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TECHNICAL IMPLEMENTATION NOTICE 07-19
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
1235 PM EDT THU MAR 29 2007

TO: FAMILY OF SERVICES /FOS/ SUBSCRIBERS...NOAA
WEATHER WIRE SERVICE /NWS/ SUBSCRIBERS...
EMERGENCY MANAGERS WEATHER INFORMATION
NETWORK /EMWIN/ SUBSCRIBERS...NOAAPORT
SUBSCRIBERS...OTHER NATIONAL WEATHER SERVICE
/NWS/ CUSTOMERS AND PARTNERS...AND NWS
EMPLOYEES

FROM: GLENN AUSTIN
NWS DIGITAL SERVICES TRANSITION MANAGER
OFFICE OF CLIMATE WATER AND WEATHER SERVICES

SUBJECT: EXPERIMENTAL WEB FEATURE SERVICE ACCESS TO THE
NATIONAL DIGITAL FORECAST DATABASE ELEMENTS
BEGINS MAY 1 2007

EFFECTIVE TUESDAY MAY 1 2007 AT 1400 COORDINATED UNIVERSAL TIME
/UTC/... NWS WILL BEGIN PROVIDING EXPERIMENTAL WEB FEATURE SERVICE
/WFS/ ACCESS TO THE NATIONAL DIGITAL FORECAST DATABASE /NDFD/.

THE NDFD WFS SERVER WILL PROVIDE STANDARDS-BASED ACCESS TO THE
NDFD USING OPEN GEOSPATIAL CONSORTIUM SPECIFICATIONS FOR SHARING
DATA. THE WFS ALLOWS A SPECIFICATION-COMPLIANT CLIENT APPLICATION
TO REQUEST FEATURE DATA FROM THE NDFD WFS SERVER. ONCE THE DATA
ARE RECEIVED...THE CLIENT CAN DISPLAY THE NDFD DATA AND MERGE IT
WITH OTHER DATA SOURCES WITHIN A GEOGRAPHIC INFORMATION SYSTEM.

FOR INFORMATION ON THE EXPERIMENTAL NDFD WFS...REFER TO /USE LOWER
CASE LETTERS/:

[HTTP://WWW.WEATHER.GOV/FORECASTS/XML/OGC_SERVICES/](http://www.weather.gov/forecasts/xml/ogc_services/)

FOR MORE INFORMATION ON THE OPEN GEOSPATIAL CONSORTIUM
WEB FEATURE SERVICE STANDARD...REFER TO /USE LOWER CASE LETTERS/:

[HTTP://WWW.OPENGEOSPATIAL.ORG/STANDARDS/WFS](http://www.opengespatial.org/standards/wfs)

MORE DETAILS ABOUT NDFD WFS WILL BE PROVIDED IN A SERVICE
DESCRIPTION DOCUMENT /SDD/ BEFORE THE IMPLEMENTATION DATE.
THE SDD WILL BE ADDED TO THE ONLINE CATALOG OF EXPERIMENTAL NWS
PRODUCTS AND SERVICES AND THE LIST OF NDFD-RELATED SDDS BEFORE THE
IMPLEMENTATION DATE. REFER TO /USE LOWER CASE LETTERS/:

[HTTP://PRODUCTS.WEATHER.GOV/VIEWLISTE.PHP](http://products.weather.gov/viewliste.php)
[HTTP://WWW.WEATHER.GOV/NDFD/PDD.HTM](http://www.weather.gov/ndfd/pdd.htm)

FOR GENERAL INFORMATION ON THE NDFD ELEMENTS AVAILABLE THROUGH THIS SERVICE...REFER TO /USE LOWER CASE LETTERS/:

[HTTP://NDFD.WEATHER.GOV/TECHNICAL.HTM](http://ndfd.weather.gov/technical.htm)

IF MAY 1 2007 IS A CRITICAL WEATHER DAY...THIS IMPLEMENTATION MAY BE POSTPONED. IN THAT CASE USERS WILL BE NOTIFIED OF THAT DECISION VIA A TECHNICAL IMPLEMENTATION NOTICE AS FAR IN ADVANCE AS POSSIBLE.

USER FEEDBACK IS AN IMPORTANT PART OF THE NWS ASSESSMENT OF EXPERIMENTAL SERVICES. PLEASE SUBMIT YOUR COMMENTS AND FEEDBACK ON THE EXPERIMENTAL NDFD WEB FEATURE SERVICE BY COMPLETING THE BRIEF ONLINE SURVEY AT /USE LOWER CASE LETTERS/:

[HTTP://WWW.WEATHER.GOV/SURVEY/NWS-SURVEY.PHP?CODE=NDFD-WFS](http://www.weather.gov/survey/nws-survey.php?code=ndfd-wfs)

COMMENTS AND FEEDBACK ON THE EXPERIMENTAL NDFD WEB FEATURE SERVICE WILL BE ACCEPTED THROUGH OCTOBER 31 2007.

THIS SERVICE WILL REMAIN EXPERIMENTAL UNTIL ALL FEEDBACK IS ASSESSED AND A TECHNICAL ANALYSIS IS COMPLETED. AT THAT TIME... THE NWS WILL DETERMINE WHETHER TO TRANSITION THIS WEB SERVICE TO OPERATIONAL STATUS...DISCONTINUE THE SERVICE...OR REVISE AND RETAIN THE SERVICE IN EXPERIMENTAL STATUS.

IF YOU HAVE ANY QUESTIONS REGARDING THIS SERVICE...PLEASE CONTACT:

ROBERT BUNGE	JOHN SCHATTEL
DIRECTOR...INTERNET SERVICES	METEOROLOGIST
OFFICE OF CIO	OFFICE OF SCIENCE AND TECHNOLOGY
SILVER SPRING MARYLAND	SILVER SPRING MARYLAND
PHONE: 301-713-1381 X140	PHONE: 301-713-0056 X111
ROBERT.BUNGE@NOAA.GOV	JOHN.SCHATTEL@NOAA.GOV

IF YOU HAVE QUESTIONS REGARDING THIS NOTICE...PLEASE CONTACT:

ROBERT BUNGE
HIS CONTACT INFORMATION IS SHOWN ABOVE

IF YOU HAVE TECHNICAL QUESTIONS REGARDING THE NDFD DATA...PLEASE CONTACT:

DAVID RUTH
CHIEF...MESOSCALE PREDICTION BRANCH
NATIONAL WEATHER SERVICE
OFFICE OF SCIENCE AND TECHNOLOGY
SILVER SPRING MARYLAND
EMAIL: DAVID.RUTH@NOAA.GOV

TECHNICAL IMPLEMENTATION NOTICES SPECIFICALLY RELATED TO THE NDFD ARE AVAILABLE ONLINE AT /USE LOWER CASE LETTERS/:

[HTTP://WWW.WEATHER.GOV/NDFD/TINS.HTM](http://www.weather.gov/ndfd/tins.htm)

THIS AND OTHER TECHNICAL IMPLEMENTATION NOTICES ARE AVAILABLE
ONLINE AT /USE LOWER CASE LETTERS/:

[HTTP://WWW.NWS.NOAA.GOV/OM/NOTIF.HTM](http://www.nws.noaa.gov/om/notif.htm)

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