



**CHEMICAL, BIOLOGICAL,
RADIOLOGICAL, NUCLEAR
& EXPLOSIVE
TASK FORCE
RESPONSE PLAN**

**OTTAWA Chemical, Biological, Radiological, Nuclear and Explosive
Task Force Response Plan
Final Version 1.0
TABLE OF CONTENTS**

**PART 1
BACKGROUND INFORMATION**

TAcronyms	3
T1.1 Alignment with the City of Ottawa, Emergency Management Program	5
1.2 Objectives of the Ottawa CBRNE Task Force Response Plan	5
1.3 CBRNE Operational Groups.....	7
1.4 Ottawa CBRNE Response Plan Phasing and Terminology	8

**PART 2
OTTAWA CBRNE RESPONSE PLAN
OPERATIONAL FUNCTIONS**

INTRODUCTION	14
OPERATIONAL FUNCTIONS GROUP I	15
COMMAND AND CONTROL.....	15
OPERATIONAL FUNCTIONS GROUP II.....	22
INITIAL ASSESSMENT	22
OPERATIONAL FUNCTIONS GROUP III.....	26
SAFETY AND SECURITY	26
OPERATIONAL FUNCTIONS GROUP IV	30
DECONTAMINATION AND TREATMENT	30
OPERATIONAL FUNCTIONS GROUP V.....	35
CONTAMINATED BODY & EQUIPMENT DISPOSAL.....	35
ORGANIZATIONAL CHART	39

**OTTAWA Chemical, Biological, Radiological, Nuclear and Explosive
Task Force Response Plan
Final Version 1.0**

Acronyms

C2: Command and Control
CSIS: Canadian Security Intelligence Services
CBRNE: Chemical, Biological, Radiological, Nuclear and Explosive
CBRU: Ottawa Paramedic Service Chemical, Biological and Radiological Unit
CCP: Casualty Collecting Point
CIS: Criminal Intelligence Section
CTF: City of Ottawa CBRNE Task Force
CTFOB: CTF Operations Branch
CTFPU: CTF Planning Unit
DIM: Detection, Identification and Monitoring Equipment
EMP: Emergency Management Program (City of Ottawa)
EOC: Emergency Operations Centre (Strategic Command & Control)
ESU: Ottawa Police Service Emergency Services Unit
EU: Ottawa Police Services Explosives Unit (included in the Tactical Unit)
FFAST: Firefighter Accountability and Scene Tracking
FIS: Ottawa Police Service Forensic Identification Section
HazMat: Hazardous Material
HazMat/CBRN Team: Ottawa Fire Services Hazardous Materials / CBRN Team
IC: Incident Command Centre (Operational Command & Control)
ICP: Incident Command Post
MOH: Ottawa Medical Officer of Health
OEM: Office of Emergency Management (City of Ottawa)
OFS: Ottawa Fire Services
OPH: Ottawa Public Health
OPS: Ottawa Police Service, Ottawa Paramedic Service
P: Partner Agency
PERT: Ontario Provincial Emergency Response Team
PHI: Ottawa Public Health Inspector
PPE: Personal Protective Equipment
P&R: Ottawa Parks & Recreation
PTE: Planning, Transit & the Environment
PTL: Paramedic Team Leader
PTU: Ottawa Paramedic Service Tactical Unit
PWS: Ottawa Public Works & Services
R: Responsible Agency
RCMP: Royal Canadian Mounted Police
RVP: Rendez-Vous Point
S: Support Agency
VAP: Vehicle Access Program

PART 1

BACKGROUND INFORMATION

**OTTAWA Chemical, Biological, Radiological, Nuclear and Explosive
Task Force Response Plan
Final Version 1.0**

1.1 Alignment with the City of Ottawa, Emergency Management Program

1.1.1 Emergency Management Program, Project 511-14 Definition

Project 511-14 is the development of an Ottawa CBRNE Task Force Response Plan (OCTFRP) and is a part of the City of Ottawa Emergency Management Program (EMP).

***Objectives:** The overall objective of this project is to ensure that the CBRNE Working Group is able to develop an Ottawa CBRNE Task Force Response Plan that identifies shared emergency response functions, describes the responsibilities of each agency, and outlines the preparedness, equipment and training (individual and collective) activities required for the agencies to coordinate, communicate and respond together effectively during an CBRNE emergency.*

1.1.2 Element 4 Definition

Element 4 of Project 511-14 is the development of an Ottawa CBRNE Task Force Response Plan for the City of Ottawa, adaptable to the general emergency response framework provided by the City of Ottawa Emergency Plan, last updated February 2007. The Response Plan consists of an emergency functions matrix detailing all CBRNE response activities required to provide service to the Ottawa area.

1.1.3 Scope of the Plan

The Ottawa CBRNE Task Force Response Plan deals with operational functions specifically designed to address CBRNE incidents. Other operational functions generic to emergency situations, in general, are dealt with in the City of Ottawa Emergency Plan.

The main features of the Ottawa CBRNE Task Force Response Plan are the following:

- It sets clear objectives and missions for all agencies involved,
- It relies on a thoroughly trained CBRNE Task Force,
- It includes CBRNE-trained staff at all levels in the chain of command,
- It describes the situational control that must be achieved,
- It describes a 3-phased victim rescue and decontamination process.

1.2 Objectives of the Ottawa CBRNE Task Force Response Plan

1.2.1 Strategic Intention

Coordinate effective multi-agency operations based on, but not limited to, CBRNE Task-Force (CTF) capabilities in order to:

1. Preserve and protect lives,
2. Mitigate and minimize the impact of the incident,
3. Prevent, deter, detect and investigate criminal activities,
4. Inform the public and maintain public confidence,
5. Assist in an early return to normality

**OTTAWA Chemical, Biological, Radiological, Nuclear and Explosive
Task Force Response Plan
Final Version 1.0**

1.2.2 Tactical Objectives

To achieve the aims of the strategic intention, the City of Ottawa Services and their partners need to:

- Locate the cause/origin and area of hazard,
- Contain and mitigate further contamination
- Manage survivors and their property,
- Decontaminate, triage, treat and transport people,
- Contain, evacuate or shelter in place persons affected,
- Identify the nature of the hazardous substances involved in the incident,
- Gather evidence,
- Neutralize and/or remove any source of contamination,
- Decontaminate the incident area when possible.

1.2.3 Ottawa CBRNE Task-Force (CTF)

Although mitigation, preparedness, response and recovery in the wake of a CBRNE incident are a City responsibility, the CTF concentrates the specialized resources available and is the keystone of the CTF Response Plan.

The CTF consists of:

A/ CTF Response Team:

Ottawa Fire Services:

- HazMat/CBRNE Team

Ottawa Police Service:

- Explosives Unit (EU)
- Forensic Identification Section (FIS)

Ottawa Paramedic Service:

- Paramedic Chemical, Biological and Radiological Unit (PCBRU)
- Paramedic Tactical Unit (PTU)

B/ CTF Support Team:

Ottawa Fire Services:

- Fire Suppression
- Accountability & Safety
- Air Management
- Command Staff

Ottawa Police Service:

- Tactical Unit
- Duty Inspector Program
- Emergency Services Unit (ESU)
- Patrol Operations

Ottawa Paramedic Service

**OTTAWA Chemical, Biological, Radiological, Nuclear and Explosive
Task Force Response Plan**
Final Version 1.0

- Frontline Paramedics
 - Paramedic Command Staff
 - Logistics Support Unit (LSU)
- Ottawa Public Health
- Public Health Inspectors (PHI)
- Public Works & Services:
- Surface Operations
 - Wastewater & Drainage Services
 - Traffic and Parking Operations
 - Water Environment Protection Unit
- Planning, Transit & the Environment:
- Transit Services

1.3 CBRNE Operational Groups

The City of Ottawa and its CTF respond to CBRNE incidents according to an emergency management pattern in line with the City of Ottawa Emergency Plan, focused on the victims' needs and based on CBRNE Operational Functions.

