measures and workplace violence prevention program Provide reports respecting OHS to JHSC/HSR Ensure legal requirements are met

Check

Identify PSRS Indicators and metrics Identify gaps, corrective actions and improvement oppertunities Consult stakeholder e.g. JHSC/HSR, others Make recommendations for improvement to management



Figure 4: PSRS Plan-Do-Check-Act Framework

How does an Occupational Health and Safety Management System (OHSMS) Approach Help Develop and Implement a PSRS Framework? © Public Services Health and Safety Association



PSRS Devices

There has been considerable advancement of PSRS devices over the last several decades. According to Maycock (2010) there are three generations of notification or alert devices. The earliest generation of alert systems are typically location-specific. These devices provide primarily one-way alerting within the workplace, with limited or generalized messages such as warning alarms, flashing lights and speakers. These alert systems are categorized as physical alarms and they still are important today, e.g., hard-wired panic button.

Second generation technology is referred to telephony which includes two-way communications such as radios, pagers and telephones e.g., both landlines and early cellular phones with optional texting features. Messaging with these systems can be more specific to a selected audience. This type of messaging and alerting system extends the reach beyond the physical location.

More recently third generation technology has evolved that includes net-centric or internet-based solutions. These systems can provide more detailed information beyond notification or alerts. They can extend geographic reach due to the internet and satellite technology and they can be integrated with many other generations of devices. Net-centric alert and notification systems can enhance response time and provide alert consistency (At-hoc, 2011). Wireless Wi-Fi systems allow for increased mobility e.g., wireless personal panic alarm badges (HCPro, 2016) and two way communication devices.

Note that many PSRS technologies may also work alongside security measures such as closed circuit television (CCTV) and monitoring that can enhance emergency responses. For more information on security refer to the CCSA Security Toolkit.

All systems have advantages and disadvantages depending on the situation, location and environment; and technologies are constantly changing. Table 1 below provides an overview of common PSRS devices including:

- description of the device
- main features, options or considerations; and
- potential advantages, disadvantages and limitations.

Good to Know

Hospitals, Long-Term Care Homes and Community Care organizations may require a combination of PSRS devices to meet their needs. Employers must ensure that the device(s) with the procedures is able summon immediately assistance where WPV is to occur or likely to occur in each individual work setting.



The list of devices will provide organizations with an indication of the breath and diversity of products available. The devices in Table 1 are listed in a general hierarchy from net-centric to telephony to physical alarms and are in general listed from more complex to less complex. Each workplace is encouraged to determine their own unique needs as to which PSRS devices will protect their workers in consultation with the JHSC/HSR. One size does not fit all - in many cases community and healthcare organizations may require multiple devices to meet their needs and legal requirements. Organizations may require time and capital planning to implement the appropriate devices and also ensure interim measures to protect workers. Organizations may also find taking an inventory of their existing PSRS, if any, helpful in assessing their current state.



Table 1. PSRS Devices

Device Category	Information	
Wireless Internet Based Communication Platform Technology e.g., Vocera	This is a secure and integrated voice and text messaging communication platform with extensive functionality. It utilizes WiFi and can only be used within an organization. It is owned and operated by the employer. The system serves a dual purpose such that it has capacity for robust two-way communication for workplace safety and for patient care/operational duties and/or patient calls for help or assistance. Badges can be worn and used by staff to summon immediate	
	 Advantages Research has suggested that systems such as the Vocera communication badges have improved public safety response times (Joslin et al, 2016) Integrates with other in-house communication systems e.g., landline, cell phone, tablets, patient call bell, emergency response and other clinical systems and monitors Ability to enhances both patient and worker safety and other efficiencies as mentioned above Reduces healthcare alarm fatigue Some device systems have the capacity to develop analytics and reports 24/7 coverage Call for help may be immediate GPS locator Ability to include all security personal who can better assess the situation as they respond 	 Disadvantages/Limitations Internet – power outages could affect system Operates on site only Ongoing maintenance and operating costs required Higher Cost (e.g. devices, required infrastructure and/or human resources) Dead zones e.g. stairwells, underground areas May require additional measures and devices to offset dead zones and areas within the organization where it does not work High level of user pre-inspection and maintenance required

PSRS Devices



Device Category	Information	
Standalone – Lone Worker Communication Devices e.g., Blackline Safety, Safety Line, Lone Alert, Connexion2	<i>ker</i> <i>cation</i> <i>.g.,</i> <i>Safety,</i> <i>re, Lone</i> These are primarily lone worker devices that can be carried by the worker (Silliker, 2014). Standalone devices can work without the need of another devices computer or connection. They can be monitored by a service provider either internally or externally (Silliker, 2014). Depending on the device selected a location of the worker, different communication technologies may be applied e.g., WiFi, Blue Tooth, Cell or Satellite etc. Employers can select the device features that meets their needs and determine who is to be summoned. An important option is an emergency button or latch on the device to summon h case of an emergency that bypasses any password requirements. System and battery test functions are required to ensure equipment is operational.	
	 Advantages Devices with many options for a variety of work locations e.g., onsite, offsite and remote Many features are offered such as two-way voice communication, GPS, man-down or no motion detection (with accelerometer / gyroscope technology), fall detection, beacon location and other integrated technologies Other integrated options can include email, SMS texting and web portal notifications so that workers and managers can be notified of an emergency by more than one means. Some devices can pair with smart phones or tablets; and some have interactive SOS and/or check-in features Some devices can operate in many countries for those that travel Organizations can select the options they want 	 Disadvantages/Limitations Some locations may have dead zones where communications may be interrupted so it is important that the employer ensure that the technology selected provides the coverage needed to protect workers wherever they work. Call for help may be immediate however those working remotely may have a long response time due to geographic location Internet – power outages could affect system Ongoing maintenance and operating costs High cost (e.g., devices and/or infrastructure, operating costs and/or human resources)



Device Category	Info	ormation
Security Badge with GPS Options for two- way camera and two-way communications e.g., Identicom	button and the signal is relayed to a central location where a response is activa assistance to the user's location. This device is primarily used by security pers device can include off-site monitoring. It also has GPS and SPOT (satellite) ca	onnel or staff in a security role, but may be used by others. The security badge pabilities. required. Hardware and software infrastructure, and mobile phone network is also
	 Advantages Ease to use and easily accessible Capability to access 911 Can be used on site, off site and remotely due to cell and satellite capabilities Allows 24/7 coverage Two-way camera options Two way voice communication 	 Disadvantages/Limitations Requires adequate staff and collaboration among management, several programs and department e.g., maintenance, distribution, logistics, IT and security Internet – power outages could affect system functions Does not automatically connect to municipal emergency services Higher cost (e.g., devices, and/or infrastructure or operating costs)



Device Category	Information	
Alerting Button Devices with 911 direct-line	Description and Requirements A 911 direct-line device is directly linked to 911 emergency services. It is available in pendant and clip to pocket attachment. The device has an embedded microphone and speaker. The speaker is typically in the base station. It allows two-way communication between the end user and emergency personnel. The device is activated by pressing a single button which automatically dials local 911 dispatch. Once connected with emergencies services, the user can verbally communicate with emergency dispatch to provide details of the situation and location. It can be used by any sector. System and battery test functions are required to ensure equipment is operational. Administrative management such as performance testing and maintenance are required.	
	 Advantages Ease of use and accessibility Can be used onsite and offsite Works where there is cell phone coverage Can be used in many settings Allows 24/7 response 	 Disadvantages/Limitations Radio waves and other communication signals may interfere with two-way communication and/or ability to contact 911 Base unit must be located near the person using the system in order to allow two-way communication Remote areas with poor cell phone coverage Immediate assistance such as police may not be able to attend and provide immediately assistance Moderate to high cost (e.g., devices, and/or infrastructure and/or human resources)



Device Category	Information	
Alert Button Devices and Options e.g., sound burst, microphone such as ADT, Medical Guardian, Rescue Alert, Life Line	 designated by the user or organization. The alarm is linked to a dispatch station, where personnel assess and identify the location of the situation by speaking with the user via microphone hence two way communication system is used. If necessary the appropriate personnel are then dispatched to the location. Administration management of the device and maintenance is required e.g., battery and monitor checks. Tethers can be used to connect mobile phones or 	
	 Advantages Easy to use and quick accessibility Can be used onsite and offsite Can be used in many settings e.g., hospital, long term and community care Allows 24/7 response and support 	 Disadvantages/Limitations Requires adequate staffing levels and collaboration among management, programs and department including maintenance, distribution, planning, IT and security etc. Range-reception may be a problem in cellular "dead zones" where service is interrupted Some devices have a limited range e.g. 25 to 50 feet from the central transmitting and receiving device in the workplace Not automatically linked to local emergency services Immediate assistance such as police may not be able to attend and provide immediately assistance Moderate to high costs (e.g. devices, infrastructure etc.)



Device Category	Information	
Cellular Phone Application (App) e.g. ProTELEC CheckMate, Black Line Safety	Description and Requirements This is a cell/mobile phone app designed for worker safety purposes. The worker must have a compatible device. An emergency panic button or numeric code or most smart phone can send out an emergency (SOS) distress signal that is sent to an emergency monitoring centre e.g., security department, call centre off site etc. Some devices provide a 'loner duo' which is an accessory device with a latch that can be paired to the phone. A worker can have their phone in a pocket or purse and then call for help by flipping the latch on the accessory device. No phone password is required. Many safety options may be offered depending on provider: • Emergency button or accessory with an emergency latch • Motion detection or man down monitoring • Management of check ins – ensure all check in calls are made as scheduled • GPS tracking of location • Automatic two-way calling to monitoring personnel May be offered on orther devices e.g., tablet depending on the provider selected. GPS technology may have the ability to be linked to an organization's security department or personnel or emergency services depending on the provider.	
	 Advantages No hardware or software required Flexible and customizable Ability to audit calls 24/7 monitoring Good for lone workers working onsite or offsite Easy to use Possible to bypass password protection e.g. press power button to initiate a distress signal or use an accessory device available that is paired with phone. 	 Disadvantages/Limitations Service costs can vary Cellular span of coverage may have poor reception in some facilities, dead zones and remote locations Batteries can fail If a password is required in an emergency there may be little time to open the phone and activate emergency button Moderate to higher cost such as devices and/or infrastructure



Device Category	I	nformation
Cellular Mobile	Description and Requirements	
Phone	The cell phone is a two-way communication device that works in a geographical area that is covered by a cell network. The user has a wireless radio frequency connection between the cell phone and a transmitter. A transmitter facility is called the cell site. Many cells create a system. User can roam between cell sites. Computer servers can be integrated with an organization's email and scheduling software. Phone will have warrantees and require battery. Network access needed e.g., WiFi, cable, fibre etc. If the phone is not a personal phone, administration management is required e.g., inventory, maintenance and hardware replacement by the employer. It may be difficult to synchronize software and hardware installation with computer services. It may require adequate staffing and collaboration among several programs or departments such as logistics, IT and security. This technology requires additional planning in order to link with emergency services.	
	Advantages	Disadvantages/Limitations
	Applies to any workplace sectorUser can work onsite or offsite	 Cellular span of coverage may have poor reception in some facilities, dead zones and remote locations
	GPS technology options	Batteries can fail
	 More data can be sent and received by a phone user versus traditional phones 	 In an emergency there may be little time to use a password to open the phone and dial for help
		 May not summon immediate assistance if the responder does not receive call for help
		Moderate to Higher cost (e.g. devices, services etc.)



