VTEC Primer Valid Time Event Code

Your Guide to Interpreting VTEC

Definition of a VTEC Event

- An event is a specific combination of phenomenon (e.g., Heavy Snow, Tornado, Wind) and level of significance (e.g., Watch, Warning, or Advisory).
- Common examples of events include:

	Phenomenon	Level of Significance			
Heavy Snow Warning	HS	W			
Winter Storm Warning	WS	W			
Tornado Watch	ТО	Α			
Wind Advisory	WI	Υ			

• Each event given an Event Tracking Number (ETN), a four-digit number which stays with the event through its lifetime - from first issuance until upgrade, downgrade, cancellation or expiration.

VTEC Explained

P-VTEC String: /k.aaa.cccc.pp.s.####.yymmddThhnnZ_B-ymmddThhnnZ_E/

P-VTEC String

Event Group

k - Product Class

aaa - Action

cccc - Office ID

pp - Phenomena

s - Significance

- Event Tracking Number (ETN)

Date/Time Group

wmmddThhnnZ_B - Event Beginning Date/Time wmmddThhnnZ_E - Event Ending Date/Time

wy - year

mm - month

dd - day

T - fixed time indicator

hh - hour

nn - minute

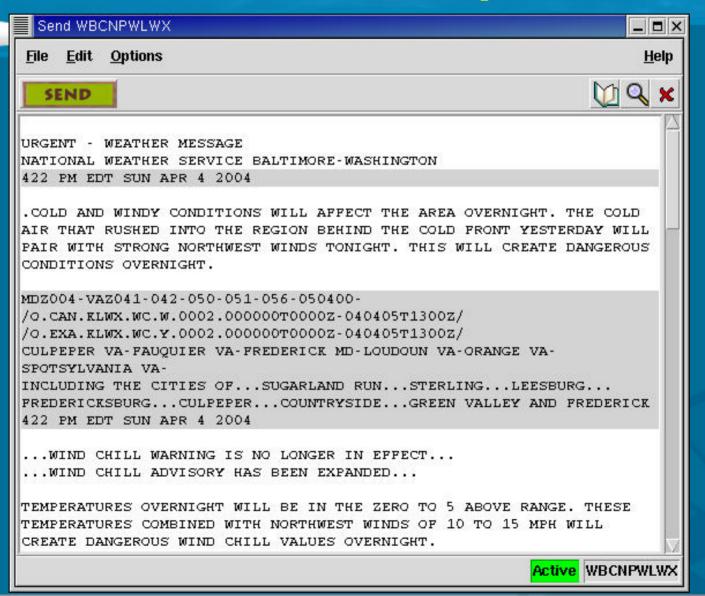
Z - fixed UTC indicator

إـــــــــــــــــــــــــــــــــــــ					I Intodic	1 - fixed time maleator					
Product (k) class	O T	Operational product Test product	E X	Experimental product Experimental VTEC in Operational product	I HOHOHOHO	ws ww	Blizzard Winter Storm V Winter Weather Snow Heavy Snow Lake Effect Snow	HW LW FG SM	Wind V High Wind V Lake Wind Dense Fog I Dense Smoke Heat	TS	Gale
	CON EXT EXA	N Event continued T Event extended (time) A Event extended (area)	UPG CAN EXP COR ROU	CAN Event cancelled EXP Event expiring COR Correction		BS BSB SIP SHP HZR FIS	Lake Effect Snow & Blowing Snow Blowing/Drifting Snow Snow & Blowing Snow Sleet Heavy Sleet Freezing Rain Ice Storm Freeze	EH DU DS FL FF SV TO	Excessive Heat Blowing Dust Dust Storm Flood Flash Flood Severe Thunderstorm Tomado Fire Weather (RFW,	HF TR HU TY TI HI LS CF	Hurricane Force Wind Tropical Storm Hurricane Typhoon Inland Tropical Storm Wind Inland Hurricane Wind Lakeshore Flood
Significance (s)	W A	Warning Watch	Y Advisory S Statement		1	ZF FR WC	Freezer Freezing Fog Frost Wind Chill Extreme Cold	V0 AF	Radiological Hazard	UP LO	Coastal Flood Ice Accretion Low Water High Surf

NWS products with VTEC

- **WSWBOU** winter storm warning product
- NPWBOU Non precipitation warning product
- RFWBOU fire weather warning product
- TORBOU tornado warning
- SVRBOU severe thunderstorm warning
- SVSBOU severe weather statement
- WCNBOU watch county notification for tornado and severe thunderstorm watches.
- FFABOU flood watches
- FLWBOU river flood warnings
- FLSBOU flood statements

VTEC Examples



New Hazard

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MAZOO1-NYZO58>061-190117-
/O.NEW.KALY.WW.Y.0023.040519T1600Z-040520T0300Z/
EASTERN COLUMBIA NY-EASTERN GREENE NY-NORTHERN BERKSHIRE MA-
WESTERN COLUMBIA NY-WESTERN GREENE NY-
INCLUDING THE CITIES OF...HUDSON...NORTH ADAMS AND PITTSFIELD
1029 AM EDT TUE MAY 18 2004
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...WINTER WEATHER ADVISORY IN EFFECT FROM 12 PM WEDNESDAY TO 11 PM EDT WEDNESDAY...