The Ottawa CBRNE Task Force Response Plan is structured by these CBRNE Operational Functions which allow the City to meet its tactical and ultimately, strategic objectives when confronted with a CBRNE situation.

CBRNE Operational Groups are assembled into 5 functional groups:

1.3.1 GROUP I - COMMAND AND CONTROL

1. Emergency Operations Centre (Strategic Level)
2. Service Command Centres (Tactical Level)
3. Incident Command Post (Operational Level)
CTF Coordination Centre (Operational Level)
4. Alert to Hospitals
5. Communications
6. Personal Protective Equipment
7. Hazard Perimeter Identification

1.3.2 GROUP II - INITIAL ASSESSMENT

1. Immediate Response
2. Detection
3. Identification
4. Sampling
5. Reports
6. Evidence Management

1.3.3 GROUP III – SAFETY AND SECURITY

**OTTAWA Chemical, Biological, Radiological, Nuclear and Explosive
Task Force Response Plan
Final Version 1.0**

1. Controlled Zone Security
2. Accountability and Safety
3. Rescue and Extraction
4. Counterintelligence
5. Containment, Recovery and Disposal (substance)
6. Hazardous Agent Monitoring

1.3.4 GROUP IV - DECONTAMINATION AND TREATMENT

1. Primary Decontamination
2. Triage (treatment is initiated as required)
3. Subject Registration
4. Secondary Decontamination
5. Rehabilitation
6. Medical Treatment
7. Medical Transportation
8. Vehicle & Equipment Decontamination

1.3.5 GROUP V – CONTAMINATED BODIES

1. Casualty Bureau
2. Reception Centres
3. Identification and Forensic Operations
4. Morgue
5. Evidence Preservation
6. Burial and Cremation

1.4 Ottawa CBRNE Response Plan Phasing and Terminology

The following terminology is in accordance with the official City of Ottawa, EMP Common Terminology (24 May 2006).

1.4.1 Phases

The **Victims Rescue and Decontamination Process** is outlined in 3 phases:

Phase 1: Situation Assessment

- Phase 1 begins when a CBRNE incident occurs (accident, bomb explosion...). In Phase 1, witnesses alert the emergency services, 911 and Communications Services activate immediate response; first responders arrive on scene, start gathering the victims and providing initial assessments on casualties, contamination and structural damage.
- Phase 1 includes when the Ottawa Fire Services have mustered on-scene the capability to perform mass/primary decontamination and are ready to operate.

**OTTAWA Chemical, Biological, Radiological, Nuclear and Explosive
Task Force Response Plan
Final Version 1.0**

- Phase 1 ends when the on scene Incident Commander notifies the City of Ottawa, Office of Emergency Management to activate/issue the appropriate alert level based on the City of Ottawa, Emergency Plan's Alert Level Decision Factors and Criteria.

Phase 2: Immediate Response

- Phase 2 begins when Ottawa Fire Services have mustered on-scene the capability to perform mass/primary decontamination and are ready to operate. During Phase 2, frontline Firefighters operate pumps to proceed to gross decontamination. Police Officers cordon the incident perimeter, regulate traffic and take protective measures to preserve general public safety. In consultation with Paramedic Services, Fire Services set up a Collecting Point for casualties before the gross decontamination area.
- Phase 2 ends when decontamination chains are ready to operate.

Phase 3: Supported Response

- Phase 3 begins when the decontamination chains are ready to operate. At this point, victims are triaged, treated if needed and directed as soon as possible from the Collecting Point towards the decontamination chains or the Victims and Survivors Reception Sector.
- Phase 3 ends when the last victim has been decontaminated and only the responder's decontamination chain is still operating for the purpose of supporting body recovery activities, site decontamination process and criminal investigations.

1.4.2 Situational Control

Establishing situational control is the priority goal of the Incident Command Centre.

Situational control is achieved when:

- Agent dispersal is under control / mitigated or neutralized
- Victims are being triaged and in the process treated and possibly being transferred to hospitals,
- Populations at risk have been evacuated/sheltered in place,
- Decontamination chains are operating,
- Perimeters, cordons, zones, areas and corridors have been identified and enforced according to the Ottawa CBRNE Response Plan,
- Firm liaison/communications have been established between the IC, the Service Command Centres and the Emergency Operations Centre.
- The nature of the incident has been determined with high probability,
- Hazardous materials or agents incriminated have been identified or at least categorized (chemical/biological/radiological),
- Criminal investigations have been initiated.

**OTTAWA Chemical, Biological, Radiological, Nuclear and Explosive
Task Force Response Plan
Final Version 1.0**

1.4.3 Zones, Areas, Facilities

Hot Zone: the area immediately surrounds a hazardous material incident, which exceeds far enough to prevent adverse effects from hazardous material releases to personnel and the environment outside the hot zone.

Warm Zone: buffer area between the Hot and the Cold Zones. Personnel in this area are removed from immediate threat, but are not considered completely safe from harm. The warm zone is the area where secondary decontamination takes place.

Cold Zone: clean area, as opposed to the Hot Zone and the Warm Zone, where command and support functions take place safe from any hazards from the event.

Controlled Area: area delineated by the Traffic Cordon and around the Cold Zone. The Controlled Zone is cleared by police of all non essential personnel and encompasses:

- The Joint Command & Control Sector,
- The Victims and Survivors Reception Centre,
- Staging Area
- The Transportation Sector.

Staging Area: temporary location of available resources. Practically, it is a parking place for emergency vehicles and incident-related resources awaiting a tactical assignment, located inside the Controlled Zone.

Joint Command & Control Sector: area within the Controlled Zone where are located all vehicles/facilities necessary to the operational C2 functions related to the incident.

Victims and Survivors Reception Sector: area or facility established within the Controlled Zone in order to receive non-ambulatory and all survivors so they can receive health care, psychosocial support and advice and have their details collected by police.

Casualty Collecting Point: visually identifiable point located in the Warm Zone where all casualties are assembled at the incident site, for decontamination and medical assessment or triage and treatment.

Triage Sector: area or location at an emergency site that has been identified where triage is to take place. Triage is the process of medically sorting casualties and patients who possess the greatest chance of survival in order of priority for treatment, transportation and rescue purposes.

Treatment Sector: area or location at an emergency site that has been identified where the actual treatment or stabilization of casualties is to take place.

Transportation Sector: the area or location at the incident scene that has been identified where the actual boarding and transportation of casualties is to take place. The

**OTTAWA Chemical, Biological, Radiological, Nuclear and Explosive
Task Force Response Plan
Final Version 1.0**

Transportation Sector is located within the Controlled Zone, between the Rendezvous Point (RVP) and the exit of the Decontamination Sector.