Device Category	Information	
Phone – Digital / Description and Requirements Internet Protocol Digital phone is a communication device where sounds are transmitted across computer network (voice over capacity. It is replacing traditional phone networks rapidly. AT&T, Panasonic Panasonic		s computer network (voice over the internet protocol). This system has high
etc.	 Advantages Common and easy to use to alert others or call emergency services 911 Can be integrated with other technologies Options include cord or cordless (very short wireless connection) Cost effective 	 Disadvantages/Limitations Phone ceases to function during power outage Must be close to phone to use it May require digital-to-analog adapters for some equipment May not summon immediate system when violence occurs if the responder is not reached or available Cordless digital phone have a limited range and can fail if batteries are not charged Moderate to Higher cost (e.g., devices and/or required infrastructure and/or human resources)



Device Category	In	formation
Phone - Analog Landline	Description and Requirements Traditional telephone is a communication device that allows use by two or more users via analog technology. It converts human voice into electronic signals and is transmitted via cables or other methods for long distances. Can be used to summon assistance where workplace violence is to occur or is likely to occur.	
	 Advantages Quality of sound is better than digital Common and easy to use to call emergency services 911 Traditional phones will work during a power outage Can be used in any sector Could be linked to internal emergency responders e.g. code white team, security 	 Disadvantages/Limitations Must be close to device to use it Must have someone to answer emergency call Use available only at the location of the device May not be linked to emergency responders May not summon immediate assistance when violence occurs



Device Category	Information		
Pagers	Description and Requirements		
	Pagers can be one or two-way communication devices. Some offer texting options. They can be used to mobilize personnel on-duty to respond to events and to send critical alerts. General maintenance and testing is required. They may be integrated into third generation communication systems to optimize alerts and notifications. It requires batteries		
	Advantages	Disadvantages/Limitations	
	 Can be used in any sector Easy use and to carry Accelerates response time Able to reach many personnel Sound or vibrate mode Cost is typically moderate 	 Worker may not have time to access and use the pager, and a responder may not receive the page to respond immediately. May not summon immediate assistance when violence is occurring or is likely to occur Batteries can fail if not charged Moderate to high cost (e.g., devices and/or required infrastructure and human resources) 	



Device Category	Information	
Two way radio or Walkie Talkie	as a microphone; and a button that is pushed to talk. For walkie-talkies	 alkie-talkie contains a transmitter / receiver and antenna; a loudspeaker that also functions to communicate with each other, they must be set to the same frequency band or channel. I holds the push-to-talk button and speaks, while the other user(s) listens. The device can ince. Disadvantages/Limitations Limited number of users Must have someone to receive call May be cumbersome to carry and to use for some workers May have limited range and frequencies May not summon immediate system when violence is occurring or is to occur because worker needs time to access and use it and limited number of users



Device Category	Information		
Public Address (PA) OR Intercom system	Description and Requirements This intercommunication system is a voice communication system used within a building or a small collection of buildings. Intercom systems typically function independently of the telephone network and is part of the building infrastructure. Some systems are hardwired while some may be wireless. Some can be integrated with phone functions. Intercom systems can include a master or base station and various sub-stations or wall-mounted stations. The master station controls the system — it can initiate messages with individual stations, as well as allow announcements to be made across the whole system. These can be hard- wired or wireless. Sub-station or wall-mounted stations are capable only of initiating calls with the master station. Wall-mounted sub-stations can be placed in various locations throughout the building(s). The sub-station has a built-in loudspeaker with a push-to-talk button, enabling users to communicate with the master or base station. Audio and/or visual systems are available. Some systems can be integrated with other technologies. General maintenance, testing and training is required.		
	 Advantages Common within many organizations Can be used reach a large groups of people especially for emergency purposes e.g., emergency codes or responses May be used for two-way communication Can be integrated with other technologies such as telephones Can be an important adjunct that works well with other PSRS devices in an integrated response system 	 Disadvantages/Limitations Reception range may be a problem in "dead zones" where service is interrupted or speakers are not available Worker may not be able to reach intercom to summon immediate assistance and may rely on others to make the call for help e.g. call an emergency code Not usually linked to emergency services automatically May not function outside facilities Cost can vary from moderate to high (e.g. system components and/or required infrastructure) 	



Device Category	Information	
Physical Alarms	Description and Requirements	
Hardwired Panic Button, Alarm, Siren or Strobe e.g., AARtech Canada	These hardwired devices allow a worker to summon help from others and/or security personnel when working alone providing there is someone to respon immediately to the distress alarm. Alerts can be visible and silent such as a strobe and flashing light, or audible such a siren or other alarm. Organization will b required to determine who will receive and respond to silent alarms. General maintenance and testing is required. These are typically used at a work location, clier or patient rooms or areas etc.	
	Advantages	Disadvantages/Limitations
	 Easy to use Silent alarm panic buttons can summon help without alarming patients or perpetrators Strobe can alert those with impaired hearing May be automated and integrated into building infrastructure Loud alarms attract attention and may deter perpetrators causing them to flee Can be used in any sector and in areas such as reception, medication rooms, nursing stations, stairwells, activity rooms or isolated locations Moderate cost 	 Alarm fatigue due to multiple facility alarms Worker must have immediate access and be positioned well to access the fixed alarm button or device Workers responding must be within hearing distance to respond Silent alarm may not distract perpetrators to disengage Does not have GPS capability in the event the worker who activates the alarm moves from the location May not always ensure worker is able to summon immediate assistance if workplace violence is to occur or is not likely to occur



Device Category	Information		
Personal Noise Makers	Description and Requirements Whistle: A whistle emits a clear, high-pitched sound when air is blown into it. It alerts others within hearing distance. A sound is emitted and may alert others within hearing distance to of the user's need for assistance. Audible Personal Alarm or Screamer An audible personal alarm, also known as a "screamer", is a small device that emits an extremely loud sound when activated. It is typically battery operated. Activation alerts others within hearing distance of the user's need for assistance.		
	 Advantages Simple device that is easy to carry and use Requires minimal training Inexpensive and very available May be used as an interim measure while implementing other systems that meets legislative requirements May deter perpetrators No infrastructure or technological requirement Can be used onsite and offsite 	 Disadvantages/Limitations Dependent on adequate staffing levels in area of work where an alarm is activated or may be activated at all times No GPS so responders must follow the noise Responders must be within hearing range to be effective Dependent on others to respond and having access to immediate emergency services May agitate patient, resident, clients etc. May not be effective for those working in the community if no one is able to hear or respond to the device 	



Selecting and Evaluating PSRS Devices

Device Selection

Before selecting PSRS devices, organizations should review their Workplace Violence Risk Assessment (WPVRA) to identify areas and situations of risk to workers and the level of risk e.g., high, moderate, low or very low risk. For instance, if a worker is or can be exposed to a patient with a history of violent behaviour they would require a means to summon immediate assistance when violence occurs or is likely to occur. It is also important that organizations conduct an in-depth assessment to further determine their PSRS device needs and meet legislative requirements.

Without "adequate" assessment, the devices chosen may not meet legislative compliance for summoning immediate assistance.

Appendix C: PSRS Device Needs

Assessment provides a set of key primary and secondary questions to assist Hospital, Long-Term Care Homes and Community Care organizations in determining their PSRS needs based on the of workers work situation and working environment.



Conduct a workplace violence risk assessment and a PSRS needs assessment to select the right PSRS devices to protect everyone's safety and to summon immediate assistance when WVP occurs or is likely to occur.

Key primary questions to ask about the devices are who, what, why, when, where and how:

- Who will: use it, hear it, and respond to it?
- What will it be used for?
- Why will it be used?

- When will it be used?
- Where will it be used?
- How will it be used?

Once organizations have completed their WPVRA and identified PSRS device needs they can review PSRS devices features and options to determine what types of devices might meet their needs. In many cases organizations may select a number of devices. Note each situation is unique and organizations must consider the applicability and feasibility of using different devices in their own environment. Table 1 provides general information on PSRS device categories including advantages, disadvantages and limitations. <u>Appendix D: Overview of PSRS Device Options and Features</u> <u>Tool</u> provides a one page snapshot of devices and their key features and options. Organizations can compare their PSRS needs to available devices and their features in the chart. <u>Appendix E: PSRS</u> <u>Device Needs Assessment Summary</u> is a chart for organizations to document and list the devices they are interested in investigating and evaluating further. Decisions should be guided by the employer obligations under the OHSA and Health Care and Residential Facilities Regulation.

Device Evaluation

Unfortunately there is minimal research on the evaluation of PSRS devices, however organizations can use management best practice processes that can help organizations make decisions when evaluating PSRS devices. One commonly used management strategy tool is the Strengths,

Selecting and Evaluating PSRS Devices



Weakness, Opportunities and Threats (SWOT) Analysis (van Vliet, 2013). It can be used for strategy or project purposes. After choosing a device that an organization is interested in, the organization can investigate the product in more detail using the SWOT analysis and specified criteria. This will help the organization to determine whether the device is a good fit, appropriate and whether it supports compliance with the health and safety legislation. See <u>Appendix F: PSRS Device SWOT Analysis</u> <u>Tool.</u>



PSRS Policy, Measures and Procedures

Under Part 27 of the Alberta OHS Code, organizations are required to put an Violence and Harassment Prevention Plan in place to protect worker's safety. It is therefore important to develop written PSRS policies, measures and procedures. This must be done in consultation with the JHSC or health and safety representative (in workplace with 6-19 workers). Many organizations have their own policy and procedure format or template and this can be followed, however, it is important that the document include the necessary information. It is important for workplaces to understand the difference between a policy, measure and procedure. These all help control health and safety hazards. The following provides basic definitions.

Policy

 A policy can be defined as a set of principles, specific decision or set of decisions, rules or guidelines that are developed and adopted by an organization with the expectation that they will be carried out.

Procedure

Procedures are specific steps or methods used to carry out the policy in day to day operations. It
describes how the policy will be put into action and which document(s) or resource(s) to use. It is
the "how to" do it.

Measure

A measure is a thing such as a device(s), action(s), rule(s) and/or legislation that is put in place to
protect a worker's health and safety.

A PSRS policy demonstrates an organization's commitment to worker safety and provides a framework for establishing and maintaining a PSRS. A PSRS may not require a separate PSRS policy but rather PSRS policy elements may be part of the workplace violence prevention, security and/or emergency measures policy. If an organization chooses to include PSRS as part of another policy, it is important that the policy address the legal requirements for the employer to provide a worker with a means of "summoning immediate assistance when violence occurs or is likely to occur" in the case of workplace violence. Written procedures will be required including procedures for each device that is in use. Where organizations decide to have a separate PSRS policy, cross referencing this policy with the workplace violence prevention and other relevant policies is very important. For workplaces such as Hospitals, Long-term Care Homes and Group Homes, the JHSC must be consulted. For all other workplaces consultation with the JHSC is highly recommended.



Procedures need to address how workers are to "summon immediate assistance_when violence occurs or is likely to occur. Communicating potential and/or imminent danger due to workplace violence effectively using PSRS and having a clear PSRS and emergency response procedures can prevent harm to workers and others.

Good To Know

Written procedures need to address how to use PSRS devices and how a worker is to "summon immediate help when violence occurs or is likely to occur".

PSRS procedures should include topics such as:

- Administration of the program;
- Measures for summoning immediate assistance;
- Selection and evaluation of PSRS devices;
- Safe use, care, maintenance of devices and their limitations (e.g. dead zones, limited battery supply);
- PSRS communications;
- PSRS training;
- Mock drills and testing;
- PSRS evaluation; and
- Cross-referencing to other relevant policies and procedures such as emergency measures and codes, security, workplace violence and flagging.

Workplaces can utilize the PSRS device manufacturer guidelines to address the necessary information for safe use, maintenance and testing. To enhance written PSRS procedures organizations may consider adding decision trees, algorithms and step-by-step checklists to help users visualize the process for each type of PSRS. Ensure that procedures include daily or every-shift testing of alarm systems, along with documentation of all charging / changing of batteries (including expected battery life). Ensure procedure includes worker's roles and responsibilities and the manager's roles and responsibilities in monitoring and ensuring compliance. Note that battery failure is an issue that can hinder a worker from summoning help. Refer to the manufacturer's guidelines for further information and ensure the procedure is reflective of these guidelines and limitations. PSRS procedures can be developed by an organization that also explains how they will collect and analyze PSRS device usage data if it is available and appropriate to do so. Tracking and analyzing data is important in evaluating the effectiveness of the procedures and the devices, in addition to identifying any potential improvements. Some advanced PSRS devices provide electronic reports on usage to make data collection easier.

Workplaces will also need to develop their own emergency response or emergency measures and procedures based on their workplace violence risks; existing or potential workplace situations and environment; and/or other hazardous exposures. Emergency procedures and codes are beyond the scope of this document but should be cross referenced in the PSRS policy and procedures.

In summary, having written policies, measures and procedures helps organizations to demonstrate due diligence under the occupational health and safety legislation and it helps clarifies PSRS requirements for all workplace parties. Under Part 27, Section 392.4, of the Alberta OHS Code, these

PSRS Policy, Measures and Procedures



documents require regular reviews and revisions where necessary every 3 years and whenever there is a change, so it is important that a process to do this is also in place.

Appendix G: PSRS Policy and Procedure Development Guidelines may prove helpful in crafting a PSRS policy and procedure, or excerpts to be included in another policy and procedure. A sample policy and procedural elements is also provided in the appendix. The sample can be modified and customized as an organization sees fit.



