

Question

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Out of sequence Z segments in HL7

Hi- I have a HL7 message ADTA01 (Admit) that contains several Z segments, which don't necessarily all appear at the end of the document, like normal. See below...

```
1  MSH ^ ~|\& ^ VAFc PIMS ^ 500 ^ HEALTHSHARE ^ 500 ^ 20171103154747-0500 ^ . ^
ADT ~ A01 ^ 50019000 ^ T ^ 2.3 ^ . ^ . ^ NE ^ USA

2  EVN ^ A01 ^ 20171103154701-0500 ^ . ^ 05

3  PID ^ 1 ^ 5000000351V802052 ^ 100853 ~ 1 ~ M10 ^ 3333 ^ POINDEXTER ~ KENNETH ^
   "" ^ 19690117 ^ M ^ . ^ "" ~ . ~ 0005 ~ "" ~ . ~ CDC ^ "" ~ "" ~ "" ~ "" ~ "" ~
. ~ P ~ "" ~ "" | "" ~ "" ~ "" ~ "" ~ "" ~ . ~ VACAE ~ "" ~ "" ~ . ~ . ~ "" & "" |
"" ~ "" ~ "" ~ "" ~ "" ~ . ~ VACAA ~ "" ~ "" ~ . ~ . ~ "" & "" | "" ~ "" ~ "" ~ ""
" ~ "" ~ . ~ VACAC ~ "" ~ "" ~ . ~ . ~ "" & "" | "" ~ "" ~ "" ~ "" ~ "" ~ . ~ VAC
AM ~ "" ~ "" ~ . ~ "" & "" | "" ~ "" ~ "" ~ "" ~ "" ~ . ~ VACAO ~ "" ~ "" ~ .
~ . ~ "" & "" ^ . ^ "" ^ "" ^ . ^ "" ^ 29 ^ . ^ 555443333 ^ . ^ . ^ "" ~ . ~
0189 ~ "" ~ . ~ CDC ^

4  PD1 ^ . ^ . ^ CAMP MASTER ~ . ~ 500 ^ ""

5  ZPD ^ 1 ^ "" ^ "" ^ "" ^ "" ^ "" ^ "" ^ "" ^ "" ^ "" ^ "" ^ 0 ^ "" ^ "" ^ "" ^ "" ^
0 ^ "" ^ 0 ^ "" ^ "" ^ ""

6  PV1 ^ 1 ^ I ^ 7B ~ "" ~ "" ^ . ^ . ^ . ^ 1002 ~ PROVIDER ~ EIGHTEEN ^ . ^
. ^ 94 ^ . ^ . ^ . ^ . ^ . ^ . ^ EMPLOYEE ^ . ^ . ^ 1 ^ . ^ . ^ . ^
. ^ . ^ . ^ . ^ . ^ . ^ . ^ . ^ . ^ . ^ . ^ . ^ . ^ . ^ . ^
. ^ . ^ 20171103154701-0500 ^ "" ^ . ^ . ^ . ^ . ^ 13976

7  ROL ^ 13976-1002*1 ^ C0 ^ V110000 ~ Physicians (M.D. and D.O.) & Physician/Ost
eopath & "" ~ VA8932.1 ~ T ~ "" ~ VA01 ^ 1002 & 500 ~ PROVIDER ~ EIGHTEEN ~ "" ~ "" ~
"" ~ "" ~ VA200 | "" ~ "" ~ "" ~ "" ~ "" ~ "" ~ "" ~ "" ~ SSA

8  ROL ^ 13976-991*2 ^ C0 ^ V110000 ~ Physicians (M.D. and D.O.) & Physician/Oste
opath & "" ~ VA8932.1 ~ A ~ "" ~ VA01 ^ 991 & 500 ~ PROVIDER ~ EIGHT ~ "" ~ "" ~ "" ~
"" ~ VA200 | "" ~ "" ~ "" ~ "" ~ "" ~ "" ~ "" ~ "" ~ SSA

9  DG1 ^ 1 ^ . ^ . ^ PSYCHOSIS

10 ZSP ^ 1 ^ 0 ^ "" ^ "" ^ "" ^ "" ^ "" ^ "" ^ "" ^ . ^ "" ^ ""

11 ZEL ^ 1 ^ "" ^ "" ^ "" ^ "" ^ "" ^ "" ^ "" ^ 0 ^ EMPLOYEE ^ "" ^ "" ^ "" ^ "" ^ ""
^ "" ^ "" ^ "" ^ "" ^ "" ^ "" ^ "" ^ "" ^ ""

12 ZCT ^ 1 ^ 1 ^ "" ^ "" ^ "" ^ "" ^ "" ^ "" ^ "" ^ ""

13 ZEM ^ 1 ^ 1 ^ "" ^ "" ^ "" ^ "" ^ "" ^ "" ^ "" ^ .

14 ZIR ^ .
```

15 ZEN ^ 1

My HL7 Router is sending this message to the bad message handler even though my Validation setting on the router is 1. It's complaining because there is a Z segment that appears before the PV1 segment. I have no control over the source system and am wondering if there is any way to have this message go through as-is without having to create a custom schema?

If I need to, I can create the custom schema, however, would like to not have to do that if there is a way to just have this message go through without it.

Thanks

[#HL7](#) [#Ensemble](#)

Source URL: <https://community.intersystems.com/post/out-sequence-z-segments-hl7>