5. **SHOULD** contain zero or more [0..*] `entry` (CONF:1198-7881) such that it
   a. **SHALL** contain exactly one [1..1] **Problem Concern Act (V3)** (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.3:2015-08-01) (CONF:1198-15505).
6. **MAY** contain zero or one [0..1] `entry` (CONF:1198-30481) such that it
   a. **SHALL** contain exactly one [1..1] **Health Status Observation (V2)** (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.5:2014-06-09) (CONF:1198-30482).

2.53.1 Problem Section (entries required) (V3)

```
[section: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.2.5.1:2015-08-01
(open)]
```

Table 178: Problem Section (entries required) (V3) Contexts

Contained By:	Contains:
Consultation Note (V3) (required)	Health Status Observation (V2) (optional)
Continuity of Care Document (CCD) (V3) (required)	Problem Concern Act (V3) (required)
Transfer Summary (V2) (required)	
Referral Note (V2) (required)	

This section lists and describes all relevant clinical problems at the time the document is generated. At a minimum, all pertinent current and historical problems should be listed. Overall health status may be represented in this section.

Table 179: Problem Section (entries required) (V3) Constraints Overview

XPath	Card.	Verb	Data Type	CONF#	Value
section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.5.1:2015-08-01)					
@nullFlavor	0..1	MAY		1198-32864	urn:oid:2.16.840.1.113883.5.1008 (HL7NullFlavor) = NI
templateId	1..1	SHALL		1198-9179	
@root	1..1	SHALL		1198-10441	2.16.840.1.113883.10.20.22.2.5.1
@extension	1..1	SHALL		1198-32510	2015-08-01
code	1..1	SHALL		1198-15409	
@code	1..1	SHALL		1198-15410	11450-4
@codeSystem	1..1	SHALL		1198-31142	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
title	1..1	SHALL		1198-9181	
text	1..1	SHALL		1198-9182	
entry	1..*	SHALL		1198-9183	
act	1..1	SHALL		1198-15506	Problem Concern Act (V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.3:2015-08-01
entry	0..1	MAY		1198-30479	
observation	1..1	SHALL		1198-30480	Health Status Observation (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.5:2014-06-09

1. Conforms to **Problem Section (entries optional) (V3)** template (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.5:2015-08-01).
2. **MAY** contain zero or one [0..1] **@nullFlavor**="NI" No information (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:1198-32864).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:1198-9179) such that it
   a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.2.5.1" (CONF:1198-10441).
   b. **SHALL** contain exactly one [1..1] **@extension**="2015-08-01" (CONF:1198-32510).
4. **SHALL** contain exactly one [1..1] **code** (CONF:1198-15409).

a. This code **SHALL** contain exactly one [1..1] **@code**="11450-4" Problem List (CONF:1198-15410).

b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:1198-31142).

5. **SHALL** contain exactly one [1..1] **title** (CONF:1198-9181).

6. **SHALL** contain exactly one [1..1] **text** (CONF:1198-9182).

If section/@nullFlavor is not present:

7. **SHALL** contain at least one [1..*] **entry** (CONF:1198-9183) such that it

a. **SHALL** contain exactly one [1..1] **Problem Concern Act (V3)** (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.3:2015-08-01) (CONF:1198-15506).

8. **MAY** contain zero or one [0..1] **entry** (CONF:1198-30479) such that it

a. **SHALL** contain exactly one [1..1] **Health Status Observation (V2)** (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.5:2014-06-09) (CONF:1198-30480).

Figure 105: Problem Section (entries required) (V3) Example

```
<section>
  <!-- [C-CDA R2.1] Problem Section (entries optional) -->
  <templateId root="2.16.840.1.113883.10.20.22.2.5" extension="2015-08-01" />
  <!-- [C-CDA R2.1] Problem Section (entries required) -->
  <templateId root="2.16.840.1.113883.10.20.22.2.5.1" extension="2015-08-01" />
  <code code="11450-4"
        codeSystem="2.16.840.1.113883.6.1"
        codeSystemName="LOINC"
        displayName="PROBLEM LIST" />
  <title>PROBLEMS</title>
  <text>
    <list listType="ordered">
      <item>Pneumonia: Resolved in March 1998</item>
      <item>...</item>
    </list>
  </text>
  <entry typeCode="DRIV">
    <act classCode="ACT" moodCode="EVN">
      <!-- [C-CDA R2.1] Problem Concern Act (V3) -->
        <templateId root="2.16.840.1.113883.10.20.22.4.3" extension="2015-08-01" />
      ...

    </act>
  </entry>
</section>
```

