

- a. **SHALL** contain exactly one [1..1] @typeCode="SUBJ" Has Subject (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:81-8949).
- b. The target of an authorization activity with act/entryRelationship/@typeCode="SUBJ" **SHALL** be a clinical statement with moodCode="PRMS" Promise (CONF:81-8951).
- c. The target of an authorization activity **MAY** contain one or more performer, to indicate the providers that have been authorized to provide treatment (CONF:81-8952).

**Figure 130: Authorization Activity Example**

```
<act classCode="ACT" moodCode="EVN">
  <templateId root="2.16.840.1.113883.10.20.1.19"/>
  <id root="f4dce790-8328-11db-9fe1-0800200c9a66"/>
  <code nullFlavor="NA" />
  <entryRelationship typeCode="SUBJ">
    <procedure classCode="PROC" moodCode="PRMS">
      <code code="73761001"
        codeSystem="2.16.840.1.113883.6.96"
        codeSystemName="SNOMED CT"
        displayName="Colonoscopy"/>
    </procedure>
  </entryRelationship>
</act>
```

### 3.10 Boundary Observation

[observation: identifier urn:oid:2.16.840.1.113883.10.20.6.2.11 (open)]

**Table 240: Boundary Observation Contexts**

Contained By:	Contains:
<a href="#">Referenced Frames Observation</a> (required)	

A Boundary Observation contains a list of integer values for the referenced frames of a DICOM multiframe image SOP instance. It identifies the frame numbers within the referenced SOP instance to which the reference applies. The CDA Boundary Observation numbers frames using the same convention as DICOM, with the first frame in the referenced object being Frame 1. A Boundary Observation must be used if a referenced DICOM SOP instance is a multiframe image and the reference does not apply to all frames.

**Table 241: Boundary Observation Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:oid:2.16.840.1.113883.10.20.6.2.11)					
@classCode	1..1	SHALL		<a href="#">81-9282</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">81-9283</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = EVN
code	1..1	SHALL		<a href="#">81-9284</a>	
@code	1..1	SHALL		<a href="#">81-19157</a>	urn:oid:1.2.840.10008.2.16.4 (DCM) = 113036
value	1..*	SHALL	INT	<a href="#">81-9285</a>	

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:81-9282).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:81-9283).
3. **SHALL** contain exactly one [1..1] **code** (CONF:81-9284).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="113036" Frames for Display (CodeSystem: DCM urn:oid:1.2.840.10008.2.16.4 **STATIC**) (CONF:81-19157).

Each number represents a frame for display.

4. **SHALL** contain at least one [1..\*] **value** with **@xsi:type**="INT" (CONF:81-9285).

**Figure 131: Boundary Observation Example**

```
<observation classCode="OBS" moodCode="EVN">
  <templateId root="2.16.840.1.113883.10.20.6.2.11"/>
  <code code="113036" codeSystem="1.2.840.10008.2.16.4"
    displayName="Frames for Display"/>
  <value xsi:type="INT" value="1"/>
</observation>
```

### 3.11 Caregiver Characteristics

[observation: identifier urn:oid:2.16.840.1.113883.10.20.22.4.72 (open)]

**Table 242: Caregiver Characteristics Contexts**

Contained By:	Contains:
<a href="#">Functional Status Section (V2)</a> (optional) <a href="#">Functional Status Observation (V2)</a> (optional) <a href="#">Health Concern Act (V2)</a> (optional) <a href="#">Risk Concern Act (V2)</a> (optional) <a href="#">Social History Section (V3)</a> (optional)	