

Supplemental Material S4

Survey 2

Your responses to this survey are anonymous and cannot be linked to your identity in any way.

Participant # _____

Section 1: Knowledge Test

The following questions relate to the computer-based training you completed earlier. This section is scored. It is important for our study that you do your best to provide the correct answers for each question.

(Declarative Knowledge – Posttest)

Which of the following is a station that is available for you to select when joining/rejoining the ship?

- ☐ Engineering
- ☐ Captain
- ☐ Pilot
- ☐ Viewscreen

Which of the following is a station that is available for you to select when joining/rejoining the ship?

- ☐ Science
- ☐ Captain
- ☐ Guide
- ☐ Mechanic

During the game, when can the Engineer switch to a new station?

- ☐ Anytime a station is unoccupied
- ☐ Anytime the Captain "Allows" the switch
- ☐ Anytime during the game as long as a repair isn't in progress
- ☐ Anytime the ship is in a neutral "uncontested" zone

In the image below which station are you currently **occupying**?



- ☐ Science
- ☐ Helm

- ☐ Engineering
- ☐ Tactical

Which of the enemy ships has the worst defenses and is easiest to destroy?

- ☐ Fighter
- ☐ Cruiser
- ☐ Drone
- ☐ Station

When a ship is cloaked you can do which of the following actions?

- ☐ Disrupt Cloak
- ☐ Scan
- ☐ View on screen
- ☐ Drain Shields

Which station is responsible for aiming the front of the ship towards the enemy ship being targeted?

- ☐ Helm
- ☐ Tactical
- ☐ Engineering
- ☐ Captain

What action is taken to increase the speed of the ship?

- ☐ Scroll up
- ☐ Zoom out
- ☐ Press the up arrow
- ☐ Press the space bar

Which station is responsible for communicating to the other team members which ships are attacking?

- ☐ Tactical
- ☐ Helm
- ☐ Captain
- ☐ Engineering

Which of the following has the longest cool down time?

- ☐ Torpedoes
- ☐ Beam Lasers
- ☐ Boosters
- ☐ Thrusters

Which station is responsible for communicating to the other team members the current health of the ship?

- ☐ Engineering
- ☐ Helm
- ☐ Captain
- ☐ Science

Which station can teleport the ship across large distances?

- ☐ Engineering
- ☐ Helm
- ☐ Captain
- ☐ Tactical

Which station is responsible for communicating to the other stations the health of an enemy ship?

- ☐ Science
- ☐ Engineering
- ☐ Tactical
- ☐ Captain

Which is the only station that can hack an enemy ship to temporarily disable their Weapons, Shields, or Engines?

- ☐ Science
- ☐ Engineering
- ☐ Tactical
- ☐ Captain

Which is the only station that can bring the ship to an immediate halt?

- ☐ Helm
- ☐ Captain
- ☐ Engineering
- ☐ Science

Which of the following keys would roll the ship right?

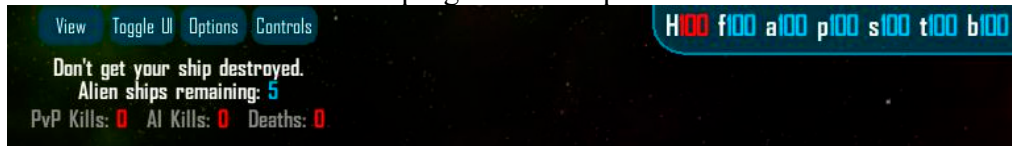
- ☐ E
- ☐ R
- ☐ X
- ☐ >

Which station needs to know the frequency of an attacking ship?

- ☐ Tactical
- ☐ Helm

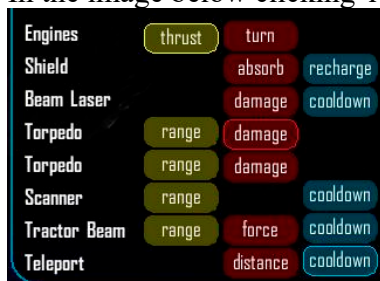
- ☐ Engineering
- ☐ Science

What do the red letters in the top right corner represent?



- ☐ Hull
- ☐ Helm
- ☐ Hit Points
- ☐ Healing

In the image below clicking 'range' will take the boost off which of the following?



- ☐ thrust
- ☐ turn
- ☐ damage
- ☐ cooldown

Which station does the Tactical station need to communicate with to boost their cooldown?