Figure 106: No Known Problems Section Example

```
<section>
  <!-- [C-CDA R2.1] Problem Section (entries optional) -->
  <templateId root="2.16.840.1.113883.10.20.22.2.5" extension="2015-08-01" />
  <!-- [C-CDA R2.1] Problem Section (entries required) -->
  <templateId root="2.16.840.1.113883.10.20.22.2.5.1" extension="2015-08-01" />
  <code code="11450-4" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
displayName="Problem List" />
  <title>PROBLEMS</title>
  <text ID="Concern_1">
    Problem Concern:
    <br />
    Concern Tracker Start Date: 06/07/2013 16:05:06
    <br />
    Concern Tracker End Date:
    <br />
    Concern Status: Active
    <br />
    <content ID="problems1">No known
      <content ID="problemType1">problems.</content>
    </content>
  </text>
  <entry typeCode="DRIV">
    <act classCode="ACT" moodCode="EVN">
      <!-- [C-CDA R2.1] Problem Concern Act (V3) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.3" extension="2015-08-01" />
      <id root="36e3e930-7b14-11db-9fe1-0800200c9a66" />
      <!-- SDWG supports 48765-2 or CONC in the code element -->
      <code code="CONC" codeSystem="2.16.840.1.113883.5.6" />
      <text>
        <reference value="#Concern_1" />
      </text>
      <statusCode code="active" />
      <!-- The concern is not active, in terms of there being an active condition
           to be managed.-->
      <effectiveTime>
        <low value="20130607160506" />
        <!-- Time at which THIS "concern" began being tracked.-->
      </effectiveTime>
      <!-- status is active so high is not applicable. If high is present it
           should have nullFlavor of NA-->
      <!-- Optional Author Element-->
      <author>
        <!--_ [C-CDA R2] Author Participation -->
        <templateId root="2.16.840.1.113883.10.20.22.4.119" />
        <time value="20130607160506" />
        <assignedAuthor>
          ...
        </assignedAuthor>
      </author>
      <entryRelationship typeCode="SUBJ">
        <observation classCode="OBS" moodCode="EVN" negationInd="true">
          <!-- Model of Meaning for No Problems -->
          <!-- This is more consistent with how we did no known allergies.
               The use of negationInd corresponds with the newer
               Observation.ValueNegationInd.
```

```
            The negationInd = true negates the value element. -->
        <!-- [C-CDA R2.1] Problem Observation (V3) -->
        <templateId root="2.16.840.1.113883.10.20.22.4.4" extension="2015-08-01" />
        <id root="4adc1021-7b14-11db-9fe1-0800200c9a67" />
        <code code="ASSERTION" codeSystem="2.16.840.1.113883.5.4" />
        <text>
          <reference value="#problems1" />
        </text>
        <statusCode code="completed" />
        <effectiveTime>
          <low value="20130607160506" />
        </effectiveTime>
        <!-- The time when this was biologically relevant ie True
             for the patient. As a minimum time interval over which
             this is true, populate the effectiveTime/low with the
             current time.
             It would be equally valid to have a longer range of
             time over which this statement was represented as
             being true. As a maximum, you would never indicate
             an effectiveTime/high that was greater than the
             current point in time. This idea assumes that the
             value element could come from the Problem value set,
             or when negationInd was true, is could also come from
             the ProblemType value set (and code would be ASSERTION). -->
        <value xsi:type="CD"
             code="55607006"
             displayName="Problem"
             codeSystem="2.16.840.1.113883.6.96"
             codeSystemName="SNOMED CT">
          <originalText>
            <reference value="#problemType1" />
          </originalText>
        </value>
      </observation>
    </entryRelationship>
  </act>
 </entry>
</section>
```

2.54 Procedure Description Section

[section: identifier urn:oid:2.16.840.1.113883.10.20.22.2.27 (open)]

Table 180: Procedure Description Section Contexts

Contained By:	Contains:
Procedure Note (V3) (required) Operative Note (V3) (required)	

The Procedure Description section records the particulars of the procedure and may include procedure site preparation, surgical site preparation, pertinent details related to sedation/anesthesia, pertinent details related to measurements and markings, procedure times, medications administered, estimated blood loss, specimens removed, implants, instrumentation, sponge counts, tissue manipulation,