

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: | January 25 2010 |
| Version: | Beta 0.3 Revision A |
| Replaces: | Beta 0.3 May 6 2009 |
| CAP-CP Documents: | <ol style="list-style-type: none">1. CAP-CP Introduction and Rule Set2. CAP-CP Event References3. 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
- II. Copyright
- III. Notices
- IV. Revision Summary
- V. Other CAP-CP Documents
- VI. Associated Documents and Resources
- VII. Terminology
- VIII. Development of CAP-CP as a National Standard of Canada
- IX. Event Reference <valueName>
- X. Event List

I. Authors

The principal authors of this document are listed below in alphabetic order:

- Doug Allport, Canadian Association for Public Alerting and Notification / Allport Group Inc.
- Paul Buck, Public Safety Canada
- April Diver, Alberta Emergency Management Agency
- Khalil Hayek, Natural Resources Canada
- Kathleen McCrea, Public Safety Canada
- Norm Paulsen, Environment Canada
- Valerie Plaskacz, Industry Canada
- Jacob Westfall, Net Alerts
- Wendy Wu, Industry Canada

II. Copyright

Copyright 2010. This document may be reproduced, without charge or request for permission, provided it is reproduced in its entirety and without modification.

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

Revision A: Errors in the event list were corrected.

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.

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 Resources 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. Where a change is as minimal as the revisions in this document, the version number will not change.

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

profile:CAP-CP:Event:0.3

X. Event List

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

Tier II events are quite specific, while Tier I events refer to a class of 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”, “Health” and “Transport”.

Originators are encouraged to use Tier II events whenever applicable. Tier I events are better suited to events which do not have a Tier II event, 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 for use in all languages. The sixth column identifies the internationally defined categories to which the event may be associated. The seventh column indicates a recognized agency or working group which has reviewed and commented on the terms being used.

The values found in the first four columns can be expected to be found in the presentation of the alert to the public, while columns five and six are for system use purposes only.

Column seven indicates whether the 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 names, as listed in the Table of Recognized Contributors/Reviewers below.

| TIER I EVENTS / ÉVÉNEMENT DE NIVEAU I (includes associated Tier II events / inclus les événements Niveau II associés) | | TIER II EVENTS / ÉVÉNEMENTS DE NIVEAU II (Included in Tier I event associated with it / inclus l'événement de Niveau I associé) | | EVENT CODE / CODE DES L'ÉVÉNEMENT | APPLICABLE CAP CATEGORY VALUE / VALEUR DE LA CATÉGORIE PAC APPLICABLE | CONTRIBUTOR / REVIEWER |
|--|---------------------|---|---------------------------------|--|---|------------------------------|
| ENGLISH | FRENCH | ENGLISH | FRENCH | | | |
| Administration | Administration | | | admin | Other | |
| Air Quality | Qualité de l'air | | | airQuality | Env, Health, Geo, Met, or Transport | 1 |
| Animal Health | Santé animale | | | animalHealth | Health | |
| " | " | Animal Disease | Maladie animale | animalDiseas | Health | |
| " | " | Animal Feed | Nourriture animale | animalFeed | Health | |
| Aviation | Aviation | | | aviation | Transport | |
| " | " | Notice to Airmen | Avis aux navigateurs | notam | Transport | |
| " | " | Airspace Closure | Fermeture de l'espace aérien | airspaceClos | Transport | |
| " | " | Airport Closure | Fermeture d'aéroport | airportClose | Transport | |
| " | " | Aircraft Crash | Ecrasement d'avion | aircraftCras | Transport | |
| Civil | Civil | | | civil | Security | |
| " | " | Civil Emergency | Crise civile | civilEmerg | Security | |
| " | " | Public Event | Événement public | civilEvent | Security | |
| " | " | Volunteer Request | Besoin de bénévoles | volunteer | Other | |
| Criminal Activity | Activité criminelle | | | crime | Security | 4 |
| " | " | Dangerous Person | Personne dangereuse | dangerPerson | Security | 4 |
| " | " | Home Crime | Crime contre la propriété | homeCrime | Security | 4 |
| " | " | Industrial Crime | Crime industriel | industCrime | Security | 4 |
| " | " | Retail Crime | Crime dans les commerces | retailCrime | Security | 4 |