O – Operational VTEC
NEW – New hazard (first issuance)
KALY – Albany, NY WFO
WW – Winter Weather
Y – Advisory
0023 – 23rd Winter Weather Advisory issued this year
040519T1600Z – Hazard begins at 16Z on 5/19/04

040520T0300Z - Hazard ends at 03Z on 5/20/04

Continuing Hazard(s)

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NYZ032-033-042-192200-
   O.CON.KALY.ZF.Y.0002.000000T0000Z-040518T1930Z/
   O.CON.KALY.HW.A.0004.040519T1600Z-040520T1000Z/
   HAMILTON NY-NORTHERN HERKIMER NY-NORTHERN WARREN NY-
   1002 AM EDT TUE MAY 18 2004
   ...FREEZING FOG ADVISORY REMAINS IN EFFECT UNTIL 3:30 PM EDT THIS
   AFTERNOON...
   ...HIGH WIND WATCH REMAINS IN EFFECT FROM WEDNESDAY AFTERNOON TO
   THURSDAY MORNING...
O – Operational VTEC
CON – Continued hazard (followup)
KALY – Albany, NY WFO
ZF – Freezing Fog
                                   HW – High Wind
Y - Advisory
                                   A - Watch
0002 - 2<sup>nd</sup> Fz. fog adv.
                                   0004 – 4th High wind watch
000000T0000Z – Hazard already in effect
040518T1930Z - Hazard ends at 1930Z on 5/18/04
040519T1600Z – Hazard begins at 16Z on 5/19/04
040520T1000Z - Hazard ends at 10Z on 5/20/04
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Cancelled/Cleared Hazard

```
NYZO79-081-272316-
/T.CAN.KOKX.IS.W.0005.000000T0000Z-040728T1013Z/
NORTHEAST SUFFOLK NY-SOUTHEAST SUFFOLK NY-
INCLUDING THE CITIES OF...CENTER MORICHES...EAST SHOREHAM...
HAMPTON BAYS...MANORVILLE...MASTIC...MASTIC BEACH...RIDGE...
RIVERHEAD AND WADING RIVER
617 PM EDT TUE JUL 27 2004
...TEST ICE STORM WARNING IS CANCELLED...
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```
T – Test product
CAN – Cancelled hazard
KOKX – Upton, NY WFO
IS – Ice Storm
W – Warning
0005 – 5<sup>th</sup> Ice Storm Warning issued this year
000000T0000Z – Hazard ongoing
040728T1013Z – Hazard originally ended at 1013Z on 7/28/04
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Upgraded Hazard

NEW - New Hazard

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MDZ002-003-VAZ021-025>029-036>038-WVZ048>052-054-055-030456-

/O.UPG.KLWX.PW.A.0004.000000T0000Z-040404T0500Z/

/O.NEW.KLWX.PW.W.0003.040403T1700Z-040404T0500Z/

ALBEMARLE VA-ALLEGANY MD-AUGUSTA VA-BERKELEY WV-PREDERICK VA-
GRANT WV-GREENE VA-HAMPSHIRE WV-HARDY WV-HIGHLAND VA-MINERAL WV-
MORGAN WV-NELSON VA-PAGE VA-PENDLETON WV-ROCKINGHAM VA-SHENANDOAH VA-
WASHINGTON MD-
INCLUDING THE CITIES OF...ROMNEY...PETERSBURG...MOOREFIELD...
MARTINSBURG...KEYSER...WINCHESTER...WAYNESBORO...
UNIVERSITY HEIGHTS...STAUNTON...HARRISONBURG...CHARLOTTESVILLE...
HAGERSTOWN AND CUMBERLAND
558 PM EST FRI APR 2 2004

...RED PLAG WARNING IN EFFECT FROM 12 PM SATURDAY TO 12 AM EST
SUNDAY...
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O – Operational VTEC
UPG – Upgraded hazard
KALY – Albany, NY WFO
FW – Fire Weather/Red Flag

A – Watch

W - Warning

W - Warning

O004 – 4th Fire Wx Watch

O003 – 3rd Red Flag Warning

000000T0000Z – Hazard already in effect

040404T0500Z - Hazard would have ended at 05Z on 4/4/04

040403T1700Z – Hazard begins at 17Z on 4/3/04

040404T0500Z - Hazard ends at 05Z on 4/4/04

Downgraded/Replaced Hazard

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CTZ001-NYZ063>066-190117-

/O.CAN.KALY.SN.Y.0011.040519T1600Z-040520T0300Z/

