

Network Training Event Overview

Presentation by OSU Marine Technician Group



Oregon State University
Ecampus

Jeff Whiteside's break out session 2019

- Jeff Whiteside presents a Friday break out session at RVTEC 2019
- Multiple attendees vocalized the benefit of the Friday session and the desire to see more training on the topic within the fleet
- OSU Marine Technician Group begins to organize an event to expand on Jeff Whiteside's presentation



**February 17th -19th
2020**

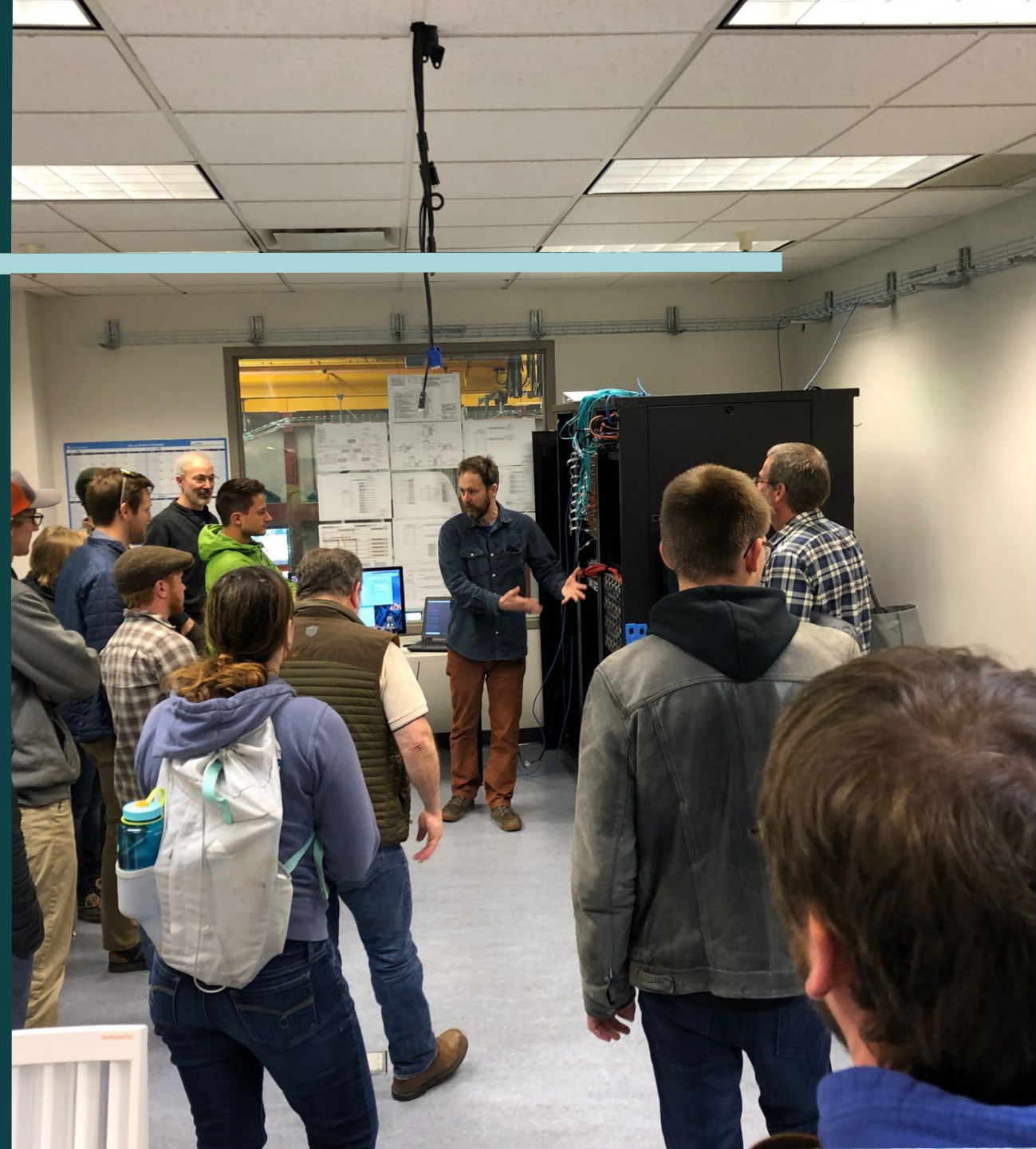
2.5-day event covering an introduction to network organization and administration

30 marine technicians from 8 institutions, NOAA, and UNOLS tech pool



RCRV break out session

- Data presence shore side computer cluster
- Sensor calibration and testing lab
- Ability to test equipment before it is installed on the new RCRVs
- Host training sessions for the marine technicians of the operating institutions.



