

# Listing of Standards by Task

## *FULL DENTURES*

1. Disinfect the impression and/or model
2. Evaluate the prescription for completeness
3. Document changes to the prescription
4. Evaluate the impression or model for completeness
5. Create a master model
6. Fabricate custom trays
7. Construct an occlusal registration device
8. Send the occlusal registration device and models to the health professional for confirmation
9. Mount the models on an articulator
10. Select and set-up the teeth and wax-up dentures

## *FULL AND PARTIAL DENTURES*

11. Send denture wax-up to the health professional to verify set-up
12. Complete set-up adjustments
13. Seal wax on model and complete wax-up for processing
14. Prepare the denture for processing
15. Process the denture
16. Eliminate the wax
17. Evaluate the investing process
18. Create mechanical retention of the denture teeth, if needed
19. Apply the separating medium
20. Fill the mold with the required denture base material
21. De-flask the denture
22. Equilibrate occlusion
23. Remove the model from the denture, trim and polish
24. Determine the quality of the denture
25. Prepare the denture for shipping
26. Align and lute together broken denture components

**Condition:**

Given a shipment of an impression or model from a Health Professional

**Task:**

Disinfect the impression and/or model

**Criteria:*****Safety:***

- So that gloves are worn at all times until disinfecting is completed
- So that the disinfectant used is compatible with the impression and/or model
- So that manufacturer's specifications for the disinfectant used, are followed
- So that the packaging material that was in direct contact with the impression or model, is discarded
- So that the impression and/or model is disinfected according to the Universal Precautions -- at the minimum -- low level, as defined by the RCDSO guidelines, dated June 1995

***Timing:***

- Before proceeding any further

## Condition:

Given a prescription from a Health Professional

## Task:

Evaluate the prescription for completeness

## Criteria:

### *Technical Quality:*

- The Prescription must include:
  - ⇒ the patient's name or identification number
  - ⇒ the Health Professional's name
  - ⇒ type and/or description of prosthesis or treatment objectives
  - ⇒ shade
  - ⇒ date sent
- So that if in doubt, the dental technologist will consult the Health Professional before proceeding with the work

**Condition:**

Given that clarification and/or changes are needed due to an incomplete or unclear prescription from a Health Professional

**Task:**

Document changes to the prescription

**Criteria:*****Technical Quality:***

- So that any changes or modifications to a prescription or design as a result of discussion with the Health Professional, are documented and dated
- Documentation must include:
  - ⇒ date and time of discussion
  - ⇒ name of contact from Health Professional's office
  - ⇒ changes and modifications agreed to
  - ⇒ signature of the RDT or that of the person designated by the RDT

## Condition:

Given a prescription and impression or model from a Health Professional

## Task:

Evaluate the impression or model for completeness

## Criteria:

### *Technical Quality:*

- The impression or model must --
  - ⇒ not have any flaws and/or visible distortions that will affect the work to be done



**Condition:**

Given a complete prescription from a Health Professional, and impressions

**Task:**

Create a master model

**Criteria:**

***Technical Quality:***

- So that the model displays all anatomical tissue landmarks present in the impression
- So that the model is clear of voids, has no air bubbles, has a dense smooth surface and is a faithful reproduction of the impression

## Condition:

Given a complete prescription from a Health Professional, which includes the requirement for a custom tray, and an impression or model

## Task:

Fabricate custom trays

## Criteria:

### *Technical Quality:*

- So that the custom tray conforms with the anatomical outlines and landmarks provided on the preliminary model
- So that the custom tray provides proper design for the chosen material or impression technique to be used as prescribed

### *Safety:*

- So that materials used are either ADA, CDA, Health Canada or FDA approved
- So that if materials do not have either ADA, CDA, Health Canada or FDA approvals, the RDT must inform the prescribing Health Professional and record the Health Professional's approval and the materials used



**Condition:**

Given the prescription, master or working model and using materials as required by the prescribed technique

**Task:**

Construct an occlusal registration device

**Criteria:*****Technical Quality:***

- According to the technique specified in the prescription
- So that the occlusal registration device is "well fitting" as per the technique prescribed
- So that the occlusal registration device is constructed so as to enable health professional to establish the patient's jaw relationship

***Safety***

- So that materials used are either ADA, CDA, Health Canada or FDA approved
- So that if materials do not have either ADA, CDA, Health Canada or FDA approvals, the RDT must inform the prescribing Health Professional and record the Health Professional's approval and the materials used



## Condition:

Given a completed occlusal registration device and models

## Task:

Send the occlusal registration device and models to the Health Professional for confirmation

## Criteria:

### *Technical Quality:*

- Packing it so that it will be received by the Health Professional with no damage or distortion



**Condition:**

Given an occlusion registration device, models and prescription from a Health Professional and using an articulator

**Task:**

Mount the models on an articulator

**Criteria:**

***Technical Quality:***

- So that the patient's jaw relationship is established in accordance with the occlusal registration device provided by the Health Professional

## Condition:

Given the articulated models, occlusal registration device and the prescription from a Health Professional

