

EVS_Scenarios_S11_Validation_Fails

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Scope

This page contains the Kmehrmessages for testing the behaviour of the SUT when transactions are put in the vault that do not conform to the recommended build of a transaction.

Instructions for EVS use



IMPORTANT: This test has to be performed using the new version of EVSc: EVS

This [EVS export folder](#) contains all the transactions used for this test.

The tests will explain what to do with the export file.

The EVS parameter writeAsIs must be set to *false*.

Description

After reading the medication scheme, the results can be verified in the SUT.

Depending on the SUT, the handling of the medication scheme may vary slightly.

The table below shows the contents of each medication line.

This is a work in progress.

EVSREF	Rule	Alteration
100	1001a	Weekday is used when frequency is a multiple of days. M. Combined use of frequency and day#Multipleofdays
101	1001b	Daynumber is bigger than the frequency. M. Combined use of frequency and day#Multipleofdays
102	1001c	Date is used when frequency is a multiple of weeks. M. Combined use of frequency and day#Multipleofweeks

103	1001e	Regimen with both weekdays and nothing (startdate will be used). M. Combined use of frequency and day#Multipleofweeks
104	1001f	No frequency is specified and weekday is used.
105	1001g	Daynumber is used when frequency is a multiple of months. M. Combined use of frequency and day#Multipleofmonths
106	1001h	The 'day' part in the date field of the regimen is higher than 28 when frequency is a multiple of months. M. Combined use of frequency and day#Multipleofmonths
107	1001i	Weekday is used when frequency is a multiple of years. M. Combined use of frequency and day#Multipleofyears
108	1001j	The 'day' part in the date field of the regimen is higher than 28 when frequency is a multiple of years. M. Combined use of frequency and day#Multipleofyears
109	1001k	Daynumber in the regimen is higher than the multiple of weeks frequency. M. Combined use of frequency and day#Multipleofweeks
110	1011	Medication is suspended without an endmoment.
111	1004	Temporality is missing.
112	1006	Length of the instructionforpatient field is longer than 340 characters.
113	1007	Medication in the treatment suspension differs from the corresponding medicationscheme element.
114	1012	Quantity contains a value that is bigger than 4 digits.
115	1013	More than five treatment suspensions.
116	1018	Drugroute value is not supported.
117	1020	Endmoment and duration are used together. M. Ending a medication treatment
118	1021	Value for timeunit in duration contains an invalid code. M. Ending a medication treatment
119	1022	Duration bevat de waarde 0.
120	1028	Quantity is kleiner of gelijk aan 0.
121	1023	Quantity contains a value with trailing zeros.
122	1032	iscomplete is false.
123	1015	Dayperiod value is 'betweenmeals'.
124	1016	Periodicity value is not supported.
125	1024	Invalid administration unit.
126	1030	Invalid CNK / INNCLUSTER code.
127	1010	Deliveredname is missing.
128	1031	CNK / INNCLUSTER code is in the range 0900-000 -> 0999-999. This range is reserved for pharmacists for their own use.
129	1034	The element <isvalidated> is false.

S11R10: Reading Gateway Validation Fails

Preparation

1. Upload the first scheme (S11_all_validation_fails_evs_ref100.xml) using the EVS-action REPLACE and your own test patient.
2. Upload all other schemes using the EVS-action ADD and the same test patient.

Expected results

- **TS-1:** The SUT should continue to work as intended.
- **TS-2:** Either there should be no medications in the UI or print, or all 24 medications are present. The SUT should not display only a set of the medicationlines.
- **TS-3:** The user should be able to notice that there is an abnormality with his medication scheme.

To find out more about why these transactions are considered to not conform to the recommended build of a transaction, have a look at the .val file EVS generates.

S11W15: Writing Gateway Validation Fails

Preparation

1. Before testing this, make sure you have performed the 'S11R10: Reading Gateway Validation Fails' test.
2. Alter every medication by putting an extra dot (.) in the 'Instruction For Patient'.
3. Sync the altered medication scheme with Vitalink.

Expected results

- **TS-1:** The SUT should have successfully altered the medication scheme.
- **TS-2:** Either there should be no medications in the UI or print, or all 24 medications are present. The SUT should not display only a set of the medicationlines.
- **TS-3:** The user should be able to notice that there is an abnormality with his medication scheme.

S11R20: Reading Single Validation Fail

This test will require you to upload every medicationline separately.

The export file will contain comments that show where a medicationline starts and where it ends. Separate that part (and close the remaining open tags) and put it in a separate file (don't forget to include the header information and medicationscheme transaction). That separate file has to be uploaded using the EVS-action REPLACE and your own test patient. This has to be done for each medicationline. Each medicationline should be in a format similar to this:

```
<?xml version="1.0" encoding="UTF-8"?>
<kmehrmessage xmlns="http://www.ehealth.fgov.be/standards/kmehr/schema/v1" xmlns:ns2="http://www.w3.org/2001/04/xmlenc#" xmlns:ns3="http://www.w3.org/2000/09/xmldsig#"
  <header>
    ...
  </header>
  <folder>
    ...
    <transaction>
      ...
      <cd s="CD-TRANSACTION" SV="1.0">medicationscheme</cd>
      ...
    </transaction>
    <!--
      START OF MEDICATIONLINE 1
    -->
    <transaction>
      ...
      <cd s="CD-TRANSACTION" SV="1.4">medicationschemeelement</cd>
      ...
    </transaction>
    <!--
      END OF MEDICATIONLINE 1
    -->
  </folder>
</kmehrmessage>
```

Expected results

- **TS-1:** The SUT should continue to work as intended.

S11W25: Writing Single Validation Fail

This test will require you to alter every medicationline separately.

1. Upload the medicationscheme using the EVS-action REPLACE and your own test patient.
2. Alter a medication by putting an extra dot (.) in the 'Instruction For Patient'. Then sync the altered medication scheme with Vitalink.
3. Verify the results.
4. Repeat step 2 and 3 for every medication in the medicationscheme.

Expected results

- **TS-1:** The SUT should have succesfully altered the medication scheme.