1.4.4 Perimeters and Cordons

Inner Perimeter: area visually identified by the Inner Cordon, which encompasses the Hot Zone and its immediate surrounding with the dual purpose of preserving personnel from hazard and securing the potential crime scene.

Outer Perimeter: area visually identified by the Outer Cordon, which encompasses the Warm Zone, including the Casualty Collecting Point and the Decontamination Area.

Traffic Cordon: the area around the scene that controls access to the scene

Traffic Perimeter: area enforced by the Traffic Cordon, with the purpose of preventing unauthorized vehicle to access the Controlled Zone.

1.4.5 Access and Corridors

Access Control Centre: joint entry control centre where safety officers ensure that all personnel entering the Warm Zone are vetting the proper Personal Protective Equipment (PPE).

Blue Corridor: reserved circulation way for emergency vehicles within the Controlled Zone, including the Staging Area. Emergency vehicles using the Blue Corridor cross the Traffic Cordon at the Blue Rendezvous Point (Blue RVP).

Red corridor: reserved circulation way for emergency vehicles between the Transportation Sector in the Controlled Zone and the hospitals. Emergency vehicles using the Red Corridor cross the Traffic Cordon at the Red Rendezvous Point (Red RVP). The Red Corridor is to be primarily used by the ambulances to access the hospitals and the ambulances parking located at the exit of the decontamination area. Depending on circumstances, the Blue and Red Corridors can use the same RVP.

1.4.6 Decontamination Operations:

Decontamination: the reduction or removal of contaminating material from a structure, area, object, environment or person by a physical, chemical and/or mechanical operation.

Primary Decontamination: decontamination that consists in removing the clothes (80% of the total contamination) and washing/rinsing with water or water and soap. Primary decontamination (a.k.a. gross decontamination) is used for mass decontamination whilst no other decontamination method is available.

**OTTAWA Chemical, Biological, Radiological, Nuclear and Explosive
Task Force Response Plan**

Final Version 1.0

Secondary Decontamination: in-depth decontamination that consists in physically removing the contamination using absorbing powder or other specific products (also known as clinical decontamination).

Decontamination Sector: area located in the Outer Perimeter, where the decontamination chains are set up.

Decontamination Chains:

- **Yellow Chain:** set up with the purpose of decontaminating ambulatory victims and marked with yellow & white checker tape and a yellow & white checker flag.
 - tape 
 - flag 
- **Red Chain:** set up with the purpose of decontaminating non-ambulatory victims and marked with a red & white checked tape and a red & white checker flag
 - tape 
 - flag 
- **Blue Chain:** set up with the purpose of decontaminating responders, equipment, and material and marked with a blue & white checker tape and a blue & white checker flag.
 - tape 
 - flag 
- **Green Chain:** set up with the purpose of decontamination is not necessary and marked with a green & white checker tape and a green & white checker flag
 - tape 
 - flag 
- **Black Chain:** set up with the purpose of decontamination of deceased persons and marked with a black & white checker tape and a black & white checker flag
 - Tape 
 - flag 

**OTTAWA Chemical, Biological, Radiological, Nuclear and Explosive
Task Force Response Plan
Final Version 1.0**

PART 2

OTTAWA CBRNE RESPONSE PLAN

OPERATIONAL FUNCTIONS

**OTTAWA Chemical, Biological, Radiological, Nuclear and Explosive
Task Force Response Plan
Final Version 1.0
INTRODUCTION**

This part outlines the operational functions necessary for a comprehensive and effective response to CBRNE incidents.

All operational functions are to be completed through fulfillment of the functions and tasks by one or several City of Ottawa Services.

The Role column indicates what role a Service is to take in the response:

Role Column	Role Designation	Definition
R	Responsible	Service responsible for coordinating the implementation of the operational function.
P	Partner	Critical stakeholder for the implementation of a task.
S	Support	Service/Department/Agency that can provide support if required.

**OTTAWA Chemical, Biological, Radiological, Nuclear and Explosive
Task Force Response Plan
Final Version 1.0**

OPERATIONAL FUNCTIONS GROUP I

COMMAND AND CONTROL

Function &/or Tasks	Department, Service or Agency	Role	Definition: CBRNE Command and Control
Emergency Operations Centre	Office of Emergency Management	R	<ol style="list-style-type: none"> 1. OEM Manager activates the EOC at a location secure from the CBRNE hazard. 2. OEM shares information with Emergency Management Ontario and may request specialized reinforcement at provincial level (PERT) and federal level (National CBRN Response Team, Joint NBC Defence Company). 3. The IC forwards any evacuation or sheltering in place measure utilized or recommended by the CTFOB to the EOC.
	City Manager	R	<ol style="list-style-type: none"> 1. Lead the EOC Control Group through planning cycles to; Coordinate the efforts and activities of the EOC CG in order to support the management the situation
	Corporate Communications	S	<ol style="list-style-type: none"> 1. Director of Corporate Communications or representative
	Ottawa Fire Services	P	<ol style="list-style-type: none"> 1. Ottawa Fire Chief or representative 2. Support response activities at the site 3. Ensure consistent dissemination of public information 4. Assure the continuity of services at a city-wide level 5. Coordinate activities as a whole

**OTTAWA Chemical, Biological, Radiological, Nuclear and Explosive
Task Force Response Plan
Final Version 1.0**

	Ottawa Police Service	P	<ol style="list-style-type: none"> 1. Ottawa Police Chief or representative 2. Support response activities at the site 3. Ensure consistent dissemination of public information 4. Assure the continuity of services at a city-wide level 5. Coordinate activities as a whole
	Ottawa Paramedic Services	P	<ol style="list-style-type: none"> 1. Ottawa Paramedic Chief or representative 2. Support response activities at the site 3. Ensure consistent dissemination of public information 4. Assure the continuity of services at a city-wide level 5. Coordinate activities as a whole
	Ottawa Public Health	P	<ol style="list-style-type: none"> 1. Medical Officer of Health or representative 2. Support response activities at the site 3. Ensure consistent dissemination of public information 4. Assure the continuity of services at a city-wide level 5. Coordinate activities as a whole
	Public Works and Services	S	<ol style="list-style-type: none"> 1. Deputy City Manager or representative. 2. Support response activities at the site 3. Ensure consistent dissemination of public information 4. Assure the continuity of services at a city-wide level 5. Coordinate activities as a whole
	Business Transformation Services	S	<ol style="list-style-type: none"> 1. Executive Director or representative 2. Support response activities at the site 3. Ensure consistent dissemination of public information 4. Assure the continuity of services at a city-wide level 5. Coordinate activities as a whole
	Community & Protective Services	S	<ol style="list-style-type: none"> 1. Deputy City Manager or representative 2. Support response activities at the site 3. Ensure consistent dissemination of public information 4. Assure the continuity of services at a city-wide level 5. Coordinate activities as a whole

