Common Alerting Protocol (v 0.8)
Alert Message Data Dictionary

Suggestions with respect to ISO 11179

Context: Name	**Object Class. Property. Representation**	**Definition and (Optionality)**
Part 1 **"alert" Element and Sub-elements**		
cap: alert	**message. alert. group**	**The container for all component parts of the alert message (mandatory)**
cap: msg_id	**message. identifier**	**The identifier of the alert message (mandatory)**
cap: sender_ id	**message. sender. identifier**	**The identifier of the sender of the alert message (mandatory)**
cap: password	message. password. string	The string representing the password of the alert message (optional)
cap: source_ id	message. source. identifier	The text identifying the source of the alert message (optional)
cap: sent	**message. sent. time**	**The time and date of the origination of the alert message (mandatory)**
cap: msg_ status	**message. status. code**	**The code denoting the appropriate handling of the alert message (mandatory)**
cap: msg_ scope	**message. scope. code**	**The code denoting the intended distribution of the alert message (mandatory)**
cap: restriction	message. restriction. text	The text describing the rule for limiting distribution of the restricted alert message (conditional)
cap: address	message. address. group	The group listing of intended recipients of the private alert message (conditional)
cap: msg_ code	message. control. code	The code denoting the special handling of the alert message (optional)
cap: msg_ type	**message. type. code**	**The code denoting the nature of the alert message (mandatory)**
cap:	message.	The text describing the purpose or significance of the alert message (optional)

msg_ note	note. text	
cap: ref_ id	message. reference. group	The group listing identifying earlier messages referenced by the alert message (optional)
cap: incident_ id	message. incident. name	The name of the referent incident of the alert message (optional)
Part 2 **"info" Element and Sub-elements**		
cap: info	message. info. group	The container for all component parts of the info sub-element of the alert message (optional)
cap: language	message. language. code	The code denoting the language of the info sub-element of the alert message (optional)
cap: event_ cat	**message. category. code**	**The code denoting the category of the subject event of the alert message (mandatory)**
cap: event_ type	**message. event. text**	**The text denoting the type of the subject event of the alert message (mandatory)**
cap: urgency	**message. urgency. code**	**The code denoting the urgency of the subject event of the alert message (mandatory)**
cap: severity	**message. severity. code**	**The code denoting the severity of the subject event of the alert message (mandatory)**
cap: certainty	**message. certainty. code**	**The code denoting the certainty of the subject event of the alert message (mandatory)**
cap: audience	message. audience. text	The text describing the intended audience of the alert message (optional)
cap: target_ code	message. target. code	The system-specific code identifying the intended audiences of the alert message
cap: effective	message. effective. time	The effective time of the information of the alert message (optional)
cap: onset	message. onset. quantity	The amount of time until the expected beginning of the subject event of the alert message (optional)
cap: expires	message. expires. time	The expiry time of the information of the alert message (optional)
cap: sender_desc	message. sender. name	The text naming the originator of the alert message (optional)

cap: headline	message. headline. text	The text headline of the alert message (optional)
cap: event_desc	message. event. text	The text describing the subject event of the alert message (optional)
cap: instruction	message. instruction. text	The text describing the recommended action to be taken by recipients of the alert message (optional)
cap: info_ url	message. information. identifier	The identifier of the hyperlink associating additional information with the alert message (optional)
cap: image_ url	message. image. identifier	The identifier of the hyperlink associating the image with the alert message (optional)
cap: audio_ url	message. audio. identifier	The identifier of the hyperlink associating the audio with the alert message (optional)
cap: contact	message. contact. text	The text describing the contact for follow-up and confirmation of the alert message (optional)
cap: parameter	message. parameter. group	The group listing of additional parameters associated with the alert message (optional)
Part 3 **"area" Element and Sub-elements**		
cap: area	message. area. group	The container for all component parts of the area sub-element of the info sub-element of the alert message (optional)
cap: area_ desc	**message. area. text**	**The text describing the affected area of the alert message (mandatory)**
cap: polygon	message. polygon. group	The group listing of the polygons delineating the affected area of the alert message (conditional)
cap: radius	message. circle. group	The paired values of a point and radius delineating the affected area of the alert message (conditional)
cap: geo_code	message. geo. code	The geographic code delineating the affected area of the alert message (conditional)
cap: altitude	message. altitude. quantity	The specific or minimum altitude of the affected area of the alert message (optional)
cap: max_altitude	message. ceiling. quantity	The maximum altitude of the affected area of the alert message (conditional)