

# CNSP – Production Practice Test

## Instructions

This packet contains sample items for the CNSP – Production test. The items contained in this packet are meant to provide individuals with an idea of what to expect when they take the test. Answers for the sample items are listed on the last page.

There are two sections to the test:

### Team Member Assessment Test Description

This online test simulates a series of manufacturing tasks and activities. All candidates will have the opportunity to go through an online tutorial and complete some practice questions before beginning the actual test. Below are descriptions of each test section and examples of the types of questions on this test.

The questions in this test are divided into five sections.

#### 1. Product Classification

This section measures your ability to match product features to product models. You will first review a list of products and product features and then you will be asked to select the relevant product features for a series of images of products.

#### 2. Initial Assembly

This section measures your ability to quickly and accurately follow a plan to build a model while monitoring the quality of the component parts. You will be shown two models: the assembled frame (example) and the unassembled frame with a supply of parts. You will be asked to follow a structured work process, including conducting a quality check on each part, to assemble the frame using the available parts.

#### 3. Process Monitoring

This section measures your ability to monitor and correct out-of-range variances. You will be shown a panel of gauges used to monitor a manufacturing process. For each gauge panel you will be asked to determine if any of the gauges are outside of acceptable tolerance limits. The tolerance limits will be provided for each gauge.

#### 4. Final Assembly

This section measures your ability to quickly and accurately adapt to changing assembly requirements. You will be asked to build five different products while managing your parts supply and requesting parts refills as needed.

#### 5. Quality Assurance

This section assesses your ability to spot errors in finished products. You will be asked to examine finished products to determine if the products comply with quality standards.

### **Team Member Career Battery Description**

This is a test of your ability to work within a team environment. This Team Member Career Battery, or “TMCB,” contains questions about your reactions to common work situations and your prior experiences in actual work situations.

The questions in this battery are divided into three sections.

1. The first section asks you to rate the effectiveness of each action for accomplishing the stated goal using a 5 point scale.

1	2	3	4	5
Very Ineffective	Somewhat Ineffective	Neither Effective nor Ineffective	Somewhat Effective	Very Effective

2. The second section asks you to indicate how strongly you agree or disagree with each statement using a 5 point scale.

1	2	3	4	5
Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree


3. The final section asks you to answer multiple choice questions based on your prior work experience.

# Team Member Assessment- Example Items

## 1. Product Classification Exercise

**Team Member Assessment**

This page illustrates another situation where you are looking at information and making decisions based on that information.



**Feature List**

- Wheel
- Wing
- Door

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Select the appropriate features for the image

Use the table below to determine which features are applicable to the image above. Then, in the Feature List, select the checkbox next to each feature associated with the image. When you finish selecting features for an image, click Next Screen to go to the next image. Select the applicable features for the next image, and then click Next Screen to proceed to the next page of the tutorial.

Feature	Train	Plane
Wheel	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Wing	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Door	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## 2. Initial Assembly Exercise

### Team Member Assessment

The interface displays four main sections: 'CURRENT FRAME' with a target assembly image, 'QA CHECK' with a red and green light indicator, 'FRAME' with a partially assembled unit, and 'PARTS BIN' with various components. A 'TRASH CAN' is also visible. Below the trash can, it says 'Frames Completed: 0'. A 'FRAME COMPLETE' button is located below the main frame image.

[Review Instructions](#)

#### Station 2: Initial Assembly – Practice Exercise

Place the parts from the parts bin in their proper place on the product frame. Use the completed product frame in the Current Frame display as a model for what you are building.

You should run each part through a quality assurance (QA) check before you place it on the product frame. If a part receives a red light when it is placed in the QA bin, do **not** place it on the product frame. Instead, place it in the Trash Bin. If a part receives a green light when it is placed in the QA bin, you can place it on the product frame.

When you finish assembling a product, click Frame Complete to begin building another one.