**OTTAWA Chemical, Biological, Radiological, Nuclear and Explosive
Task Force Response Plan
Final Version 1.0**

	Planning Transit & the Environment	S	<ol style="list-style-type: none"> 1. Deputy City Manager, or representative 2. Support response activities at the site 3. Ensure consistent dissemination of public information 4. Assure the continuity of services at a city-wide level 5. Coordinate activities as a whole
Incident Command Post	Incident Commander	R	<ol style="list-style-type: none"> 1. Confirm or verify that a Command Centre at a location safe and secure from the CBRNE Hazard. 2. Manages the incident, utilizing the Incident Management System, to ensure the needs of the incident response are fulfilled
	CBRNE Task Force	P	<ol style="list-style-type: none"> 1. Constitute a separate CTF Operations Branch under the Operations Section. 2. Create, if required, a CTF Planning Unit under the Planning Section. 3. Provide CBRNE expert advice to the IC through the CTF Planning Unit under the Planning Section (if activated).
	Ottawa Fire Services	P	<ol style="list-style-type: none"> 1. Send a Platoon Chief to the IC. 2. Send a District Chief to the Operations Section. 3. Establish liaison between the IC and the Operational Fire Command Post at the CTFOB.
	Ottawa Police Service	P	<ol style="list-style-type: none"> 1. Send a Duty Inspector or delegate to the IC. 2. Send a Duty Inspector or delegate to the Operations Section. 3. Establish liaison between the IC and the Operational Police Command Post at the CTFOB. 4. Send a Criminal Intelligence Section representative to the IC.
	Ottawa Paramedic Service	P	<ol style="list-style-type: none"> 1. Send a Coordinator to the IC. 2. Send a Paramedic Team Leader to the Operations Section. 3. Establish liaison between the IC and the Operational Paramedic Command Post at the CTFOB.

**OTTAWA Chemical, Biological, Radiological, Nuclear and Explosive
Task Force Response Plan
Final Version 1.0**

	Ottawa Public Works and Services	P	<ol style="list-style-type: none"> 1. Send a Coordinator to the IC. 2. Send a Member to the Operations Section. 3. Establish liaison between the IC and the Operational Public Works and Services Command Post at the CTFOB.
	Ottawa Public Health	P	<ol style="list-style-type: none"> 1. Send a Public Health Inspections Program Manager to the IC. 2. Send a Public Health Inspector to the Operations Section. 3. Establish liaison between the IC and the Public Health Inspector at the CTFOB.
CTF Operations Branch	CBRNE Task Force Operations Branch Director	R	<ol style="list-style-type: none"> 1. Set up a CTF Operations Branch (CTFOB). 2. Liaise with IC and other command posts. 3. The CTFOB Director has operational command and control over the Hot and Warm Zones and the functional Groups as described in the CBRNE Task Force Response Plan. 4. The following functional Groups can be activated according to operational needs: Primary Decontamination Group, Subject Registration Group, Triage and Treatment Group, Secondary Decontamination Group, Rehabilitation Group and Security Group.
	Ottawa Fire Services	P	<ol style="list-style-type: none"> 1. Establish a Fire Group within the CTFOB. 2. Send a Hazmat Officer to the CTFOB. 3. Detach a HazMat Officer or Technician to the CTF Planning Unit (CTFPU), if activated. 4. Designate a Supervisor for the Hot Zone Division and the Primary Decontamination Group. 5. Liaise with IC and other command posts. 6. See that communications are secure.

**OTTAWA Chemical, Biological, Radiological, Nuclear and Explosive
Task Force Response Plan
Final Version 1.0**

	Ottawa Police Service	P	<ol style="list-style-type: none"> 1. Establish a Police Group within the CTFOB. 2. Send a Police Supervisor to the CTFOB. The Supervisor will be a member of the Explosives Unit or the Forensic Identification Section, depending on the type and stage of the incident (to be determined by the CTFOB Director). 3. Detach a Police Supervisor from the EU or the FIS to the CTFPU, if activated and convenient. 4. Designate a Supervisor for the Security Group. 5. Liaise with IC and other command posts.
	Ottawa Paramedic Service	P	<ol style="list-style-type: none"> 1. Establish a Paramedic Group within the CTFOB. 2. Host Public Health Inspector in its Paramedic Group. 3. Send a Paramedic Supervisor to the CTFOB. 4. Detach a Paramedic CBR Unit member to the CTFPU, if activated and convenient. 5. Designates a Supervisor for the Triage and Treatment Group, the Secondary Decontamination Group and the Rehabilitation Group. 6. Liaise with IC and other command posts.
	Ottawa Public Health	P	<ol style="list-style-type: none"> 1. Send a Public Health Inspector to the CTFOB – Paramedic Group 2. Dispatch a Public Health Inspector to the CTFPU, if activated and convenient. 3. Designate a Supervisor for the Subject Registration Group.
Communications	911	R	<ol style="list-style-type: none"> 1. Alert appropriate emergency services
	Ottawa Fire Services	R	<ol style="list-style-type: none"> 1. Alert Fire Management Team 2. Activate HazMat Team.
	Ottawa Police Service	R	<ol style="list-style-type: none"> 1. Alert Duty Inspector, Forensic Identification Section, Tactical/Explosives Unit and Emergency Services Unit.

**OTTAWA Chemical, Biological, Radiological, Nuclear and Explosive
Task Force Response Plan
Final Version 1.0**

	Ottawa Paramedic Service	R	<ol style="list-style-type: none"> 1. Alert Duty Coordinator/Paramedic Team Leader, Paramedic Tactical Unit (PTU) and Paramedic CBR Unit (CBRU). 2. Alert on call Public Health Inspector
	Office of Emergency Management	R	<ol style="list-style-type: none"> 1. Upon notification, confirm the appropriate alert level 2. Issue the appropriate alert level, through the Alert Notification Process 3. Monitor and assess the on-going situation and modify alert level as necessary
	CBRNE Task Force Operations Branch	R	<ol style="list-style-type: none"> 1. Establish and operate a CBRNE Task Force dedicated communication channel
Alert to Hospitals	Ottawa Paramedic Service	R	<ol style="list-style-type: none"> 1. Contact appropriate area Hospitals 2. Notify the IC and inform CTFOB – Paramedic Group Supervisor when this task is completed.
Personal Protective Equipment	CBRNE Task Force Operations Branch	R	<ol style="list-style-type: none"> 1. CTFOB is to advise the IC on the level of protection (for each zone) to be adopted by all personnel involved in the incident. 2. It is the responsibility of the IC to forward this information to partner agencies and external stakeholders. 3. The Command Staff – Information Officer communicates this information to the general public.

**OTTAWA Chemical, Biological, Radiological, Nuclear and Explosive
Task Force Response Plan
Final Version 1.0**

Hazard Zone Identification	CBRNE Task Force Operations Branch	R	<ol style="list-style-type: none"> 1. Based on expert initial assessment, the CTFOB - Director is to advise the IC on delineation of Hot/Warm/Cold Zone, Perimeter Security, Traffic Perimeter and Cordon. 2. Based on CTFOB assessment, the IC provides recommendations for eventual evacuation or sheltering in place measures to the Emergency Operations Centre. 3. The Command Staff – Liaison Officer to all partner agencies and external stakeholders communicates information on Hazard Zones. 4. The Command Staff – Information Officer communicates this information to the general public.
-----------------------------------	------------------------------------	---	---

**OTTAWA Chemical, Biological, Radiological, Nuclear and Explosive
Task Force Response Plan
Final Version 1.0**

OPERATIONAL FUNCTIONS GROUP II

INITIAL ASSESSMENT

Function /Tasks	Dept./Serv.	Role	Definition: CBRNE Initial Assessment
Immediate Response	CBRNE Task Force	R	<ol style="list-style-type: none"> 1. The CTF Response Team provides the subject matter expertise response to CBRNE incidents. 2. CTF Response is alerted, Agency Communications Centres or responders on site. 3. When CTF alert is confirmed, the CTF Support Team is activated by the relevant Services.
Detection	CBRNE Task Force	R	<ol style="list-style-type: none"> 1. Detect CBRNE materials or agents. 2. Assess danger to public health and potential for disruption of normal activities and operations. 3. Establish Hot and Warm/Zones. 4. Decide emergency containment measures 5. Recommend evacuation or sheltering in place to the IC.
	Ottawa Fire Services	P	<ol style="list-style-type: none"> 1. HazMat/CBRNE Team detects HazMat spills and assesses potential effects on public health and potential for disruption of normal activities and operations. 2. HazMat/CBRNE Team is to support upon request the Ottawa Police Service and Ottawa Public Health by providing Detection, Identification and Monitoring equipment and/or carrying out detection operations. 3. Designate a Hot Zone Group Supervisor. 4. Air Management to provide support to on-scene responders.