/O.NEW.KALY.WW.Y.0023.040519T1600Z-040520T0300Z/

EASTERN DUTCHESS NY-EASTERN ULSTER NY-NORTHERN LITCHFIELD CT-
WESTERN DUTCHESS NY-WESTERN ULSTER NY-
INCLUDING THE CITIES OF...ARLINGTON...BEACON...KINGSTON...
MYERS CORNER...NEW PALTZ...POUGHKEEPSIE AND TORRINGTON
1029 AM EDT TUE MAY 18 2004

...SNOW ADVISORY IS NO LONGER IN EFFECT...
...WINTER WEATHER ADVISORY IN EFFECT FROM 12 PM WEDNESDAY TO 11 PM
EDT WEDNESDAY...
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```
O – Operational VTEC

CAN – Cancelled NEW – New hazard (1<sup>st</sup> issuance)

KALY – Albany, NY WFO

SN – Snow WW – Winter weather

Y – Advisory

0011 – 11<sup>th</sup> Snow Adv. 0023 – 23<sup>rd</sup> Winter Wx Adv.

040519T1600Z – Hazard begins at 16Z on 5/19/04

040520T0300Z – Hazard ends at 03Z on 5/20/04
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Expiring Hazard

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VACOO3-047-079-113-271634-
/X.EXP.KLWX.SV.W.0056.000000T0000Z-040727T1615Z/
...THE SEVERE THUNDERSTORM WARNING FOR SOUTHWESTERN CULPEPER...
MADISON...GREENE AND NORTH CENTRAL ALBEMARLE COUNTIES EXPIRES AT 1215
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X – Experimental VTEC in an Operational product
EXP – Expiring hazard (last issuance of this hazard)
KLWX – Sterling, VA WFO
SV – Severe Thunderstorm
W – Warning
0056 – 56th Severe thunderstorm warning this year
000000T00000Z – Hazard ongoing
040727T1615Z – Hazard ends at 1615Z on 7/27/04

PM EDT...

Corrected Hazard

NYZ077>081-140033-/O.COR.KOKX.BZ.A.0010.040713T2232Z-040714T2232Z/

O – Operational VTEC
COR – Corrected hazard
KOKX – Upton, NY WFO
BZ – Blizzard
A – Watch
0010 – 10th Blizzard Watch issued this year
040713T2232Z – Hazard begins at 2232Z on 7/13/04
040714T2232Z – Hazard ends at 2232Z on 7/14/04

Powerful dissemination tool

Combining VTEC and Weather Message software gives us a powerful tool to parse information to the customer.

Full warning...

WWUS45 KBOU 081940 WSWBOU

URGENT - WINTER WEATHER MESSAGE NATIONAL WEATHER SERVICE DENVER CO 1240 PM MST SAT DEC 8 2007

COZ041-046-047-090345-

/O.NEW.KBOU.SN.Y.0016.071208T1940Z-071209T1200Z/ ELBERT/CENTRAL AND EAST DOUGLAS COUNTIES ABOVE 6000 FEET-NORTH AND NORTHEAST ELBERT COUNTY BELOW 6000 FEET/NORTH LINCOLN COUNTY-

SOUTHEAST ELBERT COUNTY BELOW 6000 FEET/SOUTH LINCOLN COUNTY-INCLUDING...CASTLE ROCK...ELBERT...FONDIS...KIOWA...LARKSPUR... AGATE...HUGO...LIMON...MATHESON...FORDER...KARVAL...KUTCH... PUNKIN CENTER
1240 PM MST SAT DEC 8 2007

...SNOW ADVISORY IN EFFECT UNTIL 5 AM MST SUNDAY...

THE NATIONAL WEATHER SERVICE IN DENVER HAS ISSUED A SNOW ADVISORY...WHICH IS IN EFFECT UNTIL 5 AM MST SUNDAY.

SNOW WILL INCREASE FROM SOUTH TO NORTH ACROSS NORTHEASTERN COLORADO THIS AFTERNOON AND CONTINUE FOR MUCH OF THE NIGHT. IT APPEARS THE HEAVIEST SNOW WILL BE IN DOUGLAS...ELBERT...AND LINCOLN COUNTIES. SNOW ACCUMULATIONS OF 4 TO 8 INCHES ARE EXPECTED IN THIS AREA BY SUNDAY MORNING.

Advisory parsed by software to reach your pager, cell phone, PDA...

 The National Weather Service has issued a snow advisory until 5 am MST Sunday for eastern Douglas...Elbert...and Lincoln Counties.

You get to chose how you want the information delivered!

Questions/Comments



Contact:



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