You have **two minutes** to accurately complete as many products as possible. A timer at the top left of the screen shows your remaining time throughout the exercise. You can review the detailed instructions on the previous page during the exercise by

See below for an example of how to complete this exercise:

### Team Member Assessment

The interface is annotated with red numbers and arrows: 1 points to the 'CURRENT FRAME' image; 2 points to a part in the 'PARTS BIN'; 3a points to the 'FRAME' image; 3b points to the 'TRASH CAN'; and 4 points to the 'FRAME COMPLETE' button. The 'CURRENT FRAME' image is circled in red, and the 'FRAME COMPLETE' button is also circled in red.

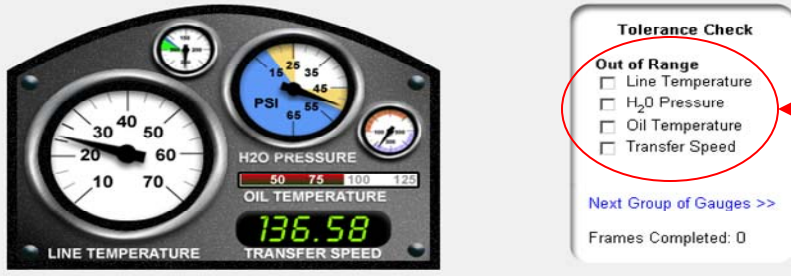
1. Look at Current Frame to see what parts need to be placed on frame.
2. Select part and then drag this part to the QA check.
- 3a. If light is Green, place part on Frame.
- 3b. If light is red, place part in Trash Can.

Repeat steps 1-3 until Frame matches Current Frame image.

4. Click Frame Complete

### 3. Process Monitoring

Team Member Assessment



**Tolerance Check**

**Out of Range**

- Line Temperature
- H<sub>2</sub>O Pressure
- Oil Temperature
- Transfer Speed

[Next Group of Gauges >>](#)

Frames Completed: 0

Select the out of range gauges.

[Review Instructions](#)

**Station 3: Processing - Timed Exercise**

**Tolerance Limits**

<b>Line Temperature:</b>	25° to 35°F	<b>H<sub>2</sub>O Pressure:</b>	20 PSI to 28 PSI
<b>Oil Temperature:</b>	75° to 100°F	<b>Transfer Speed:</b>	134.22 to 136.34

Compare the readings for each labeled gauge display (Line Temperature, H<sub>2</sub>O Pressure, Oil Temperature, Transfer Speed) to the tolerance limits provided in the section below the gauge panel.

Gauge displays are "Out of Range" if their values are **either higher or lower** than the limits shown in the Tolerance Limits section. Indicate out-of-range gauge or gauges by selecting the appropriate checkboxes in the Out of Range list.

When you finish indicating the Out of Range gauges, click the Next Group of Gauges link to proceed.

You have **six minutes** to review as many gauges as possible. A timer at the top left of the screen shows your remaining time throughout the exercise. You can review the detailed instructions for this exercise by clicking Review Instructions, however the timer will continue running while you review the instructions.

## 4. Final Assembly

**Team Member Assessment**

UPCOMING FRAME

CURRENT FRAME

FRAME

TRASH CAN

Frames Completed: 0

FRAME COMPLETE

PARTS BIN

ADD MORE 12

ADD MORE 6

ADD MORE 24

ADD MORE 12

ADD MORE 10

ADD MORE 8

[Review Instructions](#)

**Station 4: Final Assembly – Practice Exercise**

Move parts from the parts bin into their proper place on a product frame. Use the completed product frame in the Current Frame display as a model for what you are building.

Add more parts when necessary based on the number of parts available and the parts that will be needed for Upcoming Frames. Avoid letting the parts bins reach zero if possible.

When you finish assembling a product, click Frame Complete to begin building another one.

