

**WAAS Technical Report**  
**William J. Hughes Technical Center**  
**Pomona, New Jersey**  
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**DR# 54: POR SV Alert Did Not Change UDREI's**  
**GPS Week/Day: Week 1421 Day 0 (4/1/07)**

**Discussion:**

On April 1, 2007 (GPS Week 1421 Day 0), the WAAS POR GEO issued a Type 4 SV alert which did not change the UDREI (User Differential Range Error Index) of any satellites. The alert was 4 seconds long, lasting from GPS time of week 65554 – 65557 (18:12:20 – 18:12:23 GMT). POR was the only GEO to broadcast an SV alert on this day. There were no apparent related GUS or C&V events near that time. Table 1 summarizes the contents of the alert.

**Table 1. POR SV Alert details**

<b>SV PRN</b>	<b>Start Time</b>	<b>Stop Time</b>	<b>Previous UDREI</b>	<b>New UDREI</b>	<b>UDREI change?</b>	<b>Msg Type</b>
28	65554	65557	14	14,14,14,14	No	T4
29	65554	65557	5	5,5,5,5	No	T4
30	65554	65557	14	14,14,14,14	No	T4
31	65554	65557	14	14,14,14,14	No	T4
122	65554	65557	12	12,12,12,12	No	T4
134	65554	65557	13	13,13,13,13	No	T4
135	65554	65557	14	14,14,14,14	No	T4

**Conclusions:**

On GPS Week 1421 Day 0, the WAAS POR GEO issued a four-second Type 4 alert which did not change any UDREI's. At the time of this writing, the cause of this anomaly remains unknown.