Canadian Profile of the Common Alerting Protocol Event References

Title:	CAP-CP Event References
Description:	Identifies the events, and event codes, to be used as part of the Canadian Profile of the Common Alerting Protocol
Date:	October 24 2010
Version:	Beta 0.4
Replaces:	Beta 0.3 Revision A
CAP-CP Documents:	1. CAP-CP Introduction and Rule Set 2. CAP-CP Event References 3. CAP-CP Location References

Purpose of this Document

This document identifies the specific alert event references to be used, in order to satisfy the requirements of the *Common Alerting Protocol - Canadian Profile* (CAP-CP).

This document is versioned independently of CAP-CP rules included in the CAP-CP Introduction and Rule Set document, since it applies directly to the business of public alerting rather than the specifics of XML formatting. The event list is expected to be updated more frequently than the rule set which addresses the CAP-CP position on CAP formatting and structure.

Table of Contents

I. Authors

The principal authors of this document version are listed below in alphabetic order:
- Doug Allport, Canadian Association for Public Alerting and Notification / Allport Group Inc.
- Rémy Bernard, Public Safety Canada
- April Diver, Alberta Emergency Management Agency
- Khalil Hayek, Natural Resources Canada
- Norm Paulsen, Environment Canada
- Michel Savoie, Public Safety Canada
- Jacob Westfall, Net Alerts
- Wendy Wu, Industry Canada

II. Copyright

III. Notices

This document and the information contained herein is provided on an "AS IS" basis and the Authors, and their officers, employees or agents DISCLAIM ALL WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTY OR REPRESENTATION THAT THE USE OF THE INFORMATION HEREIN WILL NOT INFRINGE RIGHTS OF OTHERS, OR ANY IMPLIED WARRANTIES OR REPRESENTATIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

IV. Revision Summary

Version 0.4:
- Event names in the table are now presented without capitalization, as they may be used with or without capitals, as proper sentence structure requires.
- Translation of table titles was corrected.
- Wording in the category column was revised to be consistent with the CAP standard's support of multiple category values.
- Event codes for "Missing Vulnerable Person" and "Emergency Facility" were corrected for length.
- Event codes for pyroclastic flow and pyroclastic surge were corrected for clarity.
- New event names and codes for "volcano" and "lava flow" were added.

Where revisions are as minimal as those found in this document, the version number is not changed.

V. Other CAP-CP Documents

The entire CAP-CP is defined in this document, and the following two additional documents:

1. CAP-CP Introduction and Rule Set. 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 details the current versions of the Standard Geographic Classification (SGC) location references supported by CAP-CP. It is versioned independently of this document.

To ensure access to CAP-CP by public alerting stakeholders as soon as possible, all three CAP-CP documents are available at the following web sites:

- Canadian Association for Public Alerting and Notification (CAPAN) - www.CAPAN.ca/CAP-CP
- Environment Canada - TBD
- Industry Canada - http://www.ic.gc.ca/eic/site/et-tdu.nsf/eng/wj00268.html
- Natural Ressources Canada - TBD
- Public Safety Canada – TBD
- Alberta Emergency Management Agency - http://www.aema.alberta.ca/ps_emergency_public_warning_system.cfm

CAP-CP may also be available on other websites. Where there is a difference in versions, the version at www.CAPAN.ca/CAP-CP shall take precedence. New versions shall be created only with the express consent of the authors listed in this document.

VI. Associated Documents and Resources

1. www.CAPAN.ca/CAP-CP. The CAP-CP website identifies numerous CAP-CP related resources.

VII. 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

Additional terminology is specified in the CAP-CP Introduction and Rule Set document.

VIII. Development of CAP-CP as a National Standard of Canada

The authors of CAP-CP are giving consideration to submitting the Profile to a Canadian standards development organization (SDO) for development as a National Standard of Canada. This, they anticipate, will ensure a recognized process in the decision-making regarding elements of the standard on an initial and ongoing basis, and will also ensure clarity and access to the standard for all public alerting stakeholders. With the formal initiation of the standard development process, the SDO would become the custodian and manager of CAP-CP.

IX. 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>

As mentioned previously, the versioning of this CAP-CP Event References document is independent of the other CAP-CP documents, to allow them to be revised independently.