PSRS Training

There is a legal requirement for employers to ensure that information, instruction and supervision is provided to a worker to protect them. In Part 27, section 391 of the Alberta OHS Code, An employer must ensure that workers are trained. Employers must develop, establish and provide training and education to protect worker health and safety. PSRS training is an important component of an organization's emergency measures and workplace violence prevention training requirements.

It is recommended that stakeholder's at all organizational levels including the JHSC and/or HSR, are consulted in training curriculum development.



PSRS training/educational programs must meet legal requirements and be comprehensive to protect workers.

Important considerations

- Training content should include the legal requirements for summoning immediate assistance when violence occurs or is likely to occur and any other legal responsibilities noted in this tool.
- There should be a consistent definition of PSRS and PSRS devices in the training program
- All management and employees/contract workers, physicians and others (e.g., those providing services who are exposed or likely to be exposed to workplace violence)require training
- Roles and responsibilities of all workplace parties should be clearly indicated and explained
- All parties should be trained on the care, use, maintenance and limitations of devices (e.g., battery limitations, dead zones, scope of coverage)
- If dead zones are an issue the employer must train workers on what measures they must take to summon immediate assistance when in these dead zones and how to identify the dead zones (e.g., from the organizational risk assessment)
- If the devices are an interim measures this should be identified with a date for the implementation of a more reliable and effective system that meets the legal requirements of summoning immediate assistance
- Training content and intensity should be customized to various worker roles e.g., security, frontline workers, management etc.
- Resources and infrastructure necessary for training should be identified
- Where applicable and possible, training partnerships should be developed with external stakeholders such as device/system vendors, police and other responders etc.
- The training plan should be reviewed and revised by the organization annually or more often as needed, in collaboration with the JHSC/HSR and with input from stakeholders including employees and management
- Workplaces should consider adopting a framework such as the Canadian Standards Association Occupational Health and Safety Training standards framework (CSA Z1001-13) to help select and provide appropriate training and training evaluation to protect worker health and safety.



Training Framework

Training is considered a preventive and protective measure as well as an administrative risk control. With reference to the **Plan-Do-Check-Act** process training is part of the "**Do**" step, however the "**Plan**" phase that includes hazard and risk identification and assessment should inform the organization of the need for PSRS training. All health and safety training including PSRS training should be part of an organization's health and safety management system. The following outlines an overview of a PSRS training framework adapted from the CSA Z1001-13 standard. The PSRS training system framework based on the CSA standard should include the following components:

Management and Administration of PSRS Training

Overall an organization is required to determine how all PSRS training program elements will be managed and administered. Elements should include:

- Assignment of management and oversight of PSRS training
- Defining PSRS training roles and responsibilities
- Determining training needs and objectives processes
- Establishing the PSRS training program framework
- Managing and administering the PSRS program for sustainability

Senior management has a key role to:

- Provide leadership and support to the PSRS training program:
 - needs assessment
 - objectives
 - development
 - implementation; and
 - maintenance
- Assign responsibility for PSRS training oversight e.g., program administration and management
- Provide fiscal and human resources for PSRS administration and management e.g., individuals to establish training needs, objectives, expected outcomes, evaluation, improvements and recording keeping; training program developers, schedule coordination, trainers, and technical expertise; training technologies and equipment; and training facilities and locations.
- Ensure training reflects PSRS training needs assessment and objectives
- Provide time and support for worker and worker representative participation in required training
- Ensure systems for contingency planning and setting priorities to ensure compliance with training program implementation
- Ensure continuous quality improvement processes for identifying gaps, implementing corrective actions and consultation with stakeholders

Establishment and Maintaining a PSRS Training Program

The next step is to establish and maintain a PSRS training program. This includes the following:



- Conducting a PSRS program needs assessment and ensure ongoing needs assessments are conducted at regular intervals
- Consulting with JHSC/HSR and other stakeholders
- Designing the PSRS program training
 - Conduct a PSRS program training needs analysis based on needs assessment findings;
 - Establish a PSRS program training matrix based on needs assessment, e.g., who needs what training, frequency of training etc.;
 - Establish course design and development processes;
 - Establish PSRS program delivery method options classroom, e-learning, interactive practical such as simulations, mock drills, role play scenarios (Note: practical hands-on training is very important for PSRS training);
 - Establish PSRS training evaluation techniques (see Appendix H: PSRS Training Indicators and Evaluation);
 - Establish training documentation and record keeping requirements, e.g., hard copy / electronic such as a Human Resources Information System (HRIS), storage location, signatures etc.
- Developing program materials in consultation with JHSC/HSR:
 - Identify each PSRS training course;
 - Establish and develop content;
 - Identify training providers, e.g., internal or external trainers;
 - Determine schedules in alignment with the training matrix and availability;
 - Determine frequency of training and refreshers;
 - Develop a communication plan; and
 - Document training program requirements.
- Implementing PSRS training program in consultation with JHSC/HSR:
 - Ensure resources to provide PSRS training program are in place;
 - Conduct a training barriers and facilitators assessment, and a plan to mitigate barriers and use facilitators to enhance training, e.g., identify training champions;
 - Establish and implement processes to ensure compliance with design / delivery / evaluation / attendance;
 - Implement scheduling and communication plan;
 - Establish evaluation processes for training program and frequency;
 - Establish continuous quality improvement processes in alignment with the organization's processes.
- Evaluating PSRS training program
 - Audit and evaluate effectiveness of training needs assessment and training program e.g., course material, content, delivery and record keeping; and investment.
 - Assess *Consumptive metric data* that indicates the investment in training e.g., how much time, how many sessions and how many resources etc., and *Impact metric data*

PSRS Training



that indicates the "value and tangible results" of the training. (See <u>Appendix H:</u> <u>Training Considerations and Evaluation</u>); and

Make recommendations for continuous quality improvement.

Developing and Maintaining PSRS Training Courses

In addition to program development, implementation and evaluation, individual PSRS courses also require regular review and maintenance to ensure content is relevant, current, reflects best and/or evidence-based practices, and meets manufacturer device guidelines; and the training should apply appropriate adult learning techniques. Trainers must possess the relevant experience, qualifications and knowledge to deliver the PSRS course materials. Refer to the CSA Z1001-13 standard for additional information on training courses. Also refer to <u>Appendix H: Training Considerations and Evaluation</u>



PSRS Awareness Communication

To enhance the successful implementation of PSRS in an organization, it is important to create awareness through communication. Far too often alarm fatigue; false alarms; lack of enforcement, reinforcement and compliance; lack of awareness of PSRS; and lack of training can lead to complacency resulting in poor emergency response, potential injury and harm. Heightened awareness in addition to formal training can educate the workforce on PSRS related roles and responsibilities, the importance of PSRS devices, knowing and following device and emergency procedures. To promote PSRS awareness PSHSA has provide a sample Fast Fact that can be used by managers, supervisors, JHSC, and others. See <u>Appendix I: Personal Safety Response System</u> <u>Awareness Fast Fact</u>.



Summary

Personal Safety Response System (PSRS) is an important part of a Workplace Violence Prevention Program and it should align with an organization's Emergency Management Program. The PSRS leverages technology and procedural best practices so that workers exposed to or likely to be exposed to workplace violence can summon immediate assistance. Organizations should take a systematic approach such as "Plan-Do-Check-Act" to the implement a PSRS, and also ensure consultation with the JHSC/HSR and other stakeholders. Organizations need to comply with the health and safety legislation when developing and implementing a PSRS. An effective PSRS should include:

- Identification, selection and implementation of appropriate PSRS devices;
- Development and implementation of PSRS policies, measures and procedures;
- Development and implementation of a comprehensive training, education and awareness program;
- PSRS and device evaluation, and PSRS education and training evaluation in consultation with JHSC/HSR;
- Development of recommendations for corrective actions and improvements to Senior Management;
- Implementation of corrective action and improvements; and ongoing PSRS review.

Figure 5 provides a schematic summary of the PSRS using a 'Plan-Do-Check-Act' and application of the PSHSA PSRS tools.



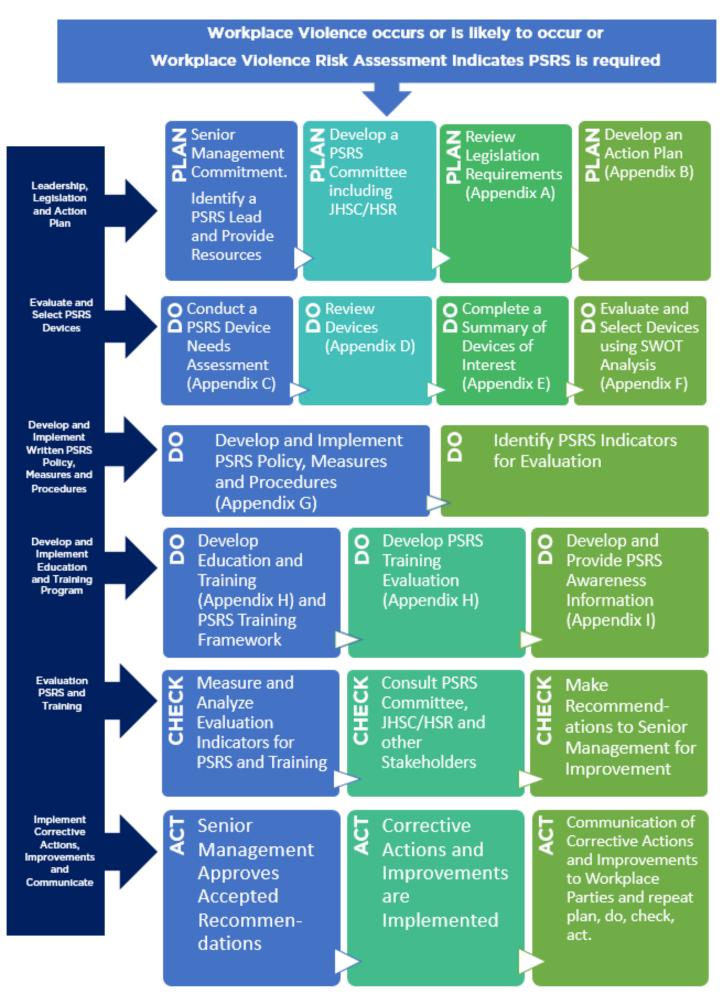
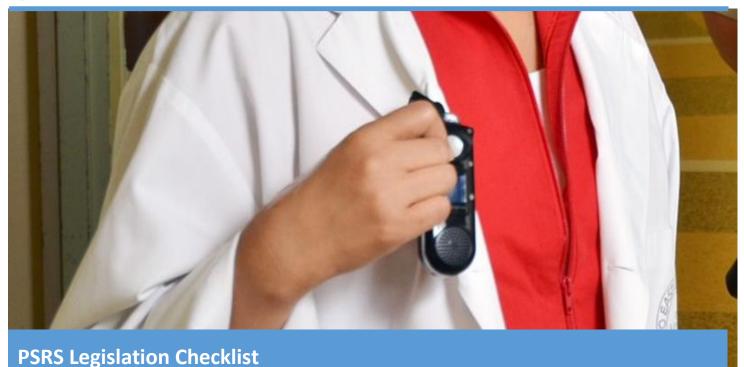


Figure 5: "Plan-Do-Check-Act" and PSRS Tools Summary





How to use this tool

- 1. This tool can be used to help organizations determine whether they have met legislative requirements.
- 2. The PSRS committee (if one is established), JHSC/HSR and/or working group should complete this tool.
- 3. Review any policies, measures, procedures, protocols, safe work practices, training and training records that the organization has on PSRS
- 4. Review the Legislation Check List Statements and determine whether the organization meets the standards set by law.
- 5. The PSRS committee (if one is established)/JHSC/HSR can identify the gaps in compliance and address them through the PSRS gap analysis and action plan in <u>Appendix B</u>.



