

<b>Title:</b>	CAP-CP Event References
<b>Description:</b>	List of event names and associated event code references for use with the Canadian Profile of the Common Alerting Protocol (CAP-CP).
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<b>Version:</b>	1.0
<b>Replaces:</b>	Beta 0.5
<b>Owner</b>	Senior Officials Responsible for Emergency Management (SOREM)
<b>Official Website</b>	www.CAP-CP.ca
<b>Change Management Process</b>	SOREM - Canadian Emergency Management Communications Specification (CEMCS) – Change Management Process (CMP)
<b>Associated Documents:</b>	1. CAP-CP Rules 2. CAP-CP Location References 3. CAP-CP Location References Annex
<b>Reference Standard</b>	OASIS - Emergency Data Exchange Language - Common Alerting Protocol (EDXL-CAP) version 1.2

## 1. Version Control

Version	Approval Date	Author	Change Description
1.0	TBD	CAP-CP 1.0 Specification Committee established by the SOREM Federal/Provincial/Territorial (FPT) Interoperability Working Group (IWG)	This is the first version managed to the Canadian Emergency Management Communications Specifications (CEMCS) Change Management Process (CMP).  Changes to the CAP-CP Event References over the Beta versions include: <ul style="list-style-type: none"> <li>- Updated wording for sections 3 through 9</li> <li>- Improved wording for sections 10.</li> <li>- The addition of one new Tier 1 Event (Fog), the addition of four new Tier 2 Events (cold, heat, dam breach and dam overflow)</li> <li>- French translation changes (animal feed, wildfire, landslide and plant infectious disease</li> <li>- Two Tier 2 Events (“AMBER alert” changed to “AMBER” and “silver alert” changed to “silver”).</li> <li>- Copyright change.</li> </ul>

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### 3. Purpose of this Document

This document presents the current and complete list of event name and event code references that are recognized for use in CAP alerts as part of the Canadian Profile of the Common Alerting Protocol (CAP-CP). Rules associated with this reference list can be found in the associated *CAP-CP Rules* document.

This document is managed and versioned independently of the *CAP-CP Rules* document and the *CAP-CP Location References* document so that it is not dependent on updates to either documents, and is not subject to update each time the others are updated. This approach limits the scope of CAP-CP updates to each of the rules, locations or event references, and supports more specialized focus of the participants to the change management process.

The event list is all encompassing, evergreen, and may be broader than a specific community of practice may wish to support. With this in mind, Canadian communities of practice may wish to identify and use subsets of the list for very specific purposes or systems. For example, the SOREM public alerting “broadcast immediately” list is a subset of the CAP-CP event references list.

### 4. Copyright

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The CAP-CP 1.0 Specification Committee requires users of the CAP-CP Canadian Profile to make reference in their documentation to the Standard title listed in the title block above, the version of the Standard, and reference the official web site where the Standard resides [www.cap-cp.ca](http://www.cap-cp.ca).

For more information, please visit:

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## 5. Notices

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Official versions are available at [www.CAP-CP.ca](http://www.CAP-CP.ca).

## 6. Terms

- **“CEMCS”** refers to Canadian Emergency Management Communications Specifications governed by SOREM.
- **“CEMCS CMP”** refers to the Change Management Process established for managing Canadian Emergency Management Communications Specifications.
- **“SC”** refers to Common Alerting Protocol – Canadian Profile (CAP-CP) 1.0 Specification Committee as established under the CEMCS CMP and the CAP-CP 1.0 SC Terms of Reference.
- **“SOREM”** refers to Senior Officials Responsible for Emergency Management. It reports to the Federal/Provincial/ Territorial Deputy Ministers Responsible for Emergency Management.

## 7. Terminology

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in IETF RFC 2119, available at <http://www.ietf.org/rfc/rfc2119.txt>

## **8. CAP-CP 1.0 Specification Committee**

The Specification Committee membership may include both voting and non-voting members. A Chair and Vice-Chair shall be selected from the committee's voting membership with a Secretary selected from either group.

### **Voting Representation**

Organizations with voting oversight of this document included the following:

- Alberta Emergency Management Agency
- Canadian Public Safety Operations Organization (formerly known as the Canadian Association for Public Alerting and Notification)
- Centre for Security Science
- Environment Canada
- Industry Canada
- Natural Resources Canada
- Pelemorex Communications Inc.
- Public Safety Canada
- Sécurité Publique Québec
- NetAlerts Inc.