**OTTAWA Chemical, Biological, Radiological, Nuclear and Explosive
Task Force Response Plan
Final Version 1.0**

	Ottawa Police Service	P	<ol style="list-style-type: none"> 1. Explosives Unit assesses suspicious packages, which have not been opened, and all suspected or real Improvised Hazardous Devices. 2. Tactical Unit performs armed entries in suspicious/contaminated environment. 3. Forensic Identification Section assesses suspicious packages, which have been opened and known to be passive dissemination in nature or Improvised Hazardous Devices rendered safe by the Explosives Unit. 4. Emergency Services Unit provides security inside and on the perimeter
	Ottawa Public Health	P	<ol style="list-style-type: none"> 1. Public Health Program Manager liaises with Federal Laboratories (biological) to: <ol style="list-style-type: none"> a) Ensure timely interim and final results b) Interpret the results to determine health risks to exposed individuals and the community c) Determine appropriate interventions d) Transmit recommendations to victims and providers e) Arrange for necessary antidote clinics
Identification	CBRNE Task Force	R	<ol style="list-style-type: none"> 1. Identify as quickly as possible CBRNE agents/materials. 2. Transmit immediately, relevant information to all on-site responders, command posts and IC. 3. Liaise with external CBRNE experts and laboratories as required.
	Ottawa Fire Services	P	<ol style="list-style-type: none"> 1. HazMat/CBRNE Team holds the bulk of City Detection, Monitoring and Identification (DIM) devices. 2. Assist CBRNE Task Force and municipal partners for identification of hazardous substance.
	Ottawa Area Hospitals	P	<ol style="list-style-type: none"> 1. Upon request, Hospital laboratories in the Ottawa area can perform identification operations. 2. The Ottawa Fire Services HazMat/CBRNE Team or the Ottawa Police Service Forensic Identification Section must package and transport samples provided to Ottawa area Hospitals.

**OTTAWA Chemical, Biological, Radiological, Nuclear and Explosive
Task Force Response Plan
Final Version 1.0**

	Public Health	P	<ol style="list-style-type: none"> 1. Coordinate the receiving and tracking of Federal Laboratory results 2. Interpret results and ensure appropriate interventions have been taken and necessary follow-ups are occurring
	Ottawa Police Service	P	<ol style="list-style-type: none"> 1. Explosives Unit performs on-scene identification when the situation requires doing so. 2. Forensic Identification Section proceeds to substance identification when the priority objective is evidence collection for further investigations. 3. For accomplishing these tasks, Explosives Unit and the Forensic Identification Section can be supported by HazMat/CBRNE Team equipment.
Sampling	CBRNE Task Force	R	<ol style="list-style-type: none"> 1. Proceed to sampling of CBRNE agents according to forensic standards, in order to preserve potential evidence.
	Ottawa Fire Services	P	<ol style="list-style-type: none"> 1. The HazMat/CBRNE Team holds most of the City's DIM. 2. Support CBRNE Task Force and municipal partners. 3. Sample in case of natural and accidental CBRNE event.
	Ottawa Police Service	P	<ol style="list-style-type: none"> 1. The Forensic Identification Section will sample in case of CBRNE criminal and terrorist event. 2. Responsible for the safe transportation of samples to external laboratories.
Reports	CBRNE Task Force	R	<ol style="list-style-type: none"> 1. CTFOB reports immediately to the Operations Branch Director and the IC any significant progress in understanding the nature and threat posed by the hazardous substance.
	CBRNE Task Force	R	<ol style="list-style-type: none"> 1. Preserve, as much as possible and whenever practical, evidence essential to or that could facilitate police investigations

**OTTAWA Chemical, Biological, Radiological, Nuclear and Explosive
Task Force Response Plan**
Final Version 1.0

Evidence Management	Ottawa Police Service	P	<ol style="list-style-type: none">1. Forensic Identification Section: collect evidence.2. Forensic Identification Section: preserve evidence.3. Emergency Services Unit (ESU): under operational control of FIS, assist in the collection of evidence in contaminated large-scale areas.4. Police Patrol Officers: under operational control of FIS, collect evidences in non-contaminated large-scale areas.
----------------------------	-----------------------	---	--

**OTTAWA Chemical, Biological, Radiological, Nuclear and Explosive
Task Force Response Plan
Final Version 1.0**

OPERATIONAL FUNCTIONS GROUP III

SAFETY AND SECURITY

Function /Tasks	Dept./Serv.	Role	Definition: CBRNE Security and Safety
Controlled Zone Security	Incident Commander	R	<ol style="list-style-type: none"> 1. Determine location of the Staging Area and designate a Staging Area Manager. 2. Determine appropriate route for the Blue Corridor within the Controlled Zone. 3. Determine appropriate route for the Red Corridor, within the Controlled Zone.
	Traffic Incident Management Group	P	<ol style="list-style-type: none"> 1. Outside of the Controlled Zone manage the impact of road closures on traffic around the event
	CBRNE Task Force	R	<ol style="list-style-type: none"> 1. Manage the incident site delineated by the Warm and Hot Zones. 2. The CTFOB-Director has command and control over all resources deployed in the Warm and Hot Zones. 3. The CTFOB-Director designates an overall Security Supervisor from the Ottawa Police Service. 4. The CTFOB-Director determines the limits of the Hot Zone, the Warm Zone, and the controlled zone 5. The CTFOB-Director determines location of the Decontamination Sector.