Торіс	Legislative Requirement	RS Considerations	Compliance Yes / No / Partial
OHS Act Part 1, Section 3 Obligations of Employer	 (1) Every employer shall ensure, as far as it is reasonably practicable for the employer to do so, (a) the health, safety and welfare of workers engaged in the work of that employer, (c) that none of the employer's workers are subjected to or participate in harassment or violence at the work site, (2) Every employer shall ensure that workers engaged in the work of that employer are adequately trained in all matters necessary to perform their work in a healthy and safe manner. (4) Every employer shall keep readily available information related to work site hazards, controls, work practices and procedures and provide that information to (a) the joint health and safety committee, if there is one, or health and safety representative, if there is one, at the work site, (b) the workers, and (c) the prime contractor, if there is one. 	Provide workers with PSRS equipment the immediate assistance where workplace vi- likely to occur Establish a PSRS device preventative mat that follows manufacturer's guidelines Develop a process that ensures that PSR procedures and other measures are follow parties e.g., observation, audits etc. Establish processes and activities that en parties use the PSRS devices appropriate observations, audits, inspections etc. Establish a PSRS education and training employees attend Provide adequate supervision to ensure w safety Where compliance with use and wearing an issue, put in place appropriate measur address non-compliance Ensure every precaution reasonable is tal workers and prepare to demonstrate due example: conduct workplace violence risk include PSRS; develop/review/revise writt measures and procedures; provide PSRS training and education programs; acquire equipment; enforce safety rules and trainin evaluate PSRS training, policy and practic documentation; consult the JHSC and/or their recommendations related to the PSR etc.	Click here to enter text. Click here to enter text.
OHS Act Part 1, Section 4	(b) advise every worker under the supervisor's supervision of all known or reasonably	Establish processes that will ensure supe PSRS measures and procedures, and con and wearing of PSRS devices that are rec employer	mpliance with use text.



Торіс	Legislative Requirement	PSRS Considerations	Compliance Yes / No / Partial
Obligations of Supervisors	foreseeable hazards to health and safety in the area where the worker is performing work,	 Where compliance with use and wearing of PSRS devices is an issue, put in place appropriate measures and procedures to address non-compliance 	
	(c) report to the employer a concern about an unsafe or harmful work site act that occurs or has occurred or an unsafe or harmful work site condition that exists or has existed, and	 Develop processes to ensure supervisors communicate with workers regarding hazards and dangers where workplace violence occurs or is likely to occur Ensure supervisors are due diligent and take every precaution reasonable in the circumstances to protect workers (e.g., understand and enforce PSRS policies, measures and procedures; provide workers with appropriate PSRS devices, communications, training and education; conduct workplace inspections, observations and audit worker health and safety practices related to PSRS; maintain health and safety documentation for due diligence purposes; and report unresolved PSRS issues not within their ability or authority to their superior or employer etc.) 	
OHS Act Part 1, Section 5(1) Obligations of Workers	 Every worker shall, while engaged in an occupation, (a) take reasonable care to protect the health and safety of the worker and of other persons at or in the vicinity of the work site while the worker is working, (b) cooperate with the worker's supervisor or employer or any other person for the purposes of protecting the health and safety of (i) the worker, (ii) other workers engaged in the work of the employer, and 	 Establish processes, training and instruction that ensures workers understand their PSRS responsibilities and compliance expectations including requirements to use or wear PSRS equipment e.g., through training and education programs, supervision, job descriptions, mentoring and reviews etc. Develop and implement reporting mechanisms for workers to enable reporting of potential or existing hazards such as workplace violence or defective equipment including PSRS devices. Establish processes to ensure that workers are aware of their right to participate through the JHSC; right to know about hazards and how to protect themselves; and the right to refuse unsafe work 	Click here to enter text.



Торіс	Legislative Requirement	PSRS Considerations	Compliance Yes / No / Partial
	(iii) other workers not engaged in the work of that employer but present at the work site at which that work is being carried out,		
	(c) at all times, when the nature of the work requires, use all devices and wear all personal protective equipment designated and provided for the worker's protection by the worker's employer or required to be used or worn by the worker by this Act, the regulations and the OHS Code,		
	(d) refrain from causing or participating in harassment or violence,		
	(e) report to the employer or supervisor a concern about an unsafe or harmful work site act that occurs or has occurred or an unsafe or harmful work site condition that exists or has existed,		
	(f) participate in any training provided by the employer, and		
	(g) cooperate with any person exercising a duty imposed by this Act, the regulations and the OHS Code.		



Legislative Requirement	PSRS Considerations	Compliance Yes / No / Partial	
13(6)The duties of a joint health and safety committee include the following:	 Establish processes for: JHSC to identify hazards including those that are related to workplace violence hazards and PSRS; JHSC to make recommendations if any, to the employer or workers including those related to PSPS 	Click here to enter text.	
concerns respecting the health and safety of workers;	 Employer to respond to recommendations in a timely manner. JHSC to obtain and receive information 		
(b) participation in the employer's hazard assessment;	 PSRS health and safety information or testing from the constructor or employer JHSC to be consulted on and offered the opportunity to be present at any health and 		
(c) the making of recommendations to the employer respecting the health and safety of workers;	salely lesting related to FSRS		
The health and safety representative shall, in cooperation with a representative of the employer, perform the same duties, with any necessary modifications, as set out for the joint health and safety committees in section 13(6)	 Establish processes for: HSR to identify hazards including those that are related to workplace violence hazards and PSRS; HSR to make recommendations to the employer or workers and trade unions regarding workplace prevention including those related to PSRS; Employer to respond to recommendations in a timely manner. HSR to obtain and receive information regarding potential or existing hazards and/or PSRS health and safety information or testing from the constructor or employer HSR to be consulted on and present at any 	Click here to enter text.	
	 13(6)The duties of a joint health and safety committee include the following: (a) the receipt, consideration and disposition of concerns respecting the health and safety of workers; (b) participation in the employer's hazard assessment; (c) the making of recommendations to the employer respecting the health and safety of workers; The health and safety representative shall, in cooperation with a representative of the employer, perform the same duties, with any necessary modifications, as set out for the joint health and safety 	 13(6) The duties of a joint health and safety committee include the following: 13(6) The duties of a joint health and safety committee include the following: I Establish processes for: JHSC to identify hazards including those that are related to workplace violence prevention; JHSC to make recommendations if any, to the employer or workers including those related to PSRS and workplace violence prevention; I HSC to be consulted on and offered the opportunity to be present at any health and safety of workers; The health and safety representative of the employer, perform the same duties, with any necessary modifications, as set out for the joint health and safety indition to the employer or workers and trade unions regarding workp	



Торіс	Legislative Requirement	PSRS Considerations	Compliance Yes / No / Partial
Part 27 – Workplace Violence	390(1) An employer must develop and implement a violence prevention plan that includes a violence prevention policy and violence prevention procedures.	 Establish and maintain a Workplace Violence Prevention Policy that includes PRSR and workplace roles and responsibilities 	Click here to enter text.
	390(2) The employer must develop and implement the violence prevention plan in consultation with	 Provide information and instruction on the policy and program, e.g., workplace violence prevention and PSRS training and education program 	
	(a) the joint health and safety committee or the health and safety representative, if the employer is required to establish a committee or designate a representative, or(b) affected workers, if the employer is not required to establish a committee or designate a representative.	 Establish measures and procedures to summon immediate assistance when workplace violence occurs or is likely to occur - include activities such as identifying and selecting PSRS devices (measures): developing PSRS policies and procedures and additional measures; developing and implementing PSRS education and training. 	
		 Ensure a workplace violence risk assessment is completed and reassessments are conducted as often as necessary – determine where PSRS are needed 	
		 Develop processes to ensure the JHSC/HSR or workers if there is no JHSC or HSR, are advised of the assessment results and provide a copy to them. The workplace violence risk assessment can help inform the organization of areas needing PSRS and devices. 	
		Develop protocols and processes for the employer and supervisor to provide information, including personal information, related to a risk of workplace violence from a person with a history of violent behaviour if the worker is expected to encounter the person; and the worker is likely to be exposed to workplace violence. Note that a worker exposed or likely to be exposed to workplace violence requires a mechanism to summon immediate assistance for example a PSRS	
Duty to use Personal Protective Equipment (OHS		 Develop and implement processes to ensure the PSRS equipment is selected to ensure suitability of actual use (e.g., able to summon assistance immediately to protect 	Click here to enter text. Click here to enter text.



Code - Part 18 Section 228 (1-2)228(1) If the hazard assessment indicates the need for personal protective equipment, an employer must ensure thatEmergency Preparedness(a) workers wear personal protective equipment that is	a worker where workplace violence is to occur or likely to occur) Establish processes to ensure manufacturer's guidelines are followed regarding PSRS pre-use inspections by	Click here to enter text.
and Response (118) Equipmentcorrect for the hazard and protects workers, (b) workers properly use and wear the personal protective equipment,(b) workers properly use and wear the personal protective equipment,.(c) the personal protective equipment is in a condition to perform the function for which it is designed, and.(d) workers are trained in the correct use, care, limitations and assigned maintenance of the personal protective equipment228(2)A worker must.(a) use and wear properly the appropriate personal protective equipment specified in this Code in accordance with the training and instruction received, 	trained workers and maintenance Establish processes to ensure all workers using the PSRS have been trained on its use and function before using it for the first time, and provide refresher training at regular intervals Establish a process to consult the JHSC/HSR on workplace violence and PSRS and consider their recommendations Develop written measures and procedures for workplace violence and PSRS in consultation with the JHSC/HSR and considering their recommendations Establish a process and plan to review and if required revise the PSRS measures and procedures at least annually in consultation with the JHSC/HSR Establish a PSRS education and training program in consultation with the JHSC/HSR Develop PSRS training and education program content that includes training and instruction on PSRS use, care and limitations Ensure the PSRS training and instruction is integrated into existing training program matrices so that it is delivered before a PSRS device is used for the first time and refresher training is provided on at regular intervals Establish requirements to ensure PSRS training and instruction is mandatory Establish processes and procedures to ensure that the PSRS device(s) is properly used, stored and inspected e.g., audits, observation, inspections; and properly maintained in accordance with manufacturer guidelines	



Торіс	Legislative Requirement	PSRS Considerations	Compliance Yes / No / Partial
	An employer must provide workers designated under section 117 with equipment and personal protective equipment appropriate to the work site and the potential emergencies identified in the emergency response plan.		

(Occupational Health and Safety Act Statutes of Alberta, 2020, Chapter O-2.2, April 1, 2023; Occupational Health and Safety Code – Alberta, March 31, 2023)





PSRS Gap Analysis and Action Plan Tool

Visit: pshsa.ca/workplace-violence

Appendix B: PSRS Gap Analysis and Action Plan Tool

How to use this tool

- This tool should be completed by the PSRS committee (if one is established)/JHSC/HSR and/or working group. The goal is to complete the analysis and develop an action plan and/or make recommendations to Senior Management. Note: The tool is based on the Plan-Do-Check-Act continuous quality improvement process.
- 2. PSRS committee/JHSC/HSR or working group should be diverse in membership and may include:
 - management
 - workers (union/non-union)
 - Joint health and safety committee (JHSC) member(s) and/or Health and Safety Representatives (HSR)
 - purchasing
 - security personnel
 - human resources and/or health and safety professionals
 - emergency management committee member
 - workplace violence committee members
 - others as determined by the organization

Appendix B: PSRS Gap Analysis and Action Plan Tool



- 3. The PSRS committee may be a subcommittee of the JHSC.
- 4. The PSRS committee/JHSC/HSR or working group should include a PSRS leader who will be the key facilitator of the committee and should have the authority to make decisions. It is their role to coordinate, liaise with management about the PSRS progress and bring an action plan and/or recommendations forward.
- 5. The PSRS committee/JHSC/HSR or working group should review the facility Workplace Violence Risk Assessment (WPVRA) prior to completing this tool to understand PSRS controls needs.
- 6. There are eight areas of assessment in this tool. PSRS committee members should read each of the eight statements and descriptions under each statement. This will require consultation with others in the organization. Indicate whether the statement and descriptions are 'Yes', 'No', 'Partial' or not applicable 'N/A'. For each description under a key element that is in place or is a 'yes', check the box so you know it is complete e.g., ☑ Element 1: A leader has been selected to oversee the PSRS development and implementation.
- 7. Document what is and what is not in place in the organization in the comments section. Consult others, review documents e.g., measures, procedures, training records as evidence. Be specific where possible.
- 8. Review the documented comment sections and determine the gaps that need to be addressed. Document the gaps in the comment section.
- 9. Based on the gaps identified, determine the actions necessary to remedy them. Further investigation and consultation with the committee or working group or others may be required, as well as additional resources and training.
- 10. Assign responsibilities to the appropriate person(s).
- 11. Identify a target date for completion for each item identified. Enter the completion date only when the activity is completed.
- 12. A recommendation or action plan report can be developed for the employer using information from this tool.