### **Non-Voting Representation**

Organizations overseeing the process used to manage this document included the following:

- Canadian Radio-television and Telecommunications Commission
- Federal, Provincial, Territorial – Interoperability Working Group (FPT IWG), on behalf of the federal, provincial, territorial Senior Officials Responsible for Emergency Management (SOREM)
- Public Safety Canada – Interoperability Development Office
- Canadian General Standards Board (CGSB) in a consultative role

### **Acknowledgement**

The Specifications Committee gratefully acknowledges the contributions of the following people in the preparation of this CAP-CP document.

- Norm Paulsen (Committee Chair)
- Doug Allport
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## 9. Other CAP-CP Documents

The entire CAP-CP is defined by three documents, all of which can be found at [www.CAP-CP.ca](http://www.CAP-CP.ca). The other two documents are titled as follows:

1. *CAP-CP Rules*. This document details the specific requirements, constraints, and recommendations associated with the Canadian Profile of the CAP. It is versioned independently of this document.
2. *CAP-CP Location References*. This document identifies Canadian location references for use with CAP-CP. It is versioned independently of this document.

Additionally, the following Annex is supported:

1. *CAP-CP Location References Geocode Annex*. This document lists the Canadian location references for use with CAP-CP. It is an appendix to the *CAP-CP Location References* document and also contains additional supporting material.

## 10. CAP Event References Overview

Event References in a CAP message are optional and are left to the issuing authority to manage. In CAP-CP the event reference list is managed by the CAP-CP Working Group as a means to formalize a list of event codes for all CAP-CP practitioners within Canada in order to standardize on the list for consistency across partners.

### 10.1 Event Reference <valueName>

CAP-CP has adopted a URN-like scheme for creating valueNames. Event reference valueNames use the following format:

profile:CAP-CP:Event:{version number}

The following <valueName> is defined for this version of the Event References document:

## **10.2 Event List**

CAP-CP events are identified as belonging to one of two tiers of event types: Tier I or Tier II.

Tier I events typically refer to a class of events; Tier II events refer to specific events. As an example, “heat wave” and “cold wave” are Tier II events, within the Tier I class of events titled “temperature”. Similarly, Tier II “dangerous person” and “home crime” are within the Tier I class of “criminal activity”.

We note that Tier I and Tier II events may be associated with one or more CAP categories. As an example, “air quality” may be associated with CAP categories “Met”, “Env”, “Geo”, “Health” and “Transport”. The associations found herein are suggested, but not definitive.

Originators are encouraged to use Tier II selections whenever applicable. Tier I references are better suited to events which do not have a specific Tier II selection.

The event list is presented in six columns. The first two columns present the Tier I class of events in English and French. The next two present the Tier II specific events in English and French. The fifth column provides the event code. The sixth column identifies the CAP categories to which the event may be associated. eventCode and category values, listed and shaded in the table below, are computer based codes that are used as given, irrespective of language.

## Appendix A:

TIER I EVENTS (includes associated Tier II events)		TIER II EVENTS (Included in Tier I event associated with it)		EVENT CODE	APPLICABLE CAP CATEGORY VALUE(S)
ENGLISH	FRENCH	ENGLISH	FRENCH		
administration	administration			admin	Other
air quality	qualité de l'air			airQuality	Env, Health, Geo, Met, Transport
animal health	santé animale			animalHealth	Health
"	"	animal disease	maladie animale	animalDiseas	Health
"	"	animal feed	nourriture pour animaux	animalFeed	Health
aviation	aviation			aviation	Transport
"	"	notice to airmen	avis aux aviateurs	notam	Transport
"	"	airspace closure	fermeture de l'espace aérien	airspaceClos	Transport
"	"	airport closure	fermeture d'aéroport	airportClose	Transport
"	"	aircraft crash	écrasement d'avion	aircraftCras	Transport
civil	civil			civil	Security
"	"	civil emergency	crise civile	civilEmerg	Security
"	"	public event	événement public	civilEvent	Security
"	"	volunteer request	demande de bénévolat	volunteer	Other
criminal activity	activité criminelle			crime	Security
"	"	dangerous person	personne dangereuse	dangerPerson	Security
"	"	home crime	crime à domicile	homeCrime	Security
"	"	industrial crime	crime industriel	industCrime	Security
"	"	retail crime	crime dans des points de vente au détail	retailCrime	Security
"	"	terrorism	terrorisme	terrorism	Security
"	"	vehicle crime	crime touchant un véhicule	vehicleCrime	Security
dangerous animal	animal dangereux			animalDang	Security
fire	incendie			fire	Fire
"	"	wildfire	feu de brousse	wildFire	Fire
"	"	industrial fire	feu industriel	industryFire	Fire
"	"	urban fire	feu urbain	urbanFire	Fire
"	"	forest fire	feu de forêt	forestFire	Fire
flood	inondation			flood	Met
"	"	storm surge	onde de tempête	stormSurge	Met
	"	high water level	niveau élevé des eaux	highWater	Met