How do we quantify the success of this event?

Initial Survey



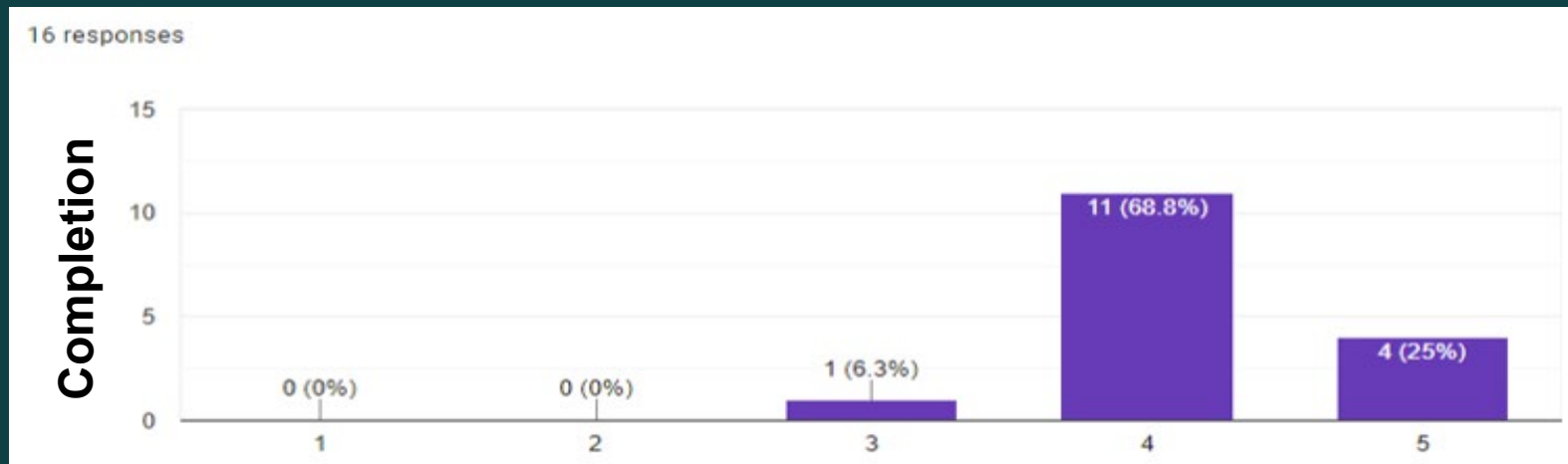
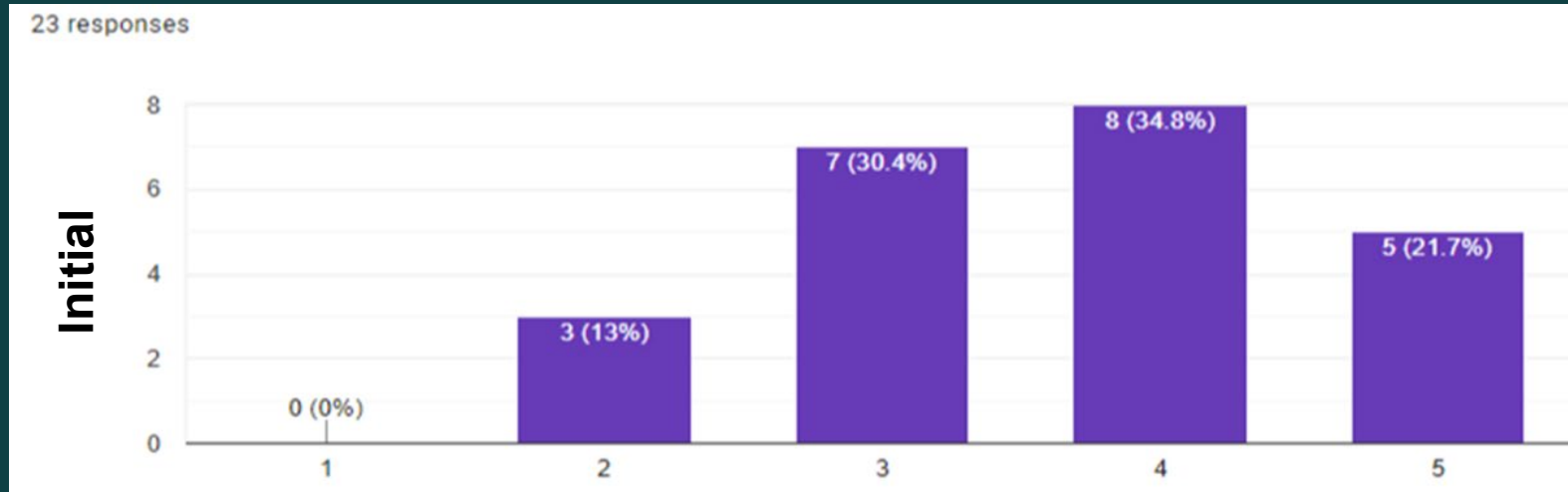
**Event with
controlled Q&A
sessions**