	Personal Safety Response	System Ga	p Analysis and	Action Plan			
Dat	e of Gap Analysis and Action Plan : Click here to enter text.		Team Member	s: Click here to	enter text.		
Iter	n Key Elements	Yes No Partial N/A	Comments and PSRS Gaps	Action Plan	Person Responsible	Target Date	Completion Date
Pla		•		•			
1.	There is Senior Management commitment to develop, implement	t and maint	ain a PSRS?			-	•
	A leader has been selected to oversee the PSRS development and	Click here	Click here to	Click here to	Click here to	Click here	Click here to
	implementation	to enter	enter text.	enter text.	enter text.	to enter	enter text.
	Human and financial resources are available	text.				text.	
	A multidisciplinary working group has been coordinated e.g., or						
	workplace violence committee or JHSC subcommittee						
	PSRS goals and objectives have been set						
2.	Legal requirements have been identified for example the Alberta	Occupatio	nal Health and	Safety Act and	d Code		
	Workplace Violence Risk Assessment	Click here	Click here to	Click here to	Click here to	Click here	Click here to
	Measures and procedures to summon assistance when violence occurs or is likely to occur (OHS Code Part 27 – Workplace Violence)	to enter text.	enter text.	enter text.	enter text.	to enter text.	enter text.
	General Obligations (OHS Act, Part 1)						
	Emergency Preparedness and Response (OHS Code Part 7)						
	Personal protective Equipment (OHS Code Part 18)						
3.	Workers and other stakeholders have been encouraged to partic	ipate in the	PSRS.	1			1
	Workers and stakeholders have been engaged in PSRS	Click here	Click here to	Click here to	Click here to	Click here	Click here to
	development or review e.g., management, JHSC/HSR, security,	to enter	enter text.	enter text.	enter text.	to enter	enter text.
	purchasing, police, maintenance/facilities, health and safety specialists, police etc.	text.				text.	
4.	Workplace Violence Hazard Identification, Workplace Violence R					-	
	WPV hazard identification and WPVRA have been completed.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.



Item	n Key Elements	Yes No Partial N/A	Comments	Action Plan	Person Responsible	Target Date	Completion Date
Do							
5.	The organization manages workplace violence risks and develop						
	PSRS measures have been identified and selected, e.g., devices that protect workers that comply with legislation and meet organizational needs (See Appendix C: PSRS Device Needs Assessment Tool, Appendix D: General Overview of Common PSRS Device Options and Features Tool and Appendix E: PSRS Device Needs Assessment Summary Tool, and Appendix F: PSRS SWOT Analysis Tool)	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
	Written PSRS measures and procedures have been developed that consider manufacturer guidelines and existing emergency response and workplace violence procedures (See Appendix G: PSRS Policy and Procedure Development Guidelines)						
	Roles and responsibilities for PSRS have been identified (See Appendix G: PSRS Policy, Measures and Procedure Development Guidelines)						
	PSRS training has been developed in consultation with the JHSC						
	All Legal requirements have been met						
6.	The organization has implemented PSRS controls in consultatio			1	1	1	1
	Devices and procedures have been implemented Training needs assessment, program and evaluation has been established	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
	Training has been implemented e.g., policies, measures, procedures, roles and responsibilities					IGAL.	
	Management monitors and ensures ongoing readiness and preparedness of PSRS devices and procedures						
	Management has ensured that PSRS device(s) and procedures have been integrated into the emergency response and workplace violence prevention program						



Iten	Key Elements	Yes No Partial N/A	Comments	Action Plan	Person Responsible	Target Date	Completion Date
Che	ck			·			
7. T	ne organization has evaluated the PSRS.						
	A team or individual(s) have been identified to evaluate the PSRS Indicators and metrics have been developed to evaluate the PSRS, e.g., training, employee surveys, data on usage, response times – (was assistance immediate), statistics of workplace violence incidents and/or injuries before and after implementation, debriefing processes post incident etc. (Also see Appendix G: PSRS Policy and Procedure Guideline Sample – under evaluation, and Appendix H: PSRS Training Considerations and Evaluation)	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
	The JHSC is provided a copy of all reports respecting OH&S related to PSRS and devices.						
	The organization has evaluated/reviewed and as necessary revised the PSRS at least annually						
	PSRS gaps, corrective actions and opportunities for improvement have been identified						
	The JHSC and/or HSR and stakeholders have been consulted on the PSRS evaluation						
	Recommendations for improvement have been made to the employer						



Iten	n Key Elements	Yes No Partial N/A	Comments	Action Plan	Person Responsible	Target Date	Completion Date
Act							
8. T	he organization has implemented PSRS continuous quality impr	ovements.					
	The organization has acted on approved PSRS continuous quality improvements Continuous quality improvements have been documented and communicated to management, workers, JHSC/HSR and others as required	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Ada	The organization repeats the plan-do-check-act or similar continuous quality improvement processes for PSRS apted from CSA Z1000, 2009						





Appendix C: Device Needs Assessment Tool

How to use this tool

- 1. The needs assessment tool will help an organization to further determine their specific PSRS requirements in terms of devices and their required features. The primary and secondary questions will provide some guidance toward this goal. Additional secondary questions may be added.
- 2. The PSRS committee (if one is established)/JHSC/HSR or working group should complete this tool.
- 3. The PSRS committee/JHSC/HSR or working group should review the organization's WPVRA before completing this PSRS Device Needs Assessment to better inform the PSRS committee/JHSC/HSR or working group when identifying possible PSRS devices. This will ensure functionality of any devices and reduce workplace violence risks.
- 4. Complete the date and assessment team members section.
- 5. The overall purpose of device selection is to help organizations comply with legislative requirements, e.g., to provide a means for workers to summon immediate assistance when violence occurs or is likely to occur; and when there is a risk of workers being exposed to patients/persons with a history of violent behaviour or observed violent behaviours or actual violence and the risk is likely to result in physical injury. The device must summon immediate assistance. The

Appendix C: Device Needs Assessment Tool



PSRS committee/JHSC/HSR or working group will need to identify the specific purpose or application of the device(s) in the organization e.g., device for all workers in an organization, device specific for security etc.

- 6. Complete the primary and secondary questions related to "who, what, why, when and how". Also document comments and the organization's needs in the Comment/Needs section. Complete the question regarding the current situation and add any other pertinent information as the PSRS committee/JHSC/HSR or working group deems proper.
- 7. Once complete go to Appendix E Summary of Needs.



	PSRS Device Needs Assessment	
Date: Click here to enter text.	Assessment Team: Click here to enter text. Location or Service: Click here to enter text.	Purpose or application: Click here to enter text.
Primary Questions	Secondary Questions	Comments/Needs
Who will: use it, hear it and respond to it?	 What <u>sector</u> will this be used in (e.g., acute care, long term care, community care, office?) What type of workers will use it (e.g., <u>clinical, non-clinical, support, administrative, security, other</u>?) Will it be for workers in a <u>department, at a site or the entire location</u>? Will it be <u>all workers or targeted workers</u>? Are any of these workers at risk of workplace violence? Will other workers and/or responders be available to hear it and respond to it? Other? 	Click here to enter text.
What will it be used for?	 Will it be used to communicate workplace violence? Will it be used for workers working alone? Will it be used for other communications with others including patients and coworkers, professionals, support services etc.? Will it be used to comply with the legislation and ensure every precaution reasonable in the circumstances was taken to protect workers? Other? 	Click here to enter text.
Why will it be used?	 Will it be used to <u>summon immediate assistance when violence occurs</u> <u>and/or is likely to occur?</u> Will it be used for <u>monitoring worker safety</u>? Will it be used to summon immediate assistance with <u>clinical or support</u> <u>activities</u>? Will it be used to summon immediate assistance from security guards if present? Other? 	Click here to enter text.
When will it be used?	 Will it be used for <u>workplace violence/emergency</u> events? Will it be used for workers <u>working alone onsite</u>, offsite or remotely? Will it be used as a <u>check in and check out</u> device? Will it be used to <u>locate</u> workers that have not responded or checked in or to <u>search</u> for a worker in distress or in a remote area? 	Click here to enter text.

Appendix C: Device Needs Assessment Tool



	PSRS Device Needs Assessment
	 Will it be used other times that are <u>not an emergency</u>? Consider if there have been <u>instances or events when a device was</u> <u>needed and may have prevented injury if immediate assistance had</u> <u>been available</u>? Other
Where will it be used?	 What <u>environment</u> will it be used in e.g., clinical setting, reception, community, offices, interview rooms with doors closed, driving, support areas, hallways, stairwells, elevators, parking lot, garages etc.? Name all. Will it be used in <u>risk for violence or dangerous situations and/or routine activities</u>? Will it be <u>onsite or offsite or in remote areas</u> or when workers are working alone or short staffed with or without mobile phone reception e.g., need <u>satellite</u> technology? Name all. Other?
How will it be used?	 Will it be use to alert everyone e.g., PA system or intercom, or just to notify specific people e.g., pager, voice badge, security? Will a worker need to <u>carry a device</u> for easy access and to ensure they have a means to summon immediate assistance when violence is actually occurring e.g., panic button and-another device to make noise so those close by might respond. Will people be available to respond? And how will this be determined and confirmed and tested/monitored? Will a worker need to <u>carry a device</u> for easy access to <u>activate a one</u> way response for help to someone elsewhere e.g., mobile panic button app on a phone? Will a worker need to carry a device for easy access to <u>allow two way</u> <u>communication</u> with someone elsewhere to get help e.g., communication badge, phone, two way radio? Can worker access any of these devices quickly when violence is occurring? Will workers need to <u>use the device for all communications</u> and not just summoning help e.g., wireless communication badge, cell phone? Will a worker need to use a computer or tablet or a combination of technologies? Will a <u>hardwired device</u> at a location be needed e.g., panic button alarm on a wall, siren, public announcement system, land line phone? Can a worker access this when violence is occurring?

Appendix C: Device Needs Assessment Tool



	PSRS Device Needs Assessment	
	 Will the device require an <u>external host site to operate</u> or will it require <u>onsite operations</u>? Will it likely require an IT infrastructure and support? Will the PSRS need human resources to operate? Will enough wireless hubs be installed to ensure no dead zones? How much training is required? Other? 	
What is your current situation?	What do you currently have in place? Are current PSRS devices effective? Why or why not?	Click here to enter text.
	Consider the device, maintenance, training etc.	
	Consider if it would meet legislative compliance for having measures and procedures in place to summon immediate assistance when violence occurs or is likely to occur.	
	Does it meet legislative compliance for the employer to take every precaution reasonable in the circumstances for the protection of a worker (for example, has the organization implemented a PSRS policy including roles and responsibilities, procedures, appropriate devices that summon immediate assistance, PSRS device inspection and maintenance program, an education and training program; maintained PSRS documents and records; and conducted at a minimum an annual PSRS review and continuous improvement processes etc.?)	
Other Considerations		Click here to enter text.





Overview of PSRS Device Options and Features Tool

Visit: pshsa.ca/workplace-violence

Appendix D: Overview of PSRS Device Options and Features Tool

How to use this tool

- After completing the <u>Appendix C: PSRS Needs Assessment</u> determine the PSRS device type(s) or category that protects workers, <u>complies with legislation</u> and meets the needs of the organization. More than one type of device may be required.
- 2. Using the chart below review the features needed that would work best to protect workers in their environment and situations.
- 3. Consider the WPV risks and whether they are have occurred or are likely to occur; and any possible exposure to patients/persons with a history of violent behaviour or risk of violent behaviour, work situations and what activities are at the workplace. Refer to the WPVRA.
 - a) What is the likelihood of exposure to workplace violence very likely, likely, possible, unlikely, highly unlikely? What if it's possible or unlikely what recommendation does the risk assessment tool suggest?
 - b) What is the potential severity of injury that could be sustained catastrophic, critical, minor or negligible?
 - c) What is the overall risk to the workers high, moderate, low or very low?

More advanced and multi-purpose PSRS devices may be recommended for certain environments and workers who are exposed or likely to be exposed to workplace

Appendix D: Overview of PSRS Device Options and Features Tool



violence, work situations and activities where response time is critical to reduce the risk of injury to workers and where locating workers may be critical.

