

4 UNSPECIFIED

4.1 Provenance - Assembler Participation (V2)

```
[participant: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.5.7:2020-05-19  
(open)]
```

This template represents the organization that supported generation of a CDA document. The Assembler Organization may be different than the Author Organization, and may be different from the Organization that developed the software used to generate the document.

This Participation is only for use in the CDA Header because it applies to the entire content in the document.

This template is consistent with the prior Assembler Document Participant (2.16.840.1.113883.3.5019.1.1) in the 2016 HL7 Data Provenance guide, however, makes no claim about representing the software organization. All constraints for conformance are defined in this template.

Note: The CDA Participant does not support a software device or the organization that created the software. The Assembler role can only be expressed at the level of organization. This is a known issue with the current CDA R2 model.

Note: The Provenance template title includes a version 2 to support moving from the 'Basic Provenance' guide to the this Companion Guide, so the templateId has not changed.

Table 97: Provenance - Assembler Participation (V2) Constraints Overview

XPath	Card.	Verb	Data Type	CONF#	Value
participant (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.5.7:2020-05-19)					
@typeCode	1..1	SHALL		4537-55	DEV
templateId	1..1	SHALL		4537-40	
@root	1..1	SHALL		4537-44	2.16.840.1.113883.10.20.22.5.7
@extension	1..1	SHALL		4537-33025	2020-05-19
functionCode	1..1	SHALL		4537-38	
@code	1..1	SHALL		4537-32972	assembler
@codeSystem	1..1	SHALL		4537-41	urn:oid:2.16.840.1.113883.4.642.4.1131 (ProvenanceParticipantType)
time	1..1	SHALL		4537-42	
associatedEntity	1..1	SHALL		4537-39	
@classCode	1..1	SHALL		4537-32973	OWN
scopingOrganization	1..1	SHALL		4537-43	
id	1..*	SHALL		4537-50	
name	1..*	SHALL		4537-51	
telecom	0..*	SHOULD		4537-52	
addr	0..*	SHOULD		4537-47	US Realm Address (AD.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2)

1. **SHALL** contain exactly one [1..1] **@typeCode**="DEV" Device (CONF:4537-55).
2. **SHALL** contain exactly one [1..1] **templateId** (CONF:4537-40) such that it
 - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.5.7" (CONF:4537-44).
 - b. **SHALL** contain exactly one [1..1] **@extension**="2020-05-19" (CONF:4537-33025).
3. **SHALL** contain exactly one [1..1] **functionCode** (CONF:4537-38).
 - a. This functionCode **SHALL** contain exactly one [1..1] **@code**="assembler" Assembler (CONF:4537-32972).
 - b. This functionCode **SHALL** contain exactly one [1..1] **@codeSystem** (CodeSystem: ProvenanceParticipantType urn:oid:2.16.840.1.113883.4.642.4.1131) (CONF:4537-41).
4. **SHALL** contain exactly one [1..1] **time** (CONF:4537-42).
5. **SHALL** contain exactly one [1..1] **associatedEntity** (CONF:4537-39).
 Note: The template does not require any elements from the associatedEntity since the information is recorded in the scopingOrganization.

- a. This associatedEntity **SHALL** contain exactly one [1..1] @classCode="OWN" Owned Entity (CONF:4537-32973).
- b. This associatedEntity **SHALL** contain exactly one [1..1] scopingOrganization (CONF:4537-43).
 - i. This scopingOrganization **SHALL** contain at least one [1..*] id (CONF:4537-50).
 - ii. This scopingOrganization **SHALL** contain at least one [1..*] name (CONF:4537-51).
 - iii. This scopingOrganization **SHOULD** contain zero or more [0..*] telecom (CONF:4537-52).
 - iv. This scopingOrganization **SHOULD** contain zero or more [0..*] US Realm Address (AD.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2) (CONF:4537-47).

Figure 62: Provenance – Assembler Participation Example

```
<participant typeCode="DEV">
  <templateId root="2.16.840.1.113883.10.20.22.5.7" extension="2020-05-19" />
  <functionCode code="assembler" codeSystem="2.16.840.1.113883.4.642.4.1131"
    codeSystemName="ProvenanceParticipantType"/>
  <time value="20191206011130-0400" />
  <associatedEntity classCode="OWN">
    <scopingOrganization>
      <!-- Represents the Assembler Organization -->
      <id root="2.16.840.1.113883.19.5" extension="4"/>
      <name use="L">Good Health HIE</name>
      <telecom value="tel:+1(202)776-7700" use="WP" />
      <addr use="WP">
        <streetAddressLine partType="SAL">555 Badger Way</streetAddressLine>
        <city partType="CTY">Amherst</city>
        <state partType="STA">WI</state>
        <postalCode partType="ZIP">01002</postalCode>
        <country partType="CNT">US</country>
      </addr>
    </scopingOrganization>
  </associatedEntity>
</participant>
```

4.2 Provenance - Author Participation (V2)

[author: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.5.6:2019-10-01
(open)]

This template represents the key information to record Provenance in an Author Participation. This Participation is appropriate at any place CDA allows an author. For example, at the CDA Header, CDA Section, CDA Entry, or within a CDA entry (e.g. Organizer and contained Observation(s)). This template is consistent with the C-CDA Author Participation, however, it doesn't use a formal 'conforms to' relationship. All constraints for conformance are defined in this template which specializes the Author Participation (2.16.840.1.113883.10.20.22.4.119).