| TIER I EVENTS / ÉVÉNEMENT DE NIVEAU I (includes associated Tier II events / inclus les événements Niveau II associés) | | TIER II EVENTS / ÉVÉNEMENTS DE NIVEAU II (Included in Tier I event associated with it / inclus l'événement de Niveau I associé) | | EVENT CODE / CODE DES L'ÉVÉNEMENT | APPLICABLE CAP CATEGORY VALUE / VALEUR DE LA CATÉGORIE PAC APPLICABLE | CONTRIBUTOR / REVIEWER |
|--|------------------|---|---|--|---|------------------------------|
| ENGLISH | FRENCH | ENGLISH | FRENCH | | | |
| " | " | Terrorism | Terrorisme | terrorism | Security | 4 |
| " | " | Vehicle Crime | Crime de véhicule | vehicleCrime | Security | 4 |
| 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 | Feux de forêts | 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 de surface | overflow | Met | |
| " | " | Flash Flood | Inondation soudaine | flashFlood | Geo or Safety | |
| " | " | Dam Overflow | Débordement de barrage | damOverflow | Infra or Safety | |
| Geophysical | Géophysique | | | geophysiscal | Geo | |
| " | " | Avalanche | Avalanche | avalanche | Geo | |
| " | " | Earthquake | Tremblement de terre | earthquake | Geo | 2 |
| " | " | Landslide | Glissement de terrain | landslide | Geo | |
| " | " | Magnetic Storm | Orage magnétique | magnetStorm | Geo | |
| " | " | Tsunami | Tsunami | tsunami | Geo | 1 |
| " | " | Meteorite | Météorite | meteor | Geo | |

| TIER I EVENTS / ÉVÉNEMENT DE NIVEAU I (includes associated Tier II events / inclus les événements Niveau II associés) | | TIER II EVENTS / ÉVÉNEMENTS DE NIVEAU II (Included in Tier I event associated with it / inclus l'événement de Niveau I associé) | | EVENT CODE / CODE DES L'ÉVÉNEMENT | APPLICABLE CAP CATEGORY VALUE / VALEUR DE LA CATÉGORIE PAC APPLICABLE | CONTRIBUTOR / REVIEWER |
|--|-------------------------|---|--|--|---|------------------------------|
| ENGLISH | FRENCH | ENGLISH | FRENCH | | | |
| " | " | Lahar | lahars | lahar | Geo | |
| " | " | Pyroclastic Flow | Coulées pyroclastiques | pyroclasticF | Geo | |
| " | " | Pyroclastic Surge | Nuées ardentes | pyroclasticS | Geo | |
| " | " | Volcanic Ash Cloud | Nuage de cendre | volcanicAsh | Geo | |
| 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 |

| TIER I EVENTS / ÉVÉNEMENT DE NIVEAU I (includes associated Tier II events / inclus les événements Niveau II associés) | | TIER II EVENTS / ÉVÉNEMENTS DE NIVEAU II (Included in Tier I event associated with it / inclus l'événement de Niveau I associé) | | EVENT CODE / CODE DES L'ÉVÉNEMENT | APPLICABLE CAP CATEGORY VALUE / VALEUR DE LA CATÉGORIE PAC APPLICABLE | CONTRIBUTOR / REVIEWER |
|--|--------------------|---|-------------------------------------|--|---|------------------------------|
| ENGLISH | FRENCH | ENGLISH | FRENCH | | | |
| " | " | Rapid Closing of Coastal Leads | Fermeture rapide de chenaux côtiers | rpdCloseLead | Met | 1 |
| " | " | Special Ice | Spécial des glaces | spclIce | Met | 1 |
| Marine | Maritime | | | marine | Met, Transport | 1 |
| " | " | Freezing Spray | Embruns verglacants | freezngSpray | Met | 1 |
| " | " | Gale Wind | Coups de vent | galeWind | Met | 1 |
| " | " | Hurricane Force Wind | Vent de force ouragan | hurricFrcWnd | Met | 1 |
| " | " | Iceberg | Iceberg | iceberg | Met, Transport | |
| " | " | Marine Security | Sécurité maritime | marineSecure | Transport | 1 |
| " | " | Nautical Incident | Incident nautique | nautical | Transport | 5 |
| " | " | Special Marine | Maritime speciale | spclMarine | Met | 1 |
| " | " | Squall | Grains | 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 manquante | | | missingPer | Missing | 4 |
| " | " | AMBER Alert | Alerte AMBER | amber | Missing | 4 |
| " | " | Missing Vulnerable Person | Personne vulnérable disparue | missingVulPer | Missing | 4 |
| " | " | Silver Alert | Alerte Silver | silver | Missing | 5 |
| Other | Autre | | | other | Other | |