**OTTAWA Chemical, Biological, Radiological, Nuclear and Explosive
Task Force Response Plan
Final Version 1.0**

	Ottawa Police Service	P	<ol style="list-style-type: none"> 1. ESU controls/enforces access to the Controlled Zone. 2. ESU provides public order security to Triage area and Decontamination Sector. 3. Tactical Unit provide armed security to Triage area and Decontamination Sector. 4. Tactical Unit to secure the contaminated area if necessary (armed entry). 5. Explosives Unit searches for secondary devices and clears the Controlled Zone. 6. ESU and Tactical Unit provides intervention reserve for arrests on site. 7. Patrol Operations support the ESU to control/enforce the Controlled Zone. 8. Patrol Operations redirect traffic around the Controlled Zone. 9. Patrol Operations searches under supervision of the FIS.
	Bylaw and Regulatory Services	S	<ol style="list-style-type: none"> 1. Support Ottawa Police Service to control/enforce access to the Controlled Zone. 2. Implement the Personnel and Vehicle Access Program (use the Site Control Registry and the Vehicle Identification System)
	PWS	S	<ol style="list-style-type: none"> 1. Provide material resources as required (barricades or road signs).
Accountability and Safety	Ottawa Fire Services	R	<ol style="list-style-type: none"> 1. Utilize Fire Fighter Accountability and Scene Tracking system 2. Distribute accountability vests 3. Manage accountability of personnel within the Warm and Hot Zones.
	Ottawa Police Service	P	<ol style="list-style-type: none"> 1. Manage the Blue RVP and the Red RVP.
	Bylaw and Regulatory Services	S	<ol style="list-style-type: none"> 1. Reinforce and support Ottawa Fire Services to enforce FireFighter Accountability and Scene Tracking and Ottawa Police Services to manage the Vehicle Access Pass and RVP's
Rescue and Extraction	CBRNE Task Force	R	<ol style="list-style-type: none"> 1. Rescue without compromising safety of CTF members. 2. Be in position to immediately extract any responder engaged in the Hot and Warm zone.

**OTTAWA Chemical, Biological, Radiological, Nuclear and Explosive
Task Force Response Plan
Final Version 1.0**

	Ottawa Fire Services	P	<ol style="list-style-type: none"> 1. Provide rescue in the Hot Zone and the Warm Zone. 2. Provide extraction force to all responders.
	Ottawa Paramedic Service	P	<ol style="list-style-type: none"> 1. Medically support rescue and extraction deployed by the CTF.
Counterintelligence	Ottawa Police Service	R	<ol style="list-style-type: none"> 1. Criminal Intelligence Section (CIS) provide timely and sound intelligence to the Incident Commander. 2. CIS maintains liaison with Law Enforcement Partner Agencies (RCMP, OPP, CSIS). 3. CIS maintains liaison with Operation INTERSECT liaison 4. CIS orientates and supervises counterintelligence operations on site. 5. Patrol Operations assist CIS in monitoring the crowd and surroundings of the incident site to detect and report any intelligence activity.
	Bylaw and Regulatory Services	S	<ol style="list-style-type: none"> 1. Upon request, assist Ottawa Police Services
Containment, Recovery and Disposal	Ottawa Fire Services	R	<ol style="list-style-type: none"> 1. Contain hazardous agent
	PWS	S	<ol style="list-style-type: none"> 1. Upon request, provide equipment and material to CBRNE TF 2. Surface Operations, Wastewater Services monitor hazardous spills within their capability and capacity.
	Ottawa Police Service	P	<ol style="list-style-type: none"> 1. Enforce safety perimeters designated by the Incident Commander 2. FIS recovers chemical, biological or radiological source. 3. Explosives Unit mitigates and recovers explosive devices.

**OTTAWA Chemical, Biological, Radiological, Nuclear and Explosive
Task Force Response Plan
Final Version 1.0**

Hazardous Agent Monitoring	Ottawa Fire Services	R	1. Monitor hazardous agent in the Hot Zone
	Ottawa Police Service	R	1. Monitor hazardous agent in the Hot Zone when engaged in an explosive operation (Explosives Unit), armed operation (Tactical Unit) and/or public order operation (ESU). 2. Monitor hazardous agent at the inner cordon and the outer cordon. 3. Receives technical support from the OFS HazMat/CBRNE Team.
	Ottawa Paramedic Services	R	1. Monitor hazardous agent in the Warm Zone, Triage and Treatment Sector. 2. Receives technical support from the OFS HazMat/CBRNE Team.

**OTTAWA Chemical, Biological, Radiological, Nuclear and Explosive
Task Force Response Plan
Final Version 1.0**

OPERATIONAL FUNCTIONS GROUP IV

DECONTAMINATION AND TREATMENT

Function /Tasks	Dept./Serv.	Role	Definition: CBRNE Decontamination and Treatment
Primary Decontamination	Ottawa Fire Services	R	<ol style="list-style-type: none"> 1. Fire Suppression set up and run primary decontamination lines in the Phase 2 after consulting with Paramedics and Public Health if practical. 2. Establish a location within the Warm Zone for all people who have received primary decontamination (uphill and upwind). 3. Send immediately to the scene a HazMat Officer or Technician. 4. Establish Command and Control over the Primary Decontamination Group. 5. Continue to proceed to primary decontamination in the Phase 3 only upon orders of the CTFOB.
	Ottawa Paramedic Services	R	<ol style="list-style-type: none"> 1. Provide medical advice for the decontamination process to Ottawa Fire Services. 2. Assist in establishing a primary CCP.
	Ottawa Area Hospitals	R	<ol style="list-style-type: none"> 1. Set up and run primary decontamination capability at Hospital site. 2. Liaise with the CTFOB through the IC to get information about the decontamination process set up by the Ottawa Fire Services.
	Ottawa Public Health	R	<ol style="list-style-type: none"> 1. Provide advice to Ottawa Fire Services.
	Planning, Transit and Environment	R	<ol style="list-style-type: none"> 1. Transit Operations provide buses, in accordance with the Ottawa Emergency Plan, to temporary shelter victims as required by the Incident Commander.

**OTTAWA Chemical, Biological, Radiological, Nuclear and Explosive
Task Force Response Plan
Final Version 1.0**

	Public Works and Services		1. Wastewater and Drainage Services monitor the sewers for water issued of the decontamination process.
Triage	Ottawa Paramedic Service	R	<ol style="list-style-type: none"> 1. Set up a Triage Sector and designate a Triage Officer. 2. Triage casualties, including within the hot zone and the warm zone if necessary. 3. CBRNE Triage is first contamination triage, then medical triage. 4. Forward casualties to the appropriate decontamination chain
	Ottawa Fire Services	P	<ol style="list-style-type: none"> 1. Forward all victims to the Casualty Collection Point. 2. Responsible for contamination triage. 3. Assist and support Paramedics in medical triage, if required.
	Ottawa Police Service	P	<ol style="list-style-type: none"> 1. Forward all victims to the Casualty Collection Point. 2. Notify Regional Coroner, when necessary
Subject Monitoring And Registration	Ottawa Public Health	R	<ol style="list-style-type: none"> 1. Establish Subject Registration Group within the Controlled Zone. 2. Set up and manage a Victims and Survivors Reception Sector at a convenient location inside the Controlled Zone. 3. Document exposed persons for future notification and necessary interventions pending hazard identification 4. Monitor information about subject identification and details between the Victims and Survivors Reception Sector and the Hospitals. 5. Communicate all relevant information to the Casualty Bureau.
	Emergency Social Services	R	<ol style="list-style-type: none"> 1. Coordinate victims and survivors' reception and care

