To:       Subscribers:
    -Family of Services
    -NOAA Weather Wire Service
    -Emergency Managers Weather Information Network
    -NOAAPort
Other NWS Partners and Employees

From:    David Novak
        Director, Weather Prediction Center

Subject: Change to the Product Definition Template Generating
Process Identifier for the WPC Probabilistic Quantitative
Precipitation Forecast and Percentile Precipitation Accumulation
GriB2 Files: Effective October 15, 2015

Effective Thursday, October 15, 2015, at 1800 Coordinated
Universal Time (UTC), the National Centers for Environmental
Prediction's (NCEP's) Weather Prediction Center (WPC) will
change the Product Definition Template 4.9 Generating Process
Identifier for the WPC Probabilistic Quantitative Precipitation
Forecast (PQPF) Gridded Binary 2 (GriB2) files from 180 to 221.
This change will resolve a decoding conflict between the PQPF
and WPC's Quantitative Precipitation Forecasts.

Additionally, WPC will change the Product Definition Template
4.10 Generating Process Identifier for the WPC Percentile
Precipitation Accumulation GriB2 files to 221 for the 10th, 50th
and 90th Percentiles. This will allow the PQPF and all
Percentiles Forecasts to be consistent.

Table 1: Percentile Accumulation Generating Process ID Change

<table>
<thead>
<tr>
<th>Percentile</th>
<th>Process ID Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>10th</td>
<td>222 -&gt; 221</td>
</tr>
<tr>
<td>50th</td>
<td>224 -&gt; 221</td>
</tr>
<tr>
<td>90th</td>
<td>226 -&gt; 221</td>
</tr>
</tbody>
</table>
Products Affected by this Implementation Notice
World Meteorological Organization (WMO) Headers follow

Template T1 T2 A1 A2 ii cccc T1 = H
T2 = E A1 = N
A2 specifies the forecast hours as follows B=06; C=12; D=18;
E=24; F=30; G=36; H=42; I=48; X=54; J=60; Y=66; K=72

ii specifies the exceedance probabilities for the Probabilistic
Quantitative Precipitation Forecast or the Percentile
Accumulation threshold

11=6 hour Probability >= 0.01
12=6 hour Probability >= 0.25
13=6 hour Probability >= 0.50
14=6 hour Probability >= 1.00
15=6 hour Probability >= 2.00
16=6 hour Probability >= 4.00
17=24 hour Probability >= 1.00
18=24 hour Probability >= 2.00
19=24 hour Probability >= 4.00
20=24 hour Probability >= 8.00
21=24 hour Probability >= 16.00
22=72 hour Probability >= 1.00
23=72 hour Probability >= 2.00
24=72 hour Probability >= 4.00
25=72 hour Probability >= 8.00
26=72 hour Probability >= 16.00
51=6 hour 10th Percentile Accumulation
52=6 hour 50th Percentile Accumulation
53=6 hour 90th Percentile Accumulation
54=24 hour 10th Percentile Accumulation
55=24 hour 40th Percentile Accumulation
56=24 hour 90th Percentile Accumulation
57=72 hour 10th Percentile Accumulation
58=72 hour 50th Percentile Accumulation
59=72 hour 90th Percentile Accumulation

ccccc=KWNH

Users who ingest the GriB2 files may need to update their
procedures and scripts in order to properly decode the PQPF.
The GriB2 files are available at NOAAPort.

No additional changes will be made to product contents or
availability for this implementation.
For more information, please contact:

David Novak  
Director, NCEP WPC  
david.novak@noaa.gov  
301-683-1484  

National Technical Implementation Notices are online at:  

https://www.weather.gov/notification/archive  

$$  
NNNN