| TIER I EVENTS / ÉVÉNEMENT DE NIVEAU I (includes associated Tier II events / inclus les événements Niveau II associés) | | TIER II EVENTS / ÉVÉNEMENTS DE NIVEAU II (Included in Tier I event associated with it / inclus l'événement de Niveau I associé) | | EVENT CODE / CODE DES L'ÉVÉNEMENT | APPLICABLE CAP CATEGORY VALUE / VALEUR DE LA CATÉGORIE PAC APPLICABLE | CONTRIBUTOR / REVIEWER |
|--|--------------------------|---|---|--|---|------------------------------|
| ENGLISH | FRENCH | ENGLISH | FRENCH | | | |
| Plant Health | Santé végétale | | | plant | | 5 |
| " | " | Plant Infectious Disease | Maladie infectieuse végétale | plantInfect | | 5 |
| Preparedness Reminders | Rappel 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 | emergFacility | Infra, Safety | 3 |
| " | " | 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 | Isolement 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 | |

| TIER I EVENTS / ÉVÉNEMENT DE NIVEAU I (includes associated Tier II events / inclus les événements Niveau II associés) | | TIER II EVENTS / ÉVÉNEMENTS DE NIVEAU II (Included in Tier I event associated with it / inclus l'événement de Niveau I associé) | | EVENT CODE / CODE DES L'ÉVÉNEMENT | APPLICABLE CAP CATEGORY VALUE / VALEUR DE LA CATÉGORIE PAC APPLICABLE | CONTRIBUTOR / REVIEWER |
|--|---------|---|--|--|---|------------------------------|
| ENGLISH | FRENCH | ENGLISH | FRENCH | | | |
| " | " | Bridge Closure | Pont fermé | bridgeClose | Transport | 5 |
| " | " | Roadway Closure | Fermeture de route | roadClose | Transport | 4 |
| " | " | Roadway Delay | Retard de circulation (Délai 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 |
| " | " | Dust Storm | Tempête de poussière | dustStorm | Met | 1 |
| " | " | Freezing Drizzle | Bruine verglacante | freezeDrzl | Met | 1 |
| " | " | Freezing Rain | Pluie verglacante | freezeRain | Met | 1 |
| " | " | Hurricane | Ouragan | hurricane | Met | 1 |
| " | " | Rainfall | Pluie | rainfall | Met | 1 |
| " | " | Thunderstorm | Orages | thunderstorm | Met | 1 |
| " | " | Snowfall | Neige | snowfall | Met | 1 |
| " | " | Snow Squall | Bourrasque de neige | snowSquall | Met | 1 |

| TIER I EVENTS / ÉVÉNEMENT DE NIVEAU I (includes associated Tier II events / inclus les événements Niveau II associés) | | TIER II EVENTS / ÉVÉNEMENTS DE NIVEAU II (Included in Tier I event associated with it / inclus l'événement de Niveau I associé) | | EVENT CODE / CODE DES L'ÉVÉNEMENT | APPLICABLE CAP CATEGORY VALUE / VALEUR DE LA CATÉGORIE PAC APPLICABLE | CONTRIBUTOR / REVIEWER |
|--|------------------|---|------------------------------------|--|---|------------------------------|
| ENGLISH | FRENCH | ENGLISH | FRENCH | | | |
| " | " | Tornado | Tornado | 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 | Refroidissement 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 | Refroidisse-ment éolien | windchill | Met | 1 |
| Test Message | Message test | | | testMessage | Other | |
| Utility | Utilité publique | | | utility | Infra | |
| " | " | Cable Service | Service de câble | 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 | |

| TIER I EVENTS / ÉVÉNEMENT DE NIVEAU I (includes associated Tier II events / inclus les événements Niveau II associés) | | TIER II EVENTS / ÉVÉNEMENTS DE NIVEAU II (Included in Tier I event associated with it / inclus l'événement de Niveau I associé) | | EVENT CODE / CODE DES L'ÉVÉNEMENT | APPLICABLE CAP CATEGORY VALUE / VALEUR DE LA CATÉGORIE PAC APPLICABLE | CONTRIBUTOR / REVIEWER |
|--|--------|---|-------------------------------------|--|---|------------------------------|
| ENGLISH | FRENCH | ENGLISH | FRENCH | | | |
| " | " | 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 |