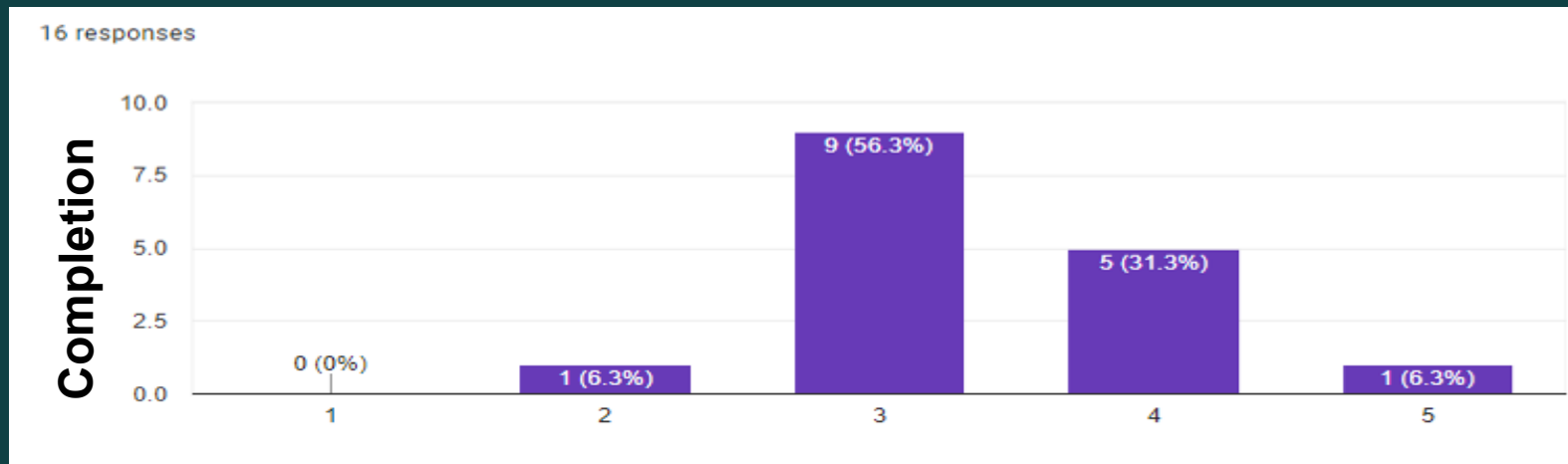
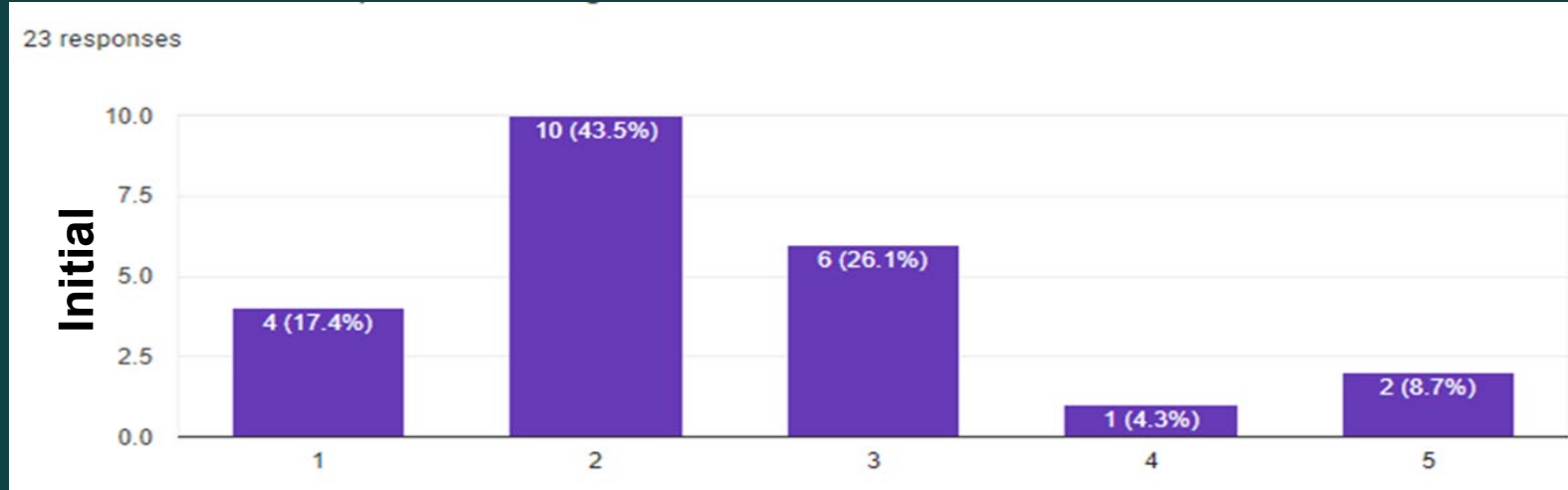
Final Survey