- 4. Take the following into consideration:
 - a) Are the work activities onsite, offsite or both?
 - b) What is the best way to communicate that help is needed in the situation and that meets legislated requirements?
 - I. Two-way communication e.g., phone, pager, multi-purpose communication device?
 - II. Voice mediated alert that provides one way voice communication instructions to act e.g., code white e.g. public address in combination with other devices
 - III. Audible alert e.g., noise maker (where others are trained and can respond)
 - IV. Visual alert e.g., quiet alert such as panic button for reception
 - c) Will the worker be working alone where no one can see or hear worker onsite or offsite or in remote regions?
 - I. Do they need people nearby to respond to an alert or is the alert automated?
 - II. Do they need access to hardwired physical alarms or landlines?
 - III. Do they need or have access to WiFi and enough wireless hubs to ensure no dead zones?
 - IV. Do they need or have access to cellular towers for cell phone use?
 - V. Do they need or have access to blue tooth in the workplace or while driving?
 - VI. Do they need or have access to satellite e.g., off the grid?
 - VII. Do employees need to check in and check out when engaging clients?
 - d) Will workers need the device to work for multiple purposes e.g., communicate with others including patients or other persons, send a signal that they have been activated and help is on the way?
 - e) Will workers need GSP locating, no motion or man-down detection, fall detection (working at heights), beacon location detection for remote workplaces?
 - f) Will workers using a phone or pager have time to initiate a call for help or do they need an emergency button phone application to reduce response time?
 - g) Does the organization want to own and operate the devices?
 - h) Does the organization want an external provider to monitor workers?
 - i) Does the organization want the flexibility offered by multiple device integration depending on worker needs that meets legislated requirements e.g., Vocera?
 - j) Does the worker need to carry a device with them or can it be accessed onsite in the workplace?



	1						C	vervi	ew of	PSR	S Dev	ice O	ption	s and	Feat	ures			
	General PSRS Features																		
Device Category	Audible Alert	Visual Alert	Voice Mediated	Mobile Emergency / Panic Button	Automated Employee Check-in & Check- out	One-Way Voice Communication	Two-Way Voice Communication	GPS Locating Technology	Two way text messaging	No motion or Man Down Detection	Fall Detection	Beacon Location Technology	24/7 Monitoring	Blue Tooth Wireless	Satellite – Remote or Off The Grid	Own and Operate Devices	Remote Host Operated	Other	Comments Features vary with products
Wireless / Internet Web-Based Communication e.g., Vocera	Х	х	х	Х	Х		х	х					Х	Х		Х		Onsite Only Integrations with Clinical Applications	Multiple devices options– phone, cell, tap badges, computer, tablet, nursing alarms system. Needs WiFi, offers reports
Standalone - Lone Worker Devices			х	Х	Х		х	х	х	х	Х	х	Х	Х	Х	х	х	On / Off Site, Remote, Driving	Variable features available. May use WiFi, cell, satellite communication technologies
Cellular Phone with Working Alone App			Х	х	Х		х	Х	Х	Х			Х			Х		On / Off Site	WiFi and Cellular/Mobile Communications
Cellular Phone			Х				Х		Х									On / Off Site	WiFi and Cellular/Mobile Communications



Landline Phone Digital Phone			Х				Х									On / Off Site	Can be used with other technologies
Two Way Radio			Х				Х	Х								On / Off Site	Variable distances Variable features
Pagers						Х	Х		Х							On / Off Site	Variable features
Alert Button or Security Badge	х		Х	Х		Х	Х	Х		Х	Х	Х		х	Х	On / Off Site	Variable Products Available with Variable Features and Prices
Public Address System or Intercom	Х	Х	Х		х	Х	Х									Typically Hardwired At location	Variable Products Variable Activation Methods
Physical Alarms: Panic Button with strobe, alarm, siren	Х	Х	Х			×										Typically Hardwired At location	Variable Products
Noise Maker e.g., whistle, screamer badges	Х															On / Offsite	Relies on Others Nearby e.g., to physically hear and respond, and to have sufficient and trained staff in all areas of the work

Note that products options and features change with time. Within each category various device versions with many features are available. The onus is on each organization to investigate the devices within the category they select to ensure the device they choose meets their specific needs. This chart is only to be used as a general guide.

Appendix D: Overview of PSRS Device Options and Features Tool





PSRS Device Needs Assessment Summary Tool

Appendix E: PSRS Device Needs Assessment Summary Tool

How to use this tool

This tool is used to summarize the organization's PSRS needs and determine the type of device(s) that will meet legislative compliance and the needs of the organization e.g., provide the functionality needed. Use this chart provided below. Note that more than one device may be needed depending on the risks, environment and activities in the workplace.

- Review <u>Appendix C: PSRS Needs Assessment</u> to determine the type of device features that best suit the needs for the organization, protects workers and meet legislative requirements for the application identified.
- 2. Review <u>Appendix D: Overview of PSRS Device Options and Features</u> to see what PSRS device categories/types, options and features that are available and are likely to fit the organization's needs and protects workers and support legislative compliance. Note that legislative compliance is not met by the device alone but in combination with implementation and compliance with policies, procedures and training.
- 3. The next step is to source and investigate current products and devices available in the device categories identified in <u>Appendix D</u>. Devices change over time so device categories, options and features have been provided versus specific brands in most cases to help organizations in their decision-making. Assistance of purchasing personnel may be required. Where possible engage vendors and trial products if possible.

Appendix E: PSRS Device Needs Assessment Summary Tool



- 4. Document the categories and types of devices that best meets the organization's needs in the PSRS Needs Assessment Summary chart provided.
- 5. Once specific products and devices have been selected, complete <u>Appendix F: SWOT</u> <u>Analysis</u> for individual product devices.



PSRS Device Needs Assessment Summary																			
Device	PSRS Device Features and Options Needed													Comments					
Name and Application and/ or Location of use	Audible Alert ONLY	Visual Alert ONLY	Voice Mediated	Mobile Phone Emergency / Panic Button	Automated Employee Check-in & Check-out	One-Way Voice Communication	Two-Way Voice Communication	GPS Locating Technology	Two way text messaging	No-motion or Man Down Detection	Fall Detection	Beacon Location Technology	24/7 Monitoring Ability	Blue Tooth Wireless	Satellite – Remote or Off the Grid	Own and Operate Devices	Remote Host Operated	Other	Note if the device is able to summon immediate assistance where workplace violence is to occur or is likely to occur.
1.																			Click here to enter
2.																			Click here to enter
3.																			Click here to enter
4.																			Click here to enter
5.																			Click here to enter
6.																			Click here to enter





PSRS Device Strengths, Weaknessess, Oppertunities and Threats (SWOT) Analysis Tool

Visit: pshsa.ca/workplace-violence

Appendix F: PSRS Device Strengths, Weaknesses, Oppertunities and Threats (SWOT) Analysis Tool

How to use this tool

- 1. The purpose of this tool is to evaluate selected devices to determine their strengths and weaknesses, and any opportunities and threats. Strengths and opportunities are considered advantages while weaknesses and threats are considered disadvantages. See the legend below for definitions.
- 2. The PSRS committee (if established)/JHSC/HSR or working group should complete this tool.
- 3. Ensure that the organization has completed the WPVRA, PSRS Needs Assessment and Needs Assessment Summary prior to selecting the devices.
- 4. Identify the device locations the tool will be used for e.g., department, entire workplace
- 5. Review the sample criteria provided in the PSRS Device SWOT tool. Additional criteria may be added by the assessment team.
- 6. Discuss the criteria as it relates to the device, workplace activities and situations.
- 7. Evaluate the PSRS device and determine the strengths, weakness, opportunity and threats (SWOT).
- 8. Place criteria into the relevant SWOT analysis sections below based on the team decisions and consensus. See the completed Sample SWOT provided.

Appendix F: PSRS Device Strengths, Weaknesses, Oppertunities and Threats (SWOT) Analysis Tool



- 9. Add any adjectives to further describe the criteria as the team believes to be proper e.g. for response time now becomes "enhanced response time"
- 10. Review and summarize the overall advantages and disadvantages.
- 11. The team discusses the findings and makes a decision on the devices that best protects workers, meets legislative compliance to summon assistance when violence occurs or is likely to occur and meets the organization's needs and reduces the risks related to workplace violence.
- 12. If possible trial devices before purchasing.

Legend:

Strengths: positive characteristics or attributes that contribute to an advantage internal to the organization

Example: PSRS device reduces response time and allows two way voice communication which can best prevent worker injury

Weaknesses: critical characteristics or attributes that contribute to a disadvantage internal to the organization

Example: PSRS device may not be heard by staff at the location and therefore not ensure that immediate assistance will be summoned

Opportunities: a set of external factors or circumstances that can be used to an advantage to achieve goal or outcome

Example: satellite coverage allows all lone workers in remote areas to use the device

Threats: a set of external factors or circumstances that could jeopardize the situation or have a negative influence on the desired goal or outcome

Example: poor cell phone coverage in remote areas limits the usefulness of a cell phone panic button application



PSRS Device SWOT Analysis						
Name of Device to be Evaluated:	Date:	Assessment Team:				
Click here to enter text.	Click here to enter text.	Click here to enter text.				
What locations will the device be used? Click here to enter text.						
Needs Assessment: Complete Appendix C prior to comp nere.	leting this form and add ar	ny additional comments				
Sample Criteria Considerations	<u>Strengths</u>	Weaknesses				
 Ease of use Ease of implementation Multi-purpose e.g., alert, worker and/or patient communications Best protects workers Meets OHSA requirement to immediate summon assistance when violence occurs or is likely to occur Infrastructure requirements e.g., WiFi, cellular, satellite, internet Capital Cost / Feasibility including interim measures until Capital cost funds allocated Operating Cost / Feasibility IT start up and support IT software and hardware Human resources needs Maintenance Training requirements Vendor service and reliability Internal use – offsite Response Time 	Click here to enter text.	Click here to enter text.				
 Two way communication One way communication GPS capabilities Visual alert and quality Sound alert and quality Voice alert and quality Scalability Reflects best practice / evidence Administrative efficiency Measurability of impact/metrics Good fit for need Additional safety features Other 	Opportunities Click here to enter text.	<u>Threats</u> Click here to enter text.				
Summary	Overall Advantages	Overall Disadvantages				
Click here to enter text.	Click here to enter text.	Click here to enter text.				



SAMPLE: PSRS Device SWOT Analysis							
Name of Device to be Evaluated: Vocera	Date: September 8, 2018	Assessment Team: Workplace Violence PSRS Subcommittee					
What locations will device be used? Hospital Employees, all locations							
Needs Assessment: Organizations would complete Appendix C and add any additional information here							
Sample Criteria Considerations	<u>Strengths</u>	<u>Weaknesses</u>					
 Ease of use Ease of implementation Multi-purpose e.g. alert, worker and /or patient communications Best protects workers Meets OHSA requirement to immediately summon assistance when violence occurs or is likely to occur Infrastructure requirements e.g. WiFi, cellular, satellite, internet Capital Cost / Feasibility Operating Cost / Feasibility IT start up and support IT software and hardware Human resources needs Maintenance Training requirements Vendor service and reliability Internal use – onsite External use – offsite Response Time Two way communication One way communication GPS capabilities Visual alert and quality Sound alert and quality Solability Reflects best practice / evidence Administrative efficiency Measurability of impact/metrics Good fit for need Additional safety features Other 	 Meets legislative requirements System operates 24/7 Infrastructure customized for healthcare hospitals Implementation can be phased in and integrated Owned and operated by hospital Provides various options for two way communication e.g. tap badges, cell phone, computer and other integrations possible e.g. security alerts Good sound quality and functionality Multi-purpose e.g. summons immediate help, use for patient and workplace communication Can reduce alarm fatigue Enhances response time Good administrative efficiency System can provide data on usage metrics Ideal for onsite workers Provides GPS locating for workers working alone Scalable for all onsite workers Reputable vendor Reflects best practice Good fit for our needs 	 Higher capital and operating cost however benefits out way the cost e.g. legislative compliance, improved worker safety, decreased workplace injuries and improved patient satisfaction Relies on WiFi and does not work for offsite employees so alternative devices must be explored for this group. Areas without good internet coverage will not ensure workers can summon assistance where violence occurs or is likely to occur Workers may not be able to access tap badge if being attacked so additional solutions may be required. <u>Threats</u> None noted 					
Summary Overall technology is good fit for the need. Disadvantages can be mitigated with alternative devices for offsite worker and with planning and contingency procedures.	Overall Advantages Device provides extensive versatility and can summon immediate assistance where WPV occurs or is likely to occur. Can improve response times and can be integrated into responses with security. Data collection for metric evaluation is available. Good administrative efficiencies,	Overall Disadvantages Potential dead zones could be an issue however these could be dealt with via administrative controls such as policy and procedures e.g., testing connectivity, ensuring battery power, and					
	very scalable, reflects best practices and offers exceptional features. Enhances patient care communications. Overall good fit for the need.	ensuring contingency plans with training.					





