



Siemens Technical Bulletin STAB14-0085

# Known Issues on ST950 Firmware Package 667/1/46059/000

6th January 2014

**Product:** ST950**Modifications Req:** No**Retrospective Action Req:** No**Priority of Change:** Information Only

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- ✓ Procedure
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## Introduction

This bulletin is intended to highlight 2 new known problems which have been found on the existing ST950 Firmware Package (667/1/46059/000).

## Scope

These problems are found within ST950 Firmware Package 667/1/46059/000 Issues 3 & 5.

Siemens will endeavor to correct these 2 problems within the next firmware release.

## Procedure

The 2 new known issues on the ST950 Firmware are as such:

### Limitations within the LRT facility

In VA mode, ROW can oscillate between two or more Exceptional Stages if permanent VA demands are inserted for those stages. For example, if the stop line detectors fail stuck active on the LRT units in stages 4 and 5, then VA mode oscillates between those stages, resulting in ROW being granted to the stages in this order: 1, 2, 3, 4, 5, 4, 5 with stages 4 and 5 repeating indefinitely.

Work-around: Add an Ignore or Alternate stage restriction for the move 5 to 4.

### Multiple Hurry Call Stages

If two Hurry Call requests are inserted, instead of one naturally having higher priority than the other, the two fight and ROW moves back-and-forth between the two stages on minimum greens and neither Hurry Call completes.

A temporary workaround is to change the timings so the hurry call hold period is shorter than the phase minimum greens, so the Hurry Call hold period always completes when the Hurry Call stage gains ROW.

A better workaround is to add Special Conditioning to help the Hurry Call facility, such as:

```
;If any Hurry Call hold is active
;then Prevent all Hurry Call stages to stop any movements
(MODE0 EQL<5>).(HRYSTA0 EQL<2>)+(HRYSTA1 EQL<2>)+...::=PRVST1
*=PRVST2
...
```

(Take care when adding the above because it may need to be combined with other Special Conditioning that prevents stage movements)

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For more detailed information please refer to the SU document.



**Related documents**

667/SU/46000/000 - ST950 Firmware & Hardware Handbook



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