- ☐ Engineering
- ☐ Helm
- ☐ Science
- ☐ Captain

Which station can use a tractor beam to push or pull another ship?

- ☐ Science
- ☐ Engineering
- ☐ Tactical
- ☐ Helm

Which of the following must happen before a Scan action can be done?

- ☐ The enemy must be within range
- ☐ The scan action must be boosted
- ☐ The enemy ship must be in view

☐ The ship must not be under attack

Which of the following races represents their fleet with ships colored yellow?

- ☐ Zurna
- ☐ Udu
- ☐ Santoor
- ☐ Davul

Which race has blue ships?

- ☐ Udu
- ☐ Davul
- ☐ Zurna
- ☐ Hive

Which race rivals the Santoor?

- ☐ Udu
- ☐ Davul
- ☐ Hive
- ☐ Zurna

Which race has the capabilities of using a phase shift?

- ☐ Udu
- ☐ Davul
- ☐ Zurna
- ☐ Santoor

Section 2. Training Debriefing

In this section please explain your understanding of the activity you participated in.

(Debriefing Emotion)

What type of emotional responses did you have to the activity? _____

(Debriefing Group/Individual)

How do you think working **with a group/or individually** impacted your experience in the activity? _____

*All of the following measures use a 5-point scale
Strongly Disagree, Disagree, Neither Agree nor Disagree, Agree, Strongly Agree*

Section 3: Activity Response

The following questions relate to your **reactions and experiences in the activity.**

(Psychological Meaning)

- _____ My time was well spent in the activity.
- _____ Doing the activity was a meaningful experience.
- _____ My time doing the activity was **NOT** well spent. (R)
- _____ Doing the activity was worthwhile.
- _____ The activity was important to me.

(Perceived Enjoyment)

- _____ I was very satisfied with this activity.
- _____ I had a very positive experience in this activity.
- _____ I really enjoyed this activity.
- _____ This activity was very fun.
- _____ I would enjoy doing this activity again.
- _____ This activity was a waste of my time. (R)

(Motivation)

- _____ The activity was interesting to me.
- _____ The activity was dry and unappealing. (R)
- _____ This activity stimulated my curiosity.
- _____ The activity was repetitive. (R)
- _____ The variety of tasks in the activity helped keep my attention.
- _____ The activity was boring. (R)

(Emotional Engagement)

- _____ I was enthusiastic in this activity. (Emotion)
- _____ I felt energetic in this activity. (Emotion)
- _____ I was interested in this activity. (Emotion)
- _____ I felt proud of my work in this activity. (Emotion)
- _____ I felt positive about this activity. (Emotion)
- _____ I felt excited about this activity. (Emotion)

(Physical Engagement)

- _____ I worked with intensity in the activity. (Physical)
- _____ I exerted my full effort in the activity. (Physical)
- _____ I devoted a lot of energy to the activity. (Physical)
- _____ I tried my hardest to perform well in the activity. (Physical)
- _____ I strove as hard as I could to complete the activity. (Physical)
- _____ I exerted a lot of energy in this activity. (Physical)

(Cognitive Engagement)

- _____ During this activity, my mind was focused on the task at hand. (Cognitive)
- _____ During this activity, I paid a lot of attention to the task at hand. (Cognitive)
- _____ During this activity, I focused a great deal of attention on the task at hand. (Cognitive)
- _____ During this activity, I was absorbed by the task at hand. (Cognitive)
- _____ During this activity, I concentrated on the task at hand. (Cognitive)
- _____ During the activity, I devote a lot of attention to the task at hand. (Cognitive)

(Perceived Value)

- _____ It is clear to me how the content of this activity is related to things I already know.
- _____ There were aspects of this activity that could be important to some people.
- _____ The content of this activity is relevant to my interests.
- _____ The content of this activity is worth knowing.
- _____ The content of this activity was not relevant to my needs. (R)
- _____ The content of this activity will be useful to me.

(Active Learning)

- _____ I explored my own strategies in the activity.
- _____ In the activity I sought my own answers.
- _____ In the activity I solved my own problems.

Thank you for completing this survey.

Click the link below. You will be redirected to a short video describing the purpose of our study. When the video is done please let the researcher know and they will provide you with instructions for what to do next.

<https://youtu.be/jEbg8hdDPog>