PSRS Policy and Procedure Guideline

Visit: pshsa.ca/workplace-violence

Appendix G: PSRS Policy and Procedure Guideline

How to use this tool

- 1. This tool can be used by the PSRS lead and PSRS committee if any/JHSC/HSR.
- 2. Review the sample PSRS policy and procedures to understand the key components.
- 3. Review what your organization has in place for PSRS policies, measures and procedures to determine whether your organization requires the revision of the current documents or development of a new policy, measure and procedure.
- 4. Use the guideline and sample PSRS policy, measure and procedure template to craft or modify the organization's PSRS policy, measures and procedures.
- 5. The sample PSRS policy template is designed to help in the development of organizational policies specific to employee personal safety. The template is meant to be modified and adapted to meet specific organizational needs.



Sample Personal Safety Response System (PSRS) Policy and Procedures

Policy title: Personal Safety Response System	Policy number:	Review date:			
Revision date:	Approval date:	Implementation date:			
Authorized by:		Signature:			
JHSC Consultation Date:					

POLICY

Purpose

The purpose of this policy is to provide direction and guidance to all workplace parties regarding the effective use, care and limitations of personal safety response systems that will:

- Protect workers from harm; and
- Ensure that mechanisms and processes are in place for workers to "summon immediate assistance when violence occurs or is likely to occur" when there is a risk of or actual workplace violence.

Policy Statement

<Name of Organization> understands the responsibilities to take every precaution reasonable under the circumstances to protect workers, comply with the health and safety legislation related to workplace violence, and to provide measures and procedures for "summoning immediate assistance when workplace violence occurs or is likely to occur".

<Name of Organization> is committed to the development, implementation and maintenance of a sustainable personal safety response system (PSRS). This includes determining the appropriate means of summoning immediate assistance when workplace violence occurs or is likely to occur, including:

- the provision of PSRS devices that meets the needs of workers based on the workplace violence risk assessment, legislative requirements and other information, and
- establishing PSRS measures, procedures and training.

PSRS training will be provided to all workers before using the devices and on regular intervals thereafter, to new management and workers at orientation, and refreshers will be provided on an ongoing basis. <Name of Organization> is also committed to annual evaluation of the PSRS in consultation with stakeholders including the JHSC and/or HSR. Approved quality improvements will

Appendix G: PSRS Policy and Procedure Guideline



be implemented and communicated to workplace parties. All workplace parties are required to follow the PSRS policy, measures and procedures.

Scope

This policy applies to everyone in the organization that are likely to be exposed to workplace violence or other emergency situations, and need to summon immediate assistance when violence occurs or is likely to occur.

Goals

The following provides a few examples of goals:

- To ensure all workplace parties know and understand their PSRS roles and responsibilities
- To ensure workers can summon immediate assistance when workplace violence occurs or is likely to occur
- To optimize emergency response and prevent workplace injuries/illness e.g., response time
- To comply with legislative requirements, and adopt evidence-based and best practices to summon immediate assistance where workplace violence occurs or is likely to occur

Objectives

- Appoint and maintain a PSRS lead and PSRS committee to provide oversight of PSRS
- Conduct and/or regularly review a PSRS needs assessments considering the workplace violence risk assessment findings, legislated requirements, needs of workers and select appropriated devices as necessary
- Develop, implement and maintain written PSRS policy, measures and procedures
- Develop, implement and maintain a PSRS training program for all existing and newly hired staff
- Cross reference PSRS into related policies, measures and/or programs
- Ensure ongoing PSRS communications to workplace parties as needed
- Develop PSRS indicators and evaluate, review and revise the PSRS at least annually in consultation with JHSC/HSSR and stakeholders, and provide recommendations to management for quality improvement.



Definitions

PSRS:

A means or method of communication and actions to manage an emergency such as a workplace violence occurrence or incident. It includes <u>measures such as PSRS devices</u>, and <u>procedural best practices or steps</u> that operate together to help protect a worker(s) from physical and/or psychological harm.

A PSRS device:

An equipment (measure) that can be used to summon immediate assistance when violence occurs or is likely to occur, or when other emergencies occur that threatens a worker's health and safety.

Roles and Responsibilities

Board of Directors

- Take all reasonable care to ensure that the corporation complies:
 - with the occupational health and safety act and regulations
 - with any orders and requirement from the Ministry of Labour inspectors, Directors and Minister.

Employer

- Appoint a PSRS lead and/or PSRS administrator, and multi-disciplinary committee or working group to oversee PSRS development, implementation and evaluation
- Provide fiscal and human resources to support PSRS, including training and equipment.
- Ensure the development, implementation, maintenance and evaluation of PSRS, in consultation with the JHSC/HSR and stakeholders.
- Ensure a workplace-violence risk and PSRS needs assessment is conducted that identifies risks and PSRS needs.
- Advise the JHSC and/or HSR of workplace-violence risk assessments and findings, including risks needing PSRS.
- Provide any OHS PSRS reports to the JHSC and/or HSR.
- Approve, review and enforce the PSRS standards e.g., policy, measures and procedures.
- Ensure the review and if required revision of PSRS measures and procedures occurs at least once a year.
- Where the PSRS requires revision, consult with the JHSC or HSR and consider their recommendations when developing, establishing and putting into effect the revised measures and procedures.
- Consult the JHSC and/or HSR on PSRS training as per healthcare regulations on training and educational programs.
- Take every precaution reasonable in the circumstances to protect workers.
- Respond to any JHSC recommendations as per the Occupational Health and Safety Act

Supervisor

Appendix G: PSRS Policy and Procedure Guideline



- Participate in workplace violence risk assessment and PSRS needs assessment as required to identify PSRS needs in the areas under your authority.
- Be familiar with applicable H&S legislation.
- Ensure workers that require PSRS devices have and use them appropriately.
- Enforce PSRS policy, measures and procedures.
- Monitor PSRS readiness and compliance to measures and procedures in areas under supervisor authority by, but not limited to, conducting management inspections and auditing PSRS work practices.
- Encourage employees to report workplace violence hazards / risks immediately or PSRS defects.
- Participate in workplace violence investigations and emergency response debriefings in areas of authority to evaluate the effectiveness of PSRS.
- Communicate PSRS changes, concerns and solutions to employees and others in a timely manner.
- Develop and/or coordinate with others a training matrix for employees under their authority that includes PSRS devices used in their work areas.
- Ensure employees attend regular PSRS training and workplace violence prevention training that pertains to summoning immediate assistance where violence occurs or is likely to occur including PSRS
- Ensure employees know what to do in case of emergency; and where indicated, participate in mock drills.
- Maintain training records e.g., scope and content, date, length of training, signatures, and evaluation of understanding.
- Promote a culture of safety, PSRS awareness and readiness.
- Take every precaution reasonable in the circumstances to protect workers.

Worker

- Participate in workplace violence prevention training including the use of PSRS if applicable and sign training records.
- Comply with PSRS policies, measures and procedures as required.
- Attend regular workplace-violence prevention and PSRS training.
- Report any workplace violence hazards, incidents or PSRS device defects to the supervisor or employer immediately.
- Cooperate in any investigations as required.

Joint Health and Safety Committee/Health and Safety Representative

- Be consulted in the development and revisions of the workplace violence prevention policies, measures, procedures and program including PSRS
- Be consulted on PSRS health and safety training as per HCRFR
- Participate in investigations as outlined in the Occupational Health & Safety Act e.g., critical injury.
- Receive and review occupational health and safety-related reports regarding PSRS
- Review workplace-violence risk assessments, including areas/responsibilities pertaining to PSRS.
- Conduct monthly inspections that include identification of summoning help concerns.

Appendix G: PSRS Policy and Procedure Guideline



- Make recommendations for improvement in writing to management as needed.
- Receive accident/illness notification with prescribed information within 4 days
- Be notified of critical injuries immediately

PSRS Administrator or Delegate(s) e.g., PSRS committee lead

- Responsible for oversight of the PSRS
- Develop policy and procedures as needed
- Coordinate selection and evaluation of devices
- Provide communications to management and workers
- Develop and/or coordinate PSRS training program
- Oversee PSRS monitoring, evaluation and recommendations
- Develop reports to management for quality improvement

Other Roles and Responsibilities may include:

- PSRS committee or working group coordinate PSRS activities
- Purchasing
- Security responder
- Risk Management advisor
- Emergency Management advisor, cross referencing of PSRS into Emergency Measures and Response
- Occupational Health and Safety advisor, compliance with legislation
- Switchboard PSRS responder
- Information Technology (IT) PSRS technological advisor, software/hardware management
- External Provider/Operator PSRS dispatcher
- Other Responders e.g., response teams, police

PROCEDURES

Considerations: Procedures describe how the policy will be put into action — who will do what, what steps they need to take, and which documents or resources they will use. Consider adding decision trees, algorithms and step-by-step checklists to help users visualize the process as appropriate for the workplace. Tracking and analyzing data is instrumental in evaluating the effectiveness of the procedures and identifying potential improvements. Ensure that procedures include daily or every-shift testing of alarm systems, along with documentation of all charging / changing of batteries (including expected battery life).



Sample Procedure Topics

Administration PSRS and Devices Oversight

• Outline how the PSRS administrator or lead will provide oversight and the activities involved

Summoning immediate Assistance

- Outline when the procedures for "summoning immediate assistance" is required e.g., when workplace violence occurs or is likely to occur or another emergency
- Describe the steps to follow at your organization e.g., code white, emergency measures
- Cross reference if this is located in another policy e.g., workplace violence or emergency measures

PSRS Device Needs Assessment, Selection and Evaluation

- Outline oversight processes e.g., administrator, PSRS committee and stakeholders
- Outline the organizations processes for conducting a PSRS needs assessment
- Outline processes for selection and evaluation of devices e.g., conduct needs assessment and summary; research devices and conduct device trials; conduct SWOT analysis on selected devices; develop recommendations; and outline approval process. (Refer to Appendices C, D, E, F)
- Other as required.

Inventory and Maintenance of Devices

- Outline inventory and monitoring processes
- Outline processes for preventative maintenance and schedules as per guidelines including batteries and checking connectivity

PSRS safe operating procedures (SOP) for devices

- Develop SOPS for devices for summoning help e.g., refer to manufacturer guidelines for SOP
- Include down-time procedures and special considerations when PSRS devices are not functional or alternate systems must be used. If down-time is covered under another policy or procedure – cross reference to the relevant document.
- Add device procedures e.g.
 - Integrated Wireless Internet Devices
 - Standalone Devices
 - Badges and Pendants
 - Cell Phone Emergency
 Applications
 - Cell Phone comment on personal phones and organization owned phone

Communication

Outline communication processes:

- Landline PhoneTwo-way radio
- Public Address System
- Intercom
- Physical Alarms
- Noise makers

Appendix G: PSRS Policy and Procedure Guideline



- Describe how and when PSRS information will be communicated to management, workers, JHSC/HSR, and/or others e.g., students, physician, and visitors etc.
- Describe communications content e.g., policy and procedures including down-time procedures when equipment is non-operations or under maintenance, training and schedules etc.
- Describe communication record documentation and maintenance.

Training

Outline mandatory training requirements:

- PSRS training and delivery methods e.g., theoretical (classroom, webinar, on-line modules); and practical hands-on practice, mock drills and role play scenarios and exercises.
- Frequency of training.
- Evaluation methods e.g., tests, practical.
- Training record management and storage.

Evaluation

Outline how, when and who will evaluate the PSRS:

- PSRS Administrator/lead will oversee the evaluation of the PSRS process with the PSRS committee
- Evaluation will include a review of PSRS indicators, debriefing findings, policy, measures, procedures and training; and relevant emergency response data. Indicators may include but not limited to:
 - PSRS usage
 - PSRS response time
 - PSRS response and injury rate
 - PSRS inspections compliance
 - Number of people trained on PSRS
 - PSRS compliance with PSRS procedures

(Refer to Appendix H: PSRS Training Considerations and Evaluation)

- PSRS policy and procedures to be evaluated, reviewed and if necessary revised annually in consultation with stakeholders and JHSC/HSR
- Approved quality improvements will be implemented according to an implementation plan and communicated to management and workers in a timely manner.



Cross Reference Policies and Procedures

- Cross reference to other relevant Policies and Procedures e.g.,
 - Emergency measures and/or codes including debriefing, documentation of emergency responses and corrective actions
 - Workplace violence
 - Flagging
 - Individual Client Risk Assessment
 - Security

Signature:	(President, CEO, Administrator, Executive Director)
------------	-----------------------------------------------------

Date:

Date of JHSC Consultation: _____

References:

Alberta Occupational Health and Safety Act Alberta Occupational Health and Safety Code CCSA Personal Health and Safety Response Toolkit





PSRS Training Considerations and Evaluation

Visit: pshsa.ca/workplace-violence

Appendix H: PSRS Training Considerations and Evaluation

How to use this tool

- 1. This tool was designed to provide additional concepts, explanatory information and considerations for training and potential training evaluation.
- 2. Review the explanatory information to enhance your organizations PSRS training framework and evaluation.
- 3. Read the definitions of the Kirkpatrick Model and four levels of evaluation.
- 4. Review the evaluation descriptions and questions for each level.
- 5. Review potential methods and tools to measure each level indicators.
- 6. Select the method or tools preferred or research additional methods or tools.
- 7. Develop your PSRS training evaluation for each of the four levels.