## Task:

Select and set-up the teeth and wax-up dentures

## Criteria:

### *Technical Quality:*

- Following the Health Professional's prescription and/or instructions
- So that the shade of the teeth matches the prescription
- So that the mold is selected in accordance with the manufacturer's suggested criteria
- So that the teeth are set-up to achieve the required occlusal relationship
- So that wax-up is done according to anatomical requirements
- So that the aesthetic requirements specified by the Health Professional are met

**Condition:**

Given a completed denture wax-up

**Task:**

Send denture wax-up to the Health Professional to verify set-up

**Criteria:**

***Technical Quality:***

- Packing it so that it will be received by the Health Professional with no damage or distortion

**Condition:**

Given the waxed-up denture has been tried into the patient's mouth and any adjustments to the denture from the Health Professional are noted on the prescription

**Task:**

Complete set-up adjustments

**Criteria:**

*Technical Quality:*

- As noted on prescription
- So that any new instructions from the Health Professional are followed
- So that if the occlusal registration is different, the models are re-articulated and the denture teeth are reset

**Condition:**

Given the waxed-up denture has been tried into the patient's mouth and is ready for processing

**Task:**

Seal wax on model and complete wax-up for processing

**Criteria:**

*Technical Quality:*

- So that the denture is sealed onto the model according to the technique prescribed
- So that the borders and palate are fully waxed

**Condition:**

Given a full denture sealed on the model and materials dictated by the processing technique

**Task:**

Prepare the denture for processing

**Criteria:**

***Technical Quality:***

- According to the processing technique
- So that none of the denture teeth move
- So that all dimensions are preserved

**Condition:**

Given denture ready for processing

**Task:**

Process the denture

**Criteria:**

***Technical Quality:***

- According to the technique and/or manufacturer specifications



**Condition:**

Given an invested and waxed-up denture

**Task:**

Eliminate the wax

**Criteria:**

***Technical Quality:***

- So that there is no residue of wax left in the mold

**Condition:**

Given a clean mold

**Task:**

Evaluate the investing process

**Criteria:**

***Technical Quality:***

- So that there are no voids or defects in the mold and teeth are secure

**Condition:**

Given a clean mold

**Task:**

Create mechanical retention of the denture teeth, if needed

**Criteria:**

*Technical Quality:*

- So there are undercuts in the denture teeth or the teeth are roughened
- So that the surface area of the ridge lap is increased

**Condition:**

Given a clean mold with post dam areas established and a separating medium

**Task:**

Apply the separating medium

**Criteria:**

*Technical Quality:*

- So that the denture teeth are free of separating medium
- According to manufacturer's specifications
- So that the mold will separate from the denture base material

**Condition:**

Given a mold, the equipment and material required by the selected technique

**Task:**

Fill the mold with the required denture base material

**Criteria:**

***Technical Quality:***

- According to the manufacturer's specifications
- So that the denture has no porosity
- So that the curing process is followed correctly according to the manufacturer's specifications thereby ensuring that there will be no more than a 1 millimeter anterior opening in the processed denture

***Safety:***

- So that materials used are either ADA, CDA, Health Canada or FDA approved
- So that if materials do not have either ADA, CDA, Health Canada or FDA approvals, the RDT must inform the prescribing Health Professional and record the Health Professional's approval and the materials used

**Condition:**

Given a processed denture

**Task:**

De-flask the denture

**Criteria:**

***Technical Quality:***

- According to the technique being used
- So that denture and model are retrieved from the mold without damage to the denture
- So that the model can be re-positioned on the original articulator mounting

**Condition:**

Given a de-flasked denture, model and the original articulator mounting

**Task:**

Equilibrate occlusion

**Criteria:**

***Technical Quality:***

- So that the occlusion is re-established to the verified occlusal registration

**Condition:**

Given an equilibrated denture, polishing stones, wheels, burs and polishing media

**Task:**

Remove the model from the denture, trim and polish

**Criteria:*****Technical Quality:***

- So that the model is removed without damage to the denture
- So that the denture is trimmed to re-establish anatomical contours and aesthetics
- So that the denture is polished till it is free of scratches
- So that those areas of the denture that come in contact with the tissue have not been changed
- So that the denture is clean and ready for shipping



**Condition:**

Given the clean denture and a Health Professional's prescription

**Task:**

Determine the quality of the denture

**Criteria:**

***Technical Quality:***

- The denture must be correct in accordance with the prescription
- The denture must fulfil the required intra-oral function and intent of the prescription

**Condition:**

Given a polished, clean denture, and denture shipping bag and/or container

**Task:**

Prepare the denture for shipping

**Criteria:**

***Technical Quality:***

- Packing it so that it will be received by the Health Professional with no damage or distortion

**Condition:**

Given a broken denture that can be assembled without impression

**Task:**

Align and lute together the denture components

**Criteria:**

*Technical Quality:*

- So that the broken components are aligned to replicate the original denture base

*Safety:*

- So that the materials used are either ADA, CDA, Health Canada or FDA approved
- So that if materials do not have either ADA, CDA, Health Canada or FDA approvals, the RDT must inform the prescribing Health Professional and record the Health Professional's approval and the materials used