**OTTAWA Chemical, Biological, Radiological, Nuclear and Explosive
Task Force Response Plan
Final Version 1.0**

	Ottawa Police Service	P	<ol style="list-style-type: none"> 1. FIS and ESU: Identify and register all victims and belongings in the Warm Zone. 2. Criminal Investigation Officers and Patrol Operations to note details and statements of victims at the Victims and Survivors Sector. 3. Take victims details in the Controlled Zone at the end of the decontamination chains, before transportation to the Hospitals.
	Ottawa Fire Services	P	<ol style="list-style-type: none"> 1. HazMat Team support ESU and FIS in the Warm Zone 2. Identify and register victims if police unavailable on-site.
	Ottawa Paramedic Services	P	<ol style="list-style-type: none"> 1. Transmit casualty information gathered at the Triage Sector to Public Health officials.
Secondary Decontamination	CTFOB	R	<ol style="list-style-type: none"> 1. Establish Secondary Decontamination Group and designate a Decontamination Supervisor. 2. Decide decontamination protocol after consulting with HazMat CBRNE Team and other experts if required and available. 3. Assist in the secondary decontamination lines in association with HazMat Team members.
	Ottawa Fire Services	P	<ol style="list-style-type: none"> 1. Set up, as needed, 4 secondary decontamination chains: <ul style="list-style-type: none"> • Red Line for non ambulatory victims, • Yellow Line for ambulatory victims, • Blue Line for responders, • Black Line for deceased. 2. Work with paramedics in the secondary decontamination lines. 3. Control decontamination along and at the end of the decontamination chains.
	Ottawa Paramedic Service	P	<ol style="list-style-type: none"> 1. Maintain patient care in the secondary decontamination lines.
	PTE	S	<ol style="list-style-type: none"> 2. Upon request of the IC, Transit Operations provide Buses in accordance with the Ottawa Emergency Plan.

**OTTAWA Chemical, Biological, Radiological, Nuclear and Explosive
Task Force Response Plan
Final Version 1.0**

Rehabilitation	Ottawa Paramedic Service	R	<ol style="list-style-type: none"> 1. Establish Rehabilitation Group and designate a Rehabilitation Supervisor. 2. Provide rehabilitation services to on-site responders.
	Ottawa Fire Services	P	<ol style="list-style-type: none"> 1. Support the Ottawa Paramedic Service in providing rehabilitation to on-site responders.
Medical Treatment	Ottawa Paramedic Service	R	<ol style="list-style-type: none"> 1. Decides on appropriate treatment. 2. Set up a Treatment Sector to provide on-scene treatment to most critically injured victims, and designate a Treatment Officer. 3. Provide medical monitoring and treatment at the Victims and Survivors Reception Sector.
	Ottawa Public Health	P	<ol style="list-style-type: none"> 1. Assists Paramedics in determining medical treatments and protocols.
	Ottawa Area Hospitals	P	<ol style="list-style-type: none"> 1. Assist Paramedics in determining medical treatments and protocols.
Medical Transportation	Ottawa Paramedic Service	R	<ol style="list-style-type: none"> 1. Provide medical transportation to Hospitals. 2. Establish a Transportation Sector in the Controlled Zone and designate a Transportation Officer.
	Ottawa Police Service	P	<ol style="list-style-type: none"> 1. Facilitate casualty transportation between incident site and hospitals along the Red Corridor. 2. Escort ambulances if required by Ottawa Paramedic Service or the Incident Commander.
	Planning, Transit and Environment	S	<ol style="list-style-type: none"> 1. Transit Operations provide buses for casualty transportation, upon request of the IC or the CTFOB.
	Ottawa Paramedic Service	R	<ol style="list-style-type: none"> 1. Responsible for decontamination of vehicles, equipment and personnel if requested by the EOC or IC

**OTTAWA Chemical, Biological, Radiological, Nuclear and Explosive
Task Force Response Plan
Final Version 1.0**

Vehicle, Equipment and Personnel Decontamination	Ottawa Fire Services	R	1. Responsible for decontamination of vehicles, equipment and personnel if requested by the EOC or IC
	Ottawa Police Service	P	1. Identify and enforce a Dirty Route and a Clean Route to and from the decontamination site
	Public Works & Services	S	2. Fleet Services to provide technical assistance for vehicle decontamination
	Traffic Incident Management Group	S	3. TIMG to provide support for planning and management of dirty and clean routes

**OTTAWA Chemical, Biological, Radiological, Nuclear and Explosive
Task Force Response Plan
Final Version 1.0**

OPERATIONAL FUNCTIONS GROUP V

CONTAMINATED BODY & EQUIPMENT DISPOSAL

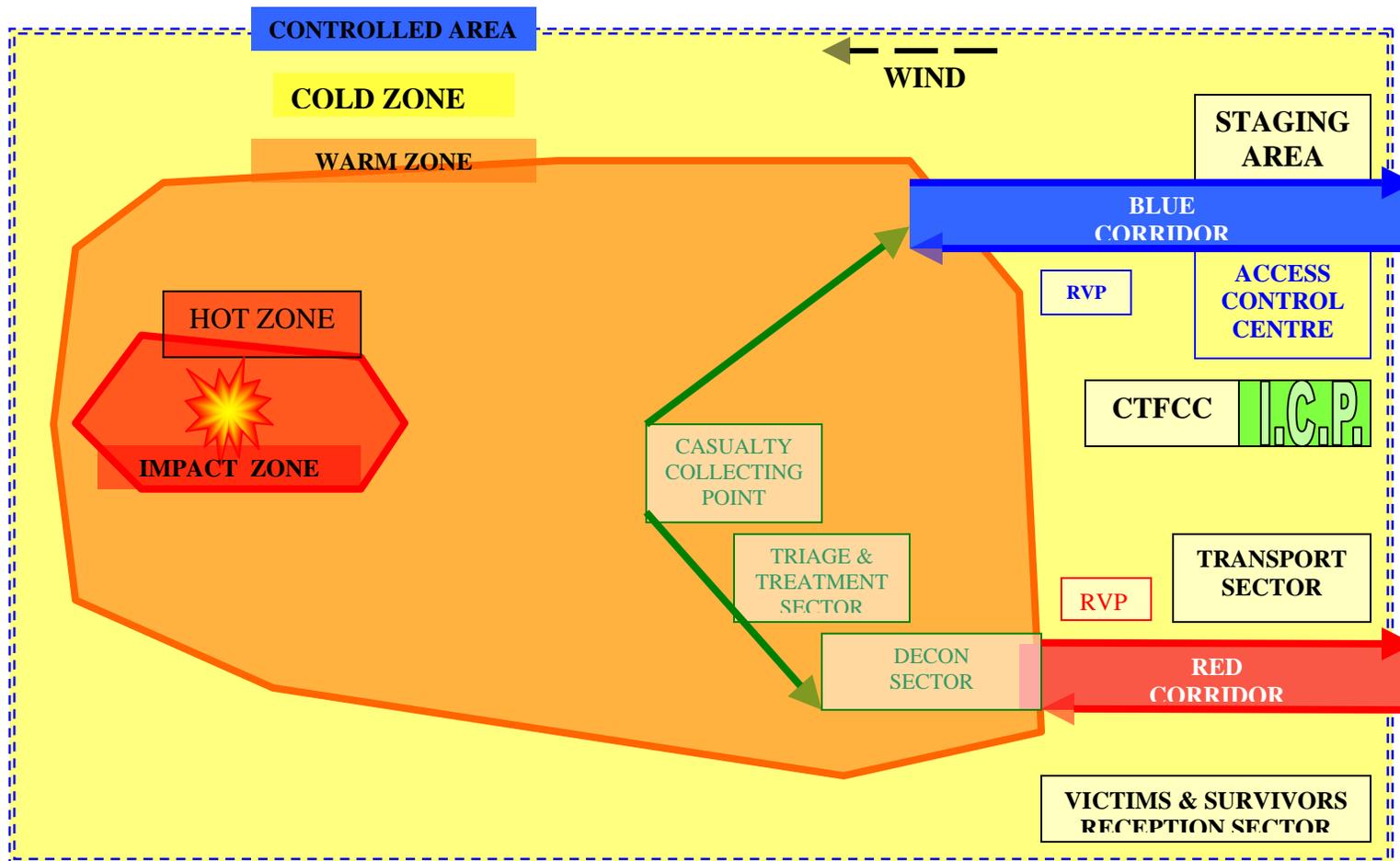
Function /Tasks	Dept./Serv.	Role	Definition: Contaminated Body Disposal
Casualty Bureau	Ottawa Police Service	R	1. Set up a Casualty Bureau to collect and concentrate all information about casualties and fatalities identities.
Reception Centre(s)	Emergency Social Services	R	1. Establish Families Reception Centres at Temporary Morgues, in accordance with Provincial plans for mass fatalities.
Identification / Forensic	Ottawa Police Service	R	1. Forensic Identification Section to retrieve and identify contaminated bodies 2. FIS to assist in post mortem.
	Ottawa Paramedic Service	P	1. Assist the Forensic Identification Section.
	Ottawa Area Hospitals	P	1. Assist Forensic Identification Section.
Morgue	Ontario Coroner	R	1. Establish temporary morgue..
	Ottawa Police Service	R	1. Maintain order. 2. Contact and receive relatives.