PSRS Training Considerations

The following provides additional training considerations related to training objectives, potential content, potential training methods, training frequency and record management.

PSRS Training objectives

Each organization should set their own training objectives. A few examples are as follows:

- To provide comprehensive training topics related to workers summoning immediate assistance when violence occurs or is likely to occur as well as PSRS use, care and limitations
- To provide a training framework that is adaptable to workplace sectors and organizational settings
- To ensure workers:
 - Understand the organization's PSRS measures and procedures for summoning immediate assistance when violence occurs or is likely to occur.
 - Understand how the PSRS device(s) works including PSRS care, use and limitations
 - Understand the required responsibilities for each worker's role in an immediate response situation.
 - Understand the contingency system and how / where / when it is accessed in the event the primary PSRS does not work.
- To engage external partners such as local police in development and delivery of PSRS training.
- To ensure all those who require PSRS training complete the training e.g., mandatory

Training content

Training should not be limited to device use only and it should be comprehensive. The following outlines core topics to be included but are not limited to:

- Policy including definitions, and PSRS Roles and Responsibilities
- PSRS procedures including accessing the organization's PSRS and knowing how to activate the process, and implement procedures
- Assessing a situation and determining the need to activate a PSRS e.g., situations where workers feel at risk for workplace violence
- PSRS devices use, care and limitations
 - Safe operating procedures on how to use the device, including sounds and alerts
 - Inspections and frequency
 - Testing of PSRS devices
 - PSRS maintenance e.g., battery
 - Limitations of the device
 - PSRS device repairs processes e.g., reporting defects to supervisor or management immediately
 - Contingency planning when the primary PSRS device doesn't work e.g., dead zones, malfunction, battery failure etc.
- Practical examples of immediate response using realistic scenarios, simulations and drills

Appendix H: PSRS Training Considerations and Evaluation



- Importance of readiness and preparedness to act and/or respond to an emergency immediately
- Awareness of alarm fatigue and to avoid complacency

Training methods

Although some aspects of training may be delivered in a classroom and/or through e-learning modalities, a practical 'hands-on" component to PSRS training to ensure participant competence is required. The following provides suggested practical methods.

- Interactive training
- Mock drills that test knowledge retention and build confidence in knowledge application
- Simulation training where possible for more effective adult learning and knowledge retention
- Role play with problem-based case scenarios, including sample procedures for contingency

Training Frequency

Organization will need to determine the frequency of training. The suggested frequencies are:

- Train all staff before use and at regular intervals thereafter
- Train upon hiring;
- Annual refreshers; or
- Train more frequently as needed.

Record Management

Training records retention is part of an organization's due diligence and these records are extremely important to maintain. Records may include but are not limited to training content, list of trainers, training rosters, knowledge and skills assessments, training attendance dates and signatures etc. Each workplace will need to identify:

- Who in the organization will maintain and store the records e.g., administration, manager, human resources etc.?
- What content and format will training records will be maintained e.g., paper, electronic, both etc.?
- Where in the organization will training records be located and how e.g., worker file in HR, central document and training record repository, administration, human resources information system (HRIS)?
- How long will documents and records be maintained.

PSRS Training Evaluation

Training evaluation can be used to examine training costs, training completeness, participant satisfaction, training impact and effectiveness. A well-known model for evaluating training is the Kirkpatrick Four-Level system (Kirkpatrick, n.d.). The Kirkpatrick Four-Level Model allows trainers to go beyond initial training feedback and think more broadly about its impact. Kirkpatrick's model takes into account:

Appendix H: PSRS Training Considerations and Evaluation



- 1. Reaction how participants felt about the training
- 2. Learning the level of knowledge gained e.g., changes in knowledge, skills and attitudes
- 3. Behaviour whether participants have modified their behaviour
- 4. Results assessing outcomes related to organizational well-being and productivity

This models suggests evaluating two major types of training metrics, namely consumptive and impact metric data. *Consumptive metric data* indicates the investment in training e.g., how much time, how many sessions and how many resources etc. *Impact metric data* indicates the "value and tangible results" that training has had (Kirkpatrick & Kirkpatrick, 2014, p.7). Examples of impact metric data include participant satisfaction, learning (knowledge, skills and attitudes), change in behaviours including PSRS use; and worker injury prevention. The following Table outlines the Kirkpatrick's Four-Level Model including evaluation descriptions for each level, and potential tools and methods of measurement.



Kirkpatrick's Four-Level Model Success Indicators

Indicator Level	Evaluation description and sample questions	Sample Method or Evaluation Tools
Reaction	 Did the participants feel that the training was worth their time? Did they feel the training was successful e.g., helped them acquire desired knowledge and provided guidance for their practice? What were the strengths and weaknesses of the training? Did the participants like the venue and presentation style? Did the training session accommodate participants' personal learning styles? 	 Likert-scale satisfaction survey or questionnaires e.g., psychological measure to assess attitudes, values and opinions Sad to happy face rating scale survey or questionnaires
Learning	 Did the participants learn what was intended to be learnt from the training objectives? What is the extent of advancement or change in participants since the training? 	 Before and after written tests Interview, verbal and/or observation assessment with set competency criteria Problem-based performance scenarios Self-assessment using set criteria and measurement
Behaviour	 Did the participants put any of their learning to use in job practice? Are they able to teach their new knowledge, skills/attitudes to others? Are they aware that they've changed their behaviour? 	 Observation of job performance or audits by skilled observers supervisor, manager, or professional practice
Results	 Has the PSRS training yielded any of the following outcomes: Increase in proper use of PSRS Higher morale and confidence with PSRS use Fewer staff complaints Decreased worker and client injuries counts and injury severity during workplace violence or emergency events Improved emergency response time Improved client care 	 PSRS electronic data on PSRS usage if available with the device or system e.g., usage, response time Employee workplace violence survey Code white debriefing findings with focus on appropriate PSRS usage and workplace violence responses (develop questions to be asked as part of the code white response debriefing) Workplace violence injury statistics including near misses and hazardous situations Patient satisfaction survey finding Security response and data

Adapted from Mind Tool (n.d.)



Indicators or outcomes of training effectiveness can be examined / categorized at three levels:

- Staff level
- Department / unit level
- Organizational level

It is important for the organization to identify relevant indicators / outcomes at each level. In the context of PSRS, indicators at each of the three levels can help determine key training factors. For example, at the staff level an employer may want to think about various elements that make the workforce unique — vulnerable workers for whom English is a second language; new and young workers with low occupational tenure; and differences in existing knowledge on a particular topic. At the unit or department level, indicators around teamwork and client-population factors can come into play. At the organizational level, fostering a culture of safety is perhaps the key training-success indicator.





Personal Safety Response System Awareness Fast Fact

Visit: pshsa.ca/workplace-violence

Appendix I: Personal Safety Response System Awareness Fast Fact

How to use this tool

- 1. This free PSRS fast fact can be used by organizations to provide awareness to workplace parties on the topic of PSRS.
- 2. Those overseeing the PSRS education and instruction, managers, supervisors, joint health and safety members and others may wish to use the fast fact.
- 3. Downloading and coping the fast fact is encouraged. See terms of use.
- 4. The fast fact provides definitions of PSRS and PSRS devices, general information on PSRS devices and the importance of everyone knowing what their responsibilities are for PSRS.
- 5. A link to the PSRS tool kit is provided for those who would like further information on the toolkit.





Personal Safety Response System (PSRS)

What is a PSRS and why is it important?

A PSRS is defined as:

A means or method of communication and actions to manage an emergency such as a workplace violence occurrence or incident. It includes <u>measures such as PSRS devices</u>, and <u>procedural best</u> <u>practices or steps</u> that operate together to help protect a worker(s) from physical and/or psychological harm.

A PSRS device can be defined as:

An equipment measure that can be used to summon immediate assistance when violence occurs or is likely to occur, or when other emergencies occur that threatens a worker's health and safety.

There are many PSRS devices which are considered a measure to summon immediate assistance when violence occurs or is likely to occur. They can range from basic physical alarms, telephone-type devices and internet technologies, for example: onsite panic alarms, satellite GPS phone and two way WiFi communication badge with GPS. The PSRS definition highlights that a PSRS is not just about device (measures) to summon assistance when violence occurs or is likely to occur. The PSRS is a system also includes procedures and it should include assignment of roles and responsibilities so everyone knows what to do when using the devices and how to respond appropriately. A lack of written measures and procedures and/or clarity of roles and responsibilities when using devices may lead to confusion, an inappropriate and/or slow emergency response and /or complacency. Everyone using a PSRS should be prepared and ready for the unexpected.

Appendix I: Personal Safety Response System Awareness Fast Fact



Knowing how to use devices effectively and how to respond promptly can protect the health and safety of workers, clients, patients, residents, visitors and others in hospitals, longterm care and community care workplaces and environments. A PS

GOOD TO KNOW

A PSRS includes measures such as devices <u>and</u> procedures that operate together to protect workers and

others.

A PSRS may:

- alert and summon others immediately to respond and help;
- deter a potential perpetrator;
- monitor or locate lone workers; and
- support PSRS information collection, analysis and reporting.

What can employers do to ensure an effective PSRS is in place?

- Appoint a PSRS lead and/or PSRS administrator, and multi-disciplinary committee that includes the Joint Health and Safety Committee (JHSC) and/or Health and Safety Representative (HSR) to oversee PSRS development, implementation and evaluation
- Provide fiscal and human resources to support PSRS, including training, education and equipment
- Ensure a workplace violence risk and PSRS device needs assessment is conducted that identifies risks, PSRS needs and compliance with the legislation e.g. device must summon immediate assistance when workplace violence occurs or is likely to occur
- Ensure development, implementation, maintenance and evaluation of PSRS, in consultation with stakeholders, the JHSC and/or HSR
- Advise the JHSC and/or HSR of workplace-violence risk assessments, including areas needing PSRS.
- Provide any health and safety reports concerning PSRS to the JHSC and/or HSR
- Approve, review and enforce the PSRS standards e.g., policy, measures and procedures and training
- Ensure the review and if required revision of PSRS measures and procedures occurs at least once a year
- Consult with the JHSC and/or HSR and respond to any PSRS recommendations
- Consult the JHSC and/or HSR on PSRS training as per healthcare regulations on training
- Take every precaution reasonable in the circumstances to protect workers

What can managers do to ensure an effective PSRS?

- Participate in the workplace violence risk assessment and help identify areas needing PSRS
- Be familiar with applicable health and safety legislation
- Ensure all workers understand the relevant PSRS policies, measures and procedures and have attended training
- Ensure workers that require PSRS devices have and use them appropriately

Appendix I: Personal Safety Response System Awareness Fast Fact



- Monitor and enforce compliance with PSRS procedures in areas under supervisor authority
- Encourage workers to report workplace violence hazards / risks immediately or PSRS device defects
- Communicate PSRS changes, concerns and solutions to workers in a timely manner
- Maintain training records
- Promote a culture of safety, PSRS awareness and readiness
- Take every precaution reasonable in the circumstances to protect workers

What can workers do to protect themselves?

- Actively participate in workplace violence prevention training including the use of PSRS
- Follow PSRS policies, measures and procedures
- Attend regular workplace violence prevention and PSRS training
- Report any workplace violence hazards, incidents or PSRS device defects to the supervisor employer immediately
- Cooperate in any workplace violence investigations as required

What is the role of the JHSC or HSR?

- To be consulted in the development and revisions of the workplace violence prevention policies and program and training including PSRS
- Participate in investigations as outlined in the Occupational Health & Safety Act
- Receive and review occupational health and safety-related reports regarding worker safety
- Review workplace violence risk assessments including sections related to PSRS
- Receive accident/illness notifications in 4 days with prescribed information
- Conduct monthly inspections that including the identification of summoning help concerns
- Make recommendations for improvement in writing to management as needed

GOOD TO KNOW

Everyone needs to know what their roles and responsibilities are to ensure that the PSRS is effective and workers go home safe every day



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