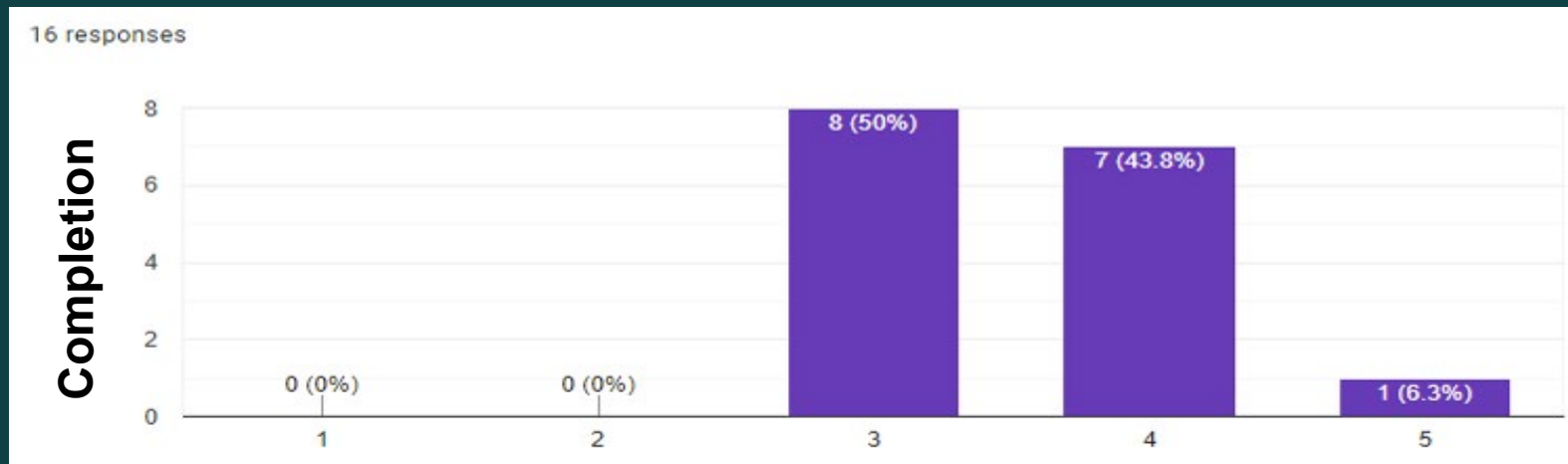
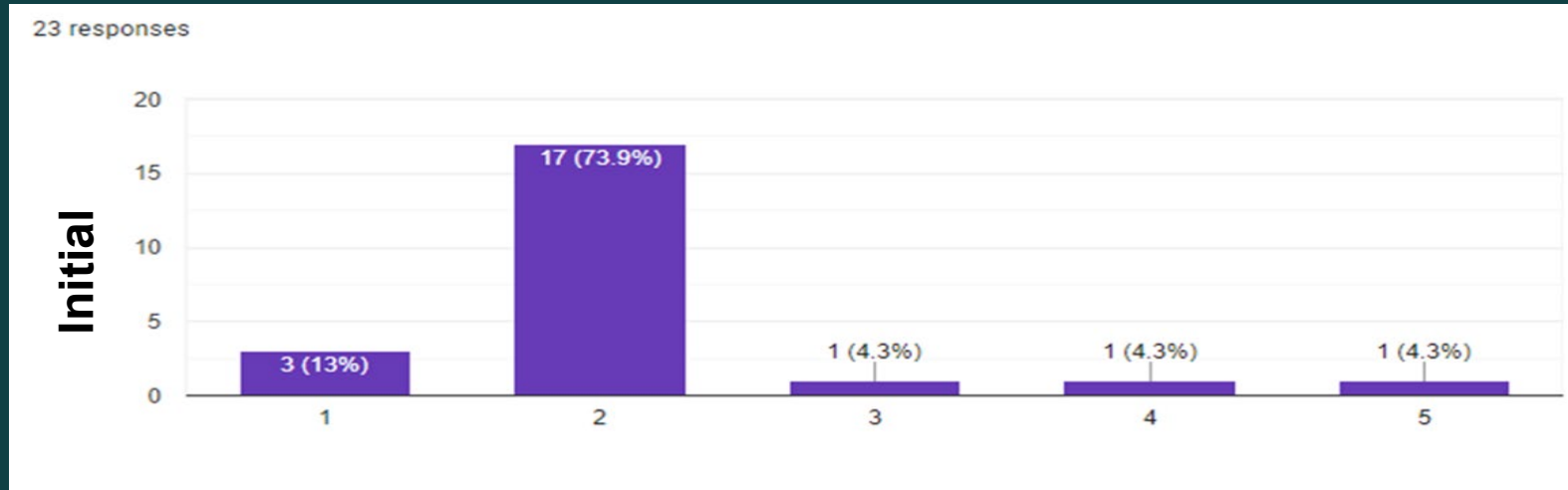
How familiar are you with basic networking terminology (DHCP, IP addresses, VLANs, etc.)?