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

profile:CAP-CP:Event:0.4

X.   Event List

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

Tier I events refer to a class of events whereas Tier II events are quite specific. 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 Tier II selection, where the more general class term will at least provide a reasonable understanding of the event type.

The event list is presented in seven 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 internationally defined categories to which the event may be associated. Event and category code values, listed and shaded in the table below, are computer based codes that are used as given, irrespective of language. The seventh column indicates a recognized agency or working group which has reviewed and commented on the terms being used.

Column seven indicates whether the event naming has been verified by an issuing authority where such authority, or group of stakeholders, has responsibility in this area.

The numbers in this column indicate the authority(s) which approved these event names, as listed in the Table of Recognized Contributors/Reviewers below.

TIER I EVENTS		TIER II EVENTS		EVENT CODE	APPLICABLE CAP CATEGORY VALUE(S)	CONTRIBUTOR OR REVIEWER
(includes associated Tier II events)		(Included in Tier I event associated with it)				
ENGLISH	**FRENCH**	**ENGLISH**	**FRENCH**			
administration	administration			admin	Other	
air quality	qualité de l'air			airQuality	Env, Health, Geo, Met, Transport	1
animal health	santé animale			animalHealth	Health	
"	"	animal disease	maladie animale	animalDiseas	Health	
"	"	animal feed	aliments 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	4
"	"	dangerous person	personne dangereuse	dangerPerson	Security	4
"	"	home crime	crime à domicile	homeCrime	Security	4
"	"	industrial crime	crime industriel	industCrime	Security	4
"	"	retail crime	crime dans des points de vente au détail	retailCrime	Security	4
"	"	terrorism	terrorisme	terrorism	Security	4
"	"	vehicle crime	crime touchant un véhicule	vehicleCrime	Security	4

TIER I EVENTS		TIER II EVENTS		EVENT CODE	APPLICABLE CAP CATEGORY VALUE(S)	CONTRIBUTOR OR REVIEWER
(includes associated Tier II events)		(Included in Tier I event associated with it)				
ENGLISH	FRENCH	ENGLISH	FRENCH			
dangerous animal	animal dangereux			animalDang	Security	
fire	incendie			fire	Fire	
"	"	wildfire	feu échappé	wildFire	Fire	
"	"	industrial fire	feu industriel	industryFire	Fire	
"	"	urban fire	feu urbain	urbanFire	Fire	
"	"	forest fire	feux de forêt	forestFire	Fire	
flood	inondation			flood	Met	1
"	"	storm surge	onde de tempête	stormSurge	Met	1
	"	high water level	niveau élevé des eaux	highWater	Met	1
"	"	overland flow flood	inondation par ruissellement	overflood	Met	
"	"	flash flood	crue éclair	flashFlood	Geo, Safety	
"	"	dam overflow	débordement de barrage	damOverflow	Infra, Safety	
geophysical	géophysique			geophyiscal	Geo	1,2
"	"	avalanche	avalanche	avalanche	Geo	
"	"	earthquake	tremblement de terre	earthquake	Geo	2
"	"	landslide	glissement de terrain	landslide	Geo	
"	"	magnetic storm	orage magnétique	magnetStorm	Geo	2
"	"	tsunami	tsunami	tsunami	Geo	1,2
"	"	meteorite	météorite	meteor	Geo	
"	"	lahar	lahar	lahar	Geo	2
"	"	lava flow	coulée de lave	lavaFlow	Geo	2
"	"	pyroclastic flow	coulée pyroclastique	pyroclasFlow	Geo	2
"	"	pyroclastic surge	nuée ardente	pyroclaSurge	Geo	2
"	"	volcano	volcan	volcano	Geo	2
"	"	volcanic ash cloud	nuage de cendres volcaniques	volcanicAsh	Geo, Transport	1,2

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)	CONTRIBUTOR OR REVIEWER
ENGLISH	**FRENCH**	**ENGLISH**	**FRENCH**			
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 & drug supply	approvisionnement en aliments et médicaments	foodSupply	Health	
"	"	hospital	hôpital	hospital	Health	
"	"	infectious disease	maladie infectieuse	infectious	Health	
ice	glaces			ice	Met	1
"	"	ice pressure	pression des glaces	icePressure	Met	1
"	"	rapid closing of coastal leads	fermeture rapide de chenaux côtiers	rpdCloseLead	Met	1
"	"	special ice	conditions particulières des glaces	spclIce	Met	1
marine	maritime			marine	Met, Transport	1
"	"	freezing spray	embruns verglacants	freezngSpray	Met	1
"	"	gale wind	coup de vent	galeWind	Met	1