**OTTAWA Chemical, Biological, Radiological, Nuclear and Explosive
Task Force Response Plan
Final Version 1.0**

	Ottawa Public Health	P	1. Advise the Ontario Coroner on establishing a temporary morgue.
	BTS	P	1. Assist in establishing a temporary morgue.
Evidence Preservation	Ottawa Police Service	R	<ol style="list-style-type: none"> 1. FIS to preserve contaminated evidence in a safe manner. 2. Issue directive to ESU and/or Tactical Officers for handling and storage of all contaminated clothes and equipment at the entrance of the decontamination chains and in the Warm Zone in general. 3. ESU and/or Tactical Officers collect and store contaminated clothes and equipment, which are seized as evidence.
	Ottawa Fire Services	P	1. HazMat Team and Fire Suppression firefighters hand over to Forensic Identification Officers all belongings, clothes and equipment collected from victims.
	Ottawa Paramedic Service	P	1. Frontline Paramedics, CBRU and PTU members hand over to Forensic Identification Officers all belongings, clothes and equipment collected from victims.
Burial And Cremation	Ottawa Public Health	R	1. Select and open mass burial/cremation sites for contaminated bodies.
	Ontario Coroner	P	1. Assist with selection and open mass burial/cremation sites for contaminated bodies..
	Ottawa Police Service	P	1. Provide security as mass burial/cremation sites
	PWS	P	1. Assist in establishing mass burial/cremation site.

OTTAWA Chemical, Biological, Radiological, Nuclear and Explosive
Task Force Response Plan
Final Version 1.0

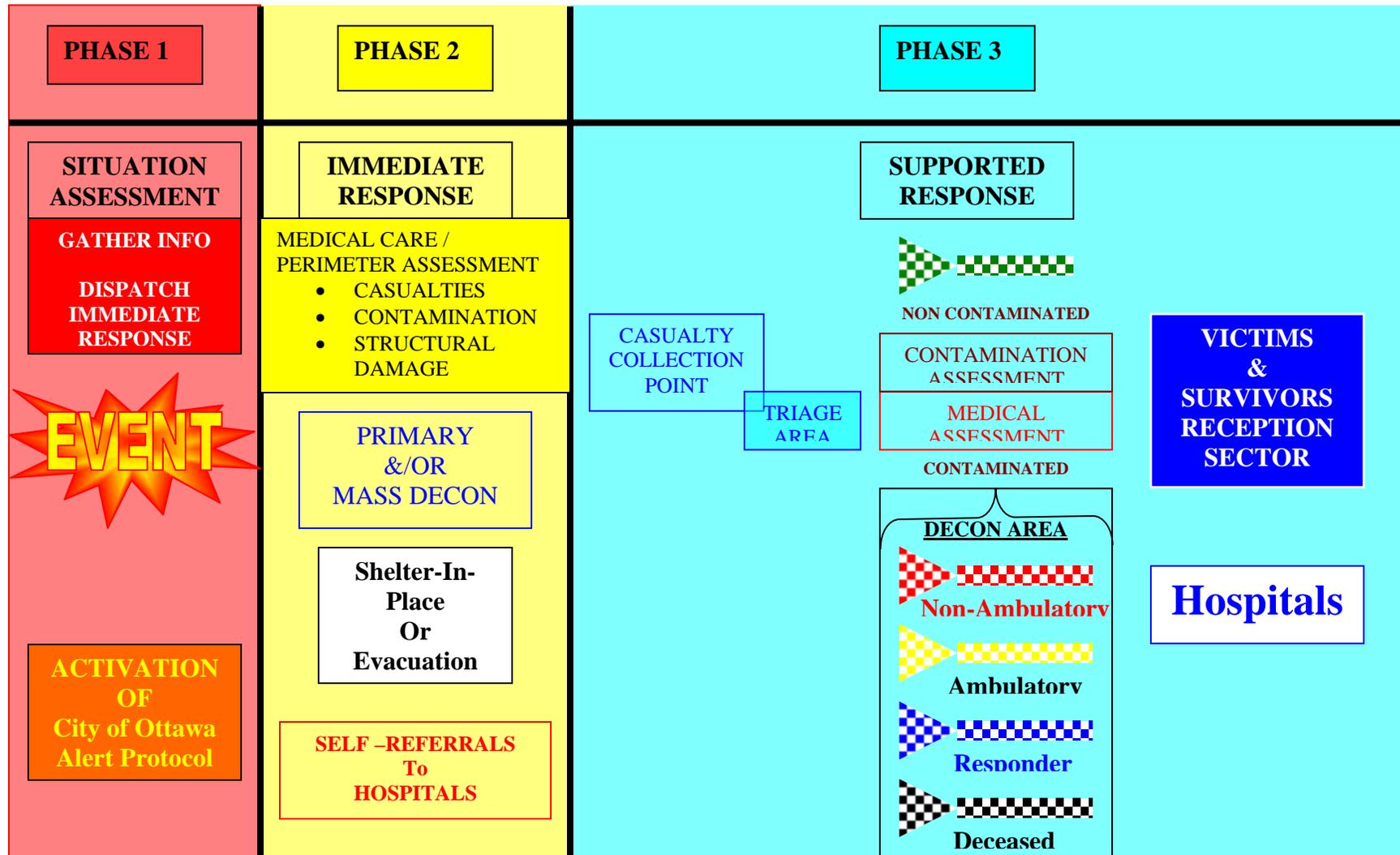
CBRNE SITUATIONAL CONTROL



H

**OTTAWA Chemical, Biological, Radiological, Nuclear and Explosive
Task Force Response Plan
Final Version 1.0**

VICTIMS RESCUE & DECONTAMINATION PROCESS



**OTTAWA Chemical, Biological, Radiological, Nuclear and Explosive
Task Force Response Plan
Final Version 1.0**

ORGANIZATIONAL CHART