You have **two minutes** to complete as many products as possible. A timer at the top left of the screen shows your remaining

See below for an example of how to complete this exercise:

**Team Member Assessment**

UPCOMING FRAME

CURRENT FRAME

FRAME

TRASH CAN

Frames Completed: 0

FRAME COMPLETE

PARTS BIN

ADD MORE 12

ADD MORE 6

ADD MORE 24

ADD MORE 12

ADD MORE 10

ADD MORE 8

1. Look at Current Frame and Upcoming Frame to see what parts need to be placed on frame.
  - 1a. If there aren't enough of a part to build the current or upcoming frame, click Add More for that part.
2. Select part and then drag this part to the Frame.
3. If a part doesn't match Current Frame image, place it in the Trash Can.

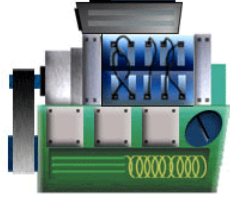
Repeat steps 1-3 until Frame matches Current Frame image.

4. Click Frame Complete

## 5. Quality Assurance

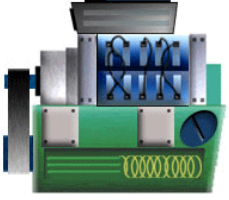
### Team Member Assessment

**MODEL FRAME**



**MODEL 404hP**

**PRODUCTION FRAME**



**Possible Errors**

- No Errors
- Alignment Error
- Omission Error
- Swap Error

[Next Comparison >>](#)

Frames Completed: 0

[Review Instructions](#)

**Station 5: Quality Assurance – Timed Exercise**

Using the Possible Errors list, select the errors (if any) that occur in the Production Frame. Use the Model Frame as an example of what the completed frame should look like without errors. If a Production Frame has no errors, select the No Errors checkbox.

When you complete your selections, click the Next Comparison link. Once you move to the next comparison, you cannot go back and change your answers.

You have **six minutes** to select the errors for as many products as possible. Your remaining time is displayed at the top left corner of the screen. You can review the detailed instructions for this exercise by clicking Review Instructions, however the timer will continue running while you review the instructions.

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Select errors that are present.

**Team Member Career Battery Example Items**

6. For the past few months, you have been working on a project with four colleagues. Throughout the project, one of your colleagues, Cindy, has consistently come to you for help in accomplishing her tasks on the project. You barely have had enough time to complete your own tasks, and she’s constantly asking you to help her with hers. The deadline is now approaching, and you don’t know if you’ll have time to continue helping her. The best course of action in this situation is to:
- A. Simply tell Cindy that you can no longer help her.
  - B. Continue devoting the same amount of time to helping Cindy, regardless of the effect on meeting the deadline.
  - C. Take time to properly show Cindy how to accomplish the tasks she still needs to finish and then let her finish them on her own.
  - D. Tell the other team members about the situation and ask for their help in finishing your tasks while you devote time to helping Cindy.

**Rate the effectiveness of each action in the following list for dealing with a difficult coworker.**

1	2	3	4	5
Very Ineffective	Somewhat Ineffective	Neither Effective nor Ineffective	Somewhat Effective	Very Effective

- 7. Speaking to your supervisor about your teammate’s working style.
- 8. Letting your coworker know that you are bothered by his or her behavior.
- 9. Asking your coworker if there is anything that you can do to make it easier to work together.

**Indicate how strongly you agree or disagree with each statement using the scale below.**

1	2	3	4	5
Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree

- 10. I can clearly express my thoughts and opinions to others.
- 11. I should be allowed to do anything I want while at work.
- 12. I prefer finishing a job myself instead of leaving it to someone else to finish.



### **Answers to Example Items**

- 1) Wheel, Wing and Door should be checked
- 2) N/A
- 3) Line Temperature, H<sub>2</sub>O Pressure and Transfer Speed
- 4) N/A
- 5) Omission Error
- 6) C

Items 7-12 have no single correct answer. Candidates should respond to these items based on their own work experiences.