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)	CONTRIBUTOR OR REVIEWER
ENGLISH	FRENCH	ENGLISH	FRENCH			
"	"	hurricane force wind	vent de la force d'un ouragan	hurricFrcWnd	Met	1
"	"	iceberg	iceberg	iceberg	Met, Transport	
"	"	marine security	sécurité maritime	marineSecure	Transport	
"	"	nautical incident	incident nautique	nautical	Transport	5
"	"	special marine	incident maritime particulier	spclMarine	Met	1
"	"	squall	grain	squall	Met	1
"	"	storm force wind	vent de tempête	stormFrcWnd	Met	1
"	"	strong wind	vent fort	strongWind	Met	1
"	"	waterspout	trombe marine	waterspout	Met	1
missing person	personne disparue			missingPer	Missing	4
"	"	AMBER alert	alerte AMBER	amber	Missing	4
"	"	missing vulnerable person	personne vulnérable disparue	missingVPer	Missing	4
"	"	silver alert	alerte silver	silver	Missing	5
other	autre			other	Other	
plant health	santé végétale			plant		5
"	"	plant infectious disease	maladie infectieuse végétale	plantInfect		5
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	3

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)	CONTRIBUTOR OR REVIEWER
ENGLISH	FRENCH	ENGLISH	FRENCH			
"	"	emergency support services	services de soutien d'urgence	emergSupport	Infra, Safety	3
"	"	school bus	autobus scolaire	schoolBus	Infra	
"	"	school closure	fermeture d'école	schoolClose	Infra	
"	"	school lockdown	confinement d'école	schoolLock	Infra	
"	"	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	5
"	"	roadway closure	fermeture de route	roadClose	Transport	4
"	"	roadway delay	retard de circulation (routier)	roadDelay	Transport	4
"	"	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	1
"	"	blizzard	blizzard	blizzard	Met	1
"	"	blowing snow	poudrerie	blowingSnow	Met	1

TIER I EVENTS		TIER II EVENTS		EVENT CODE	APPLICABLE CAP CATEGORY VALUE(S)	CONTRIBUTOR OR REVIEWER
(includes associated Tier II events)		(Included in Tier I event associated with it)				
ENGLISH	FRENCH	ENGLISH	FRENCH			
"	"	dust storm	tempête de poussière	dustStorm	Met	1
"	"	freezing drizzle	bruine verglaçante	freezeDrzl	Met	1
"	"	freezing rain	pluie verglaçante	freezeRain	Met	1
"	"	hurricane	ouragan	hurricane	Met	1
"	"	rainfall	pluie	rainfall	Met	1
"	"	thunderstorm	orage	thunderstorm	Met	1
"	"	snowfall	chute de neige	snowfall	Met	1
"	"	snow squall	bourrasque de neige	snowSquall	Met	1
"	"	tornado	tornade	tornado	Met	1
"	"	tropical storm	tempête tropicale	tropStorm	Met	1
"	"	winter storm	tempête hivernale	winterStorm	Met	1
"	"	weather	météo	weather	Met	1
temperature	température			temperature	Met	1
"	"	arctic outflow	poussée d'air arctique	arcticOut	Met	1
"	"	cold wave	vague de froid	coldWave	Met	1
"	"	flash freeze	gel soudain	flashFreeze	Met	1
"	"	frost	gel	frost	Met	1
"	"	heat wave	vague de chaleur	heatWave	Met	1
"	"	high heat and humidity	chaleur et humidité accablantes	heatHumidity	Met	1
"	"	wind chill	refroidissement éolien	windchill	Met	1
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	

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)	CONTRIBUTOR OR REVIEWER
ENGLISH	FRENCH	ENGLISH	FRENCH			
"	"	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	1

XII.   Table of Recognized Contributors / Reviewers:

Reference	Term Contributor: Agency or Group
1	Environment Canada
2	Natural Resources Canada
3	New Brunswick Multi-Agency Situational Awareness System Project Team
4	RCMP New Brunswick
5	Alberta Emergency Management Agency