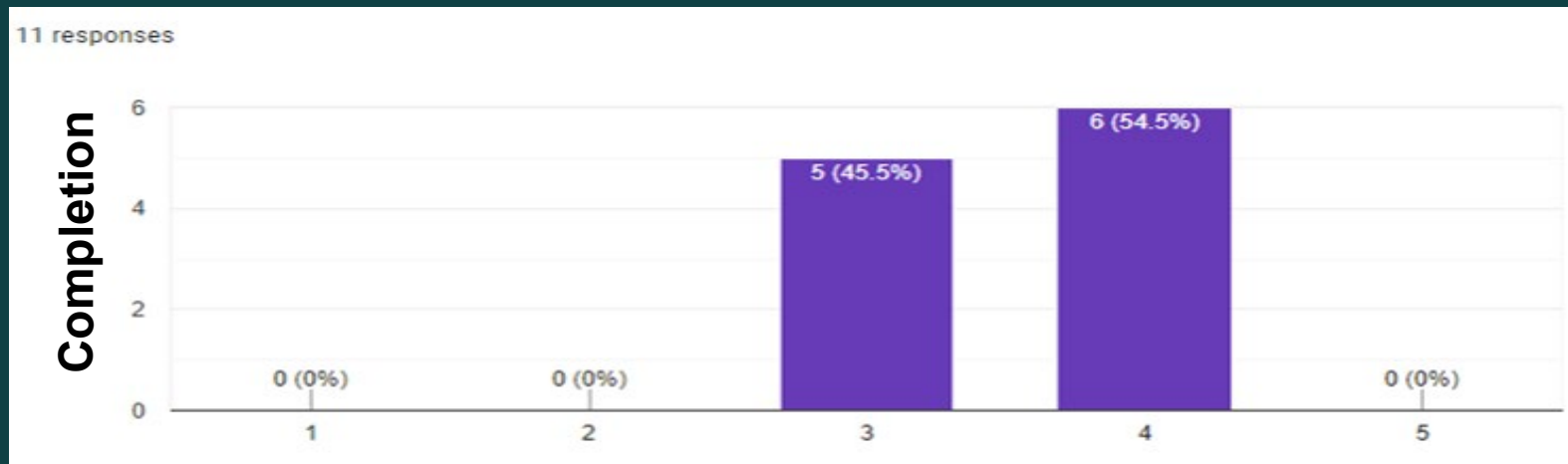
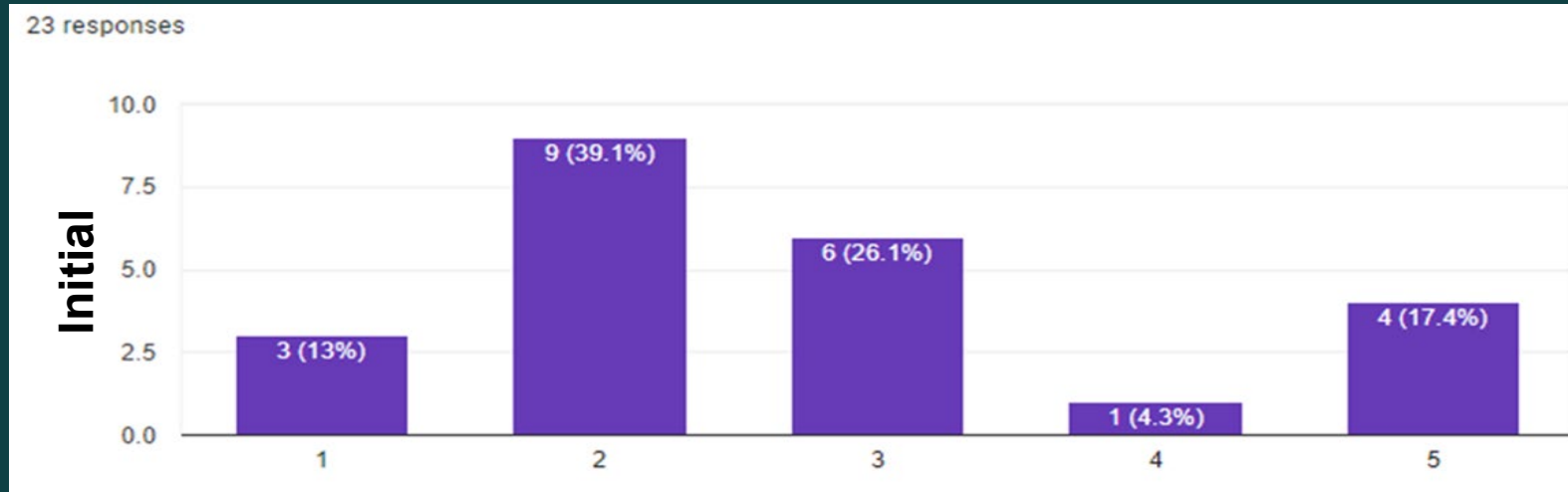
How comfortable are you with solving issues on a network?



How familiar are you with network diagnostic tools?



How confident are you in discussing how your shipboard network is configured?



Was your initial learning objective addressