

class **Ensemble.Tests.HL7TransformTest** extends [Ensemble.Tests.TestHelper](#)

► Inventory

► Summary

▼ Methods

• method **TestAssignEVN()**

Tests that the EVN segment is transferred over to the new message

```
Set hl7 = ..CreateMessage("2.1:ADT_A12")
Do hl7.SetValueAt("5", "EVN:EVENTTYPECODE")
Do hl7.SetValueAt("20090201", "EVN:DATETIMEOFEVENT")
Do hl7.SetValueAt("20090121", "EVN:DATETIMEPLANEVENT")
Do hl7.%Save()

Do ##class(Ensemble.DTL.HL7Transform).Transform(hl7, .target)

Do $$$AssertEquals(hl7.GetValueAt("EVN"), target.GetValueAt("EVN"))
```

• method **TestAssignMSHAtomic()**

1. Creates an HL7 Message and builds up the MSH section.
2. Invokes the **Transform** on the DTL class.
3. Asserts that MSH segment was migrated to the new message.
4. Asserts that 'Atomic' is assigned as the MSH:SENDINGFACILITY based on the value of PV1:ASSIGNEDPATIENTLOCATION
5. Asserts that 'MedManager' is assigned as the MSH:SENDINGAPPLICATION based on the value of PV1:ASSIGNEDPATIENTLOCATION

```
Set hl7 = ..CreateMessage("2.1:ADT_A12")
Do hl7.SetValueAt("A12", "EVN:EVENTTYPECODE")
Do hl7.SetValueAt("AO", "PV1:ASSIGNEDPATIENTLOCATION")
Do hl7.SetValueAt("ACK", "MSH:MESSAGETYPE")
Do hl7.SetValueAt("20080112.123", "MSH:DATETIMEOFMESSAGE")
Do hl7.SetValueAt("FOO", "MSH:SENDINGAPPLICATION")
Do hl7.SetValueAt("BAR", "MSH:SENDINGFACILITY")
Do hl7.%Save()

Do ##class(Ensemble.DTL.HL7Transform).Transform(hl7, .target)

Do $$$AssertEquals("ACK", target.GetValueAt("MSH:MESSAGETYPE"))
Do $$$AssertEquals("20080112.123", target.GetValueAt("MSH:DATETIMEOFMESSAGE"))
Do $$$AssertEquals("A12", target.GetValueAt("EVN:EVENTTYPECODE"))
Do $$$AssertEquals("MedManager", target.GetValueAt("MSH:SENDINGAPPLICATION"))
Do $$$AssertEquals("Atomic", target.GetValueAt("MSH:SENDINGFACILITY"))
```

• method **TestAssignMSHOther()**

1. Creates an HL7 Message and builds up the MSH section.
2. Invokes the **Transform** on the DTL class.
3. Asserts that MSH segment was migrated to the new message.
4. Asserts that 'Watchmen' is assigned as the MSH:SENDINGFACILITY based on the value of PV1:ASSIGNEDPATIENTLOCATION

5. Asserts that 'Epic' is assigned as the MSH:SENDINGAPPLICATION based on the value of PV1:ASSIGNEDPATIENTLOCATION

```
Set hl7 = ..CreateMessage("2.1:ADT_A12")
Do hl7.SetValueAt("A12", "EVN:EVENTTYPECODE")
Do hl7.SetValueAt("AO", "PV1:ASSIGNEDPATIENTLOCATION")
Do hl7.SetValueAt("ACK", "MSH:MESSAGETYPE")
Do hl7.SetValueAt("20080112.123", "MSH:DATETIMEOFMESSAGE")
Do hl7.SetValueAt("FOO", "MSH:SENDINGAPPLICATION")
Do hl7.SetValueAt("BAR", "MSH:SENDINGFACILITY")
Do hl7.%Save()

Do ##class(Ensemble.DTL.HL7Transform).Transform(hl7, .target)

Do $$$AssertEquals("ACK", target.GetValueAt("MSH:MESSAGETYPE"))
Do $$$AssertEquals("20080112.123", target.GetValueAt("MSH:DATETIMEOFMESSAGE"))
Do $$$AssertEquals("A12", target.GetValueAt("EVN:EVENTTYPECODE"))
Do $$$AssertEquals("Epic", target.GetValueAt("MSH:SENDINGAPPLICATION"))
Do $$$AssertEquals("Watchmen", target.GetValueAt("MSH:SENDINGFACILITY"))
```

• method **TestAssignPID()**

Tests that the PID segment is migrated to the PIDGrp().PID field.

```
Set hl7 = ..CreateMessage("2.1:ADT_A12")
Do hl7.SetValueAt("John Smith", "PID:PATIENTNAME")
Do hl7.SetValueAt("Busher", "PID:MOTHERSMAIDENNAME")
Do hl7.SetValueAt("M", "PID:SEX")
Do hl7.SetValueAt("32", "PID:SETIDPATIENTID")
Do hl7.%Save()

Do ##class(Ensemble.DTL.HL7Transform).Transform(hl7, .target)

Do $$$AssertEquals(hl7.GetValueAt("PID"), target.GetValueAt("PIDgrp(1).PID"))
```

• method **TestAssignPV1()**

Tests that the PV1 segment is migrated to the PIDGrp().PV1 field.

```
Set hl7 = ..CreateMessage("2.1:ADT_A12")
Do hl7.SetValueAt("Senior", "PV1:PATIENTCLASS")
Do hl7.SetValueAt("Alfred", "PV1:ATTENDINGDOCTOR")
Do hl7.SetValueAt("John", "PV1:REFERRINGDOCTOR")
Do hl7.%Save()

Do ##class(Ensemble.DTL.HL7Transform).Transform(hl7, .target)

Do $$$AssertEquals(hl7.GetValueAt("PV1"), target.GetValueAt("PIDgrp(1).PV1"))
```

• method **TestTargetDoc()**

Tests that target message is assigned with the correct document type.

```
Set hl7 = ..CreateMessage("2.1:ADT_A12")
Do hl7.%Save()

Do ##class(Ensemble.DTL.HL7Transform).Transform(hl7, .target)

Do $$$AssertEquals("2.1:BAR_P02", target.DocType)
```