TIER I EVENTS (includes associated Tier II events)		TIER II EVENTS (Included in Tier I event associated with it)		EVENT CODE	APPLICABLE CAP CATEGORY VALUE(S)
ENGLISH	FRENCH	ENGLISH	FRENCH		
"	"	overland flow flood	inondation par ruissellement	overflow	Met
"	"	flash flood	crue éclair	flashFlood	Geo, Safety
"	"	dam overflow	débordement de barrage	damOverflow	Infra, Safety
"	"	dam breach	rupture de barrage	damBreach	Infra, Safety
fog	brouillard			fog	Met, Transport
geophysical	géophysique			geophysical	Geo
"	"	avalanche	avalanche	avalanche	Geo
"	"	earthquake	tremblement de terre	earthquake	Geo
"	"	landslide	mouvement de sol	landslide	Geo
"	"	magnetic storm	orage magnétique	magnetStorm	Geo
"	"	tsunami	tsunami	tsunami	Geo
"	"	meteorite	météorite	meteor	Geo
"	"	lahar	lahar	lahar	Geo
"	"	lava flow	coulée de lave	lavaFlow	Geo
"	"	pyroclastic flow	coulée pyroclastique	pyroclasFlow	Geo
"	"	pyroclastic surge	nuée ardente	pyroclaSurge	Geo
"	"	volcano	volcan	volcano	Geo
"	"	volcanic ash cloud	nuage de cendres volcaniques	volcanicAsh	Geo, Transport
hazardous materials	matières dangereuses			hazmat	CBRNE
"	"	chemical hazard	risque chimique	chemical	CBRNE
"	"	biological hazard	risque biologique	biological	CBRNE
"	"	radiological hazard	risque radiologique	radiological	CBRNE
"	"	explosive hazard	risque d'explosion	explosive	CBRNE
"	"	falling object	chute d'objets	fallObject	Safety
health	santé			health	Health
"	"	ambulance	ambulance	ambulance	Health
"	"	blood supply	réserve de sang	bloodSupply	Health
"	"	drinking water	eau potable	drinkingWate	Health
"	"	food and drug supply	approvisionnement en aliments et médicaments	foodSupply	Health
"	"	hospital	hôpital	hospital	Health
"	"	infectious disease	maladie infectieuse	infectious	Health
ice	glaces			ice	Met
"	"	ice pressure	pression des glaces	icePressure	Met

TIER I EVENTS (includes associated Tier II events)		TIER II EVENTS (Included in Tier I event associated with it)		EVENT CODE	APPLICABLE CAP CATEGORY VALUE(S)
ENGLISH	FRENCH	ENGLISH	FRENCH		
"	"	rapid closing of coastal leads	fermeture rapide de chenaux côtiers	rpdcloseLead	Met
"	"	special ice	conditions particulières des glaces	spclIce	Met
marine	maritime			marine	Met, Transport
"	"	freezing spray	embruns verglaçants	freezngSpray	Met
"	"	gale wind	coup de vent	galeWind	Met
"	"	hurricane force wind	vent de la force d'un ouragan	hurricFrcWnd	Met
"	"	Iceberg	iceberg	iceberg	Met, Transport
"	"	marine security	sécurité maritime	marineSecure	Transport
"	"	nautical incident	incident nautique	nautical	Transport
"	"	special marine	incident maritime particulier	spclMarine	Met
"	"	squall	grain	squall	Met
"	"	storm force wind	vent de tempête	stormFrcWnd	Met
"	"	strong wind	vent fort	strongWind	Met
"	"	waterspout	trombe marine	waterspout	Met
missing person	personne disparue			missingPer	Rescue
"	"	AMBER	AMBER	amber	Rescue
"	"	missing vulnerable person	personne vulnérable disparue	missingVPer	Rescue
"	"	silver	silver	silver	Rescue
other	autre			other	Other
plant health	santé végétale			plant	Other
"	"	plant infectious disease	maladie végétale infectieuse	plantInfect	Other
preparedness reminders	rappels de préparation			reminder	Safety
product safety	sécurité des produits			product	Safety
public services	services publics			publicServic	Infra
"	"	emergency support facilities	installations de soutien en situation d'urgence	emergFacil	Infra, Safety
"	"	emergency support services	services de soutien d'urgence	emergSupport	Infra, Safety
"	"	school bus	autobus scolaire	schoolBus	Infra
"	"	school closure	fermeture d'école	schoolClose	Infra
"	"	school lockdown	confinement d'école	schoolLock	Infra

TIER I EVENTS (includes associated Tier II events)		TIER II EVENTS (Included in Tier I event associated with it)		EVENT CODE	APPLICABLE CAP CATEGORY VALUE(S)
ENGLISH	FRENCH	ENGLISH	FRENCH		
"	"	service or facility	service ou installation	facility	Infra
"	"	transit	transport public	transit	Infra
railway	ferroviaire			railway	Transport
"	"	train accident	accident ferroviaire	train	Transport
rescue	sauvetage			rescue	Rescue
roadway	routier			road	Transport
"	"	bridge closure	fermeture de pont	bridgeClose	Transport
"	"	roadway closure	fermeture de route	roadClose	Transport
"	"	roadway delay	retard de circulation (routier)	roadDelay	Transport
"	"	hazardous road conditions	conditions routières dangereuses	rdCondition	Transport
"	"	traffic report	rapport de circulation	traffic	Transport
"	"	roadway usage condition	état des routes	roadUsage	Transport
"	"	motor vehicle accident	accident de voiture	accident	Transport
storm	tempête			storm	Met
"	"	blizzard	blizzard	blizzard	Met
"	"	blowing snow	poudrerie	blowingSnow	Met
"	"	dust storm	tempête de poussière	dustStorm	Met
"	"	freezing drizzle	bruine verglaçante	freezeDrzl	Met
"	"	freezing rain	pluie verglaçante	freezeRain	Met
"	"	hurricane	ouragan	hurricane	Met
"	"	rainfall	pluie	rainfall	Met
"	"	thunderstorm	orage	thunderstorm	Met
"	"	snowfall	chute de neige	snowfall	Met
"	"	snow squall	bourrasque de neige	snowSquall	Met
"	"	tornado	tornade	tornado	Met
"	"	tropical storm	tempête tropicale	tropStorm	Met
"	"	winter storm	tempête hivernale	winterStorm	Met
"	"	weather	météo	weather	Met
temperature	température			temperature	Met
"	"	arctic outflow	poussée d'air arctique	arcticOut	Met
"	"	cold wave	vague de froid	coldWave	Met
"	"	cold	froid	cold	Met, Health
"	"	flash freeze	gel soudain	flashFreeze	Met
"	"	frost	gel	frost	Met

TIER I EVENTS (includes associated Tier II events)		TIER II EVENTS (Included in Tier I event associated with it)		EVENT CODE	APPLICABLE CAP CATEGORY VALUE(S)
ENGLISH	FRENCH	ENGLISH	FRENCH		
"	"	heat wave	vague de chaleur	heatWave	Met, Health
"	"	heat	chaleur	heat	Met, Health
"	"	high heat and humidity	chaleur et humidité accablantes	heatHumidity	Met, Health
"	"	wind chill	refroidissement éolien	windchill	Met
test message	message test			testMessage	Other
utility	utilité publique			utility	Infra
"	"	cable service	service de câblodiffusion	cable	Infra
"	"	diesel supply	approvisionnement en diesel	diesel	Infra
"	"	electricity supply	distribution d'électricité	electric	Infra
"	"	gasoline supply	approvisionnement en essence	gasoline	Infra
"	"	heating oil supply	approvisionnement en mazout	heatingOil	Infra
"	"	internet service	service internet	internet	Infra
"	"	natural gas supply	approvisionnement en gaz naturel	naturalGas	Infra
"	"	satellite service	service par satellite	satellite	Infra
"	"	sewer system	réseau d'égouts	sewer	Infra
"	"	telephone service	service téléphonique	telephone	Infra
"	"	911 service	service 911	911Service	Infra
"	"	waste management	gestion des déchets	waste	Infra
"	"	water supply	alimentation en eau	water	Infra
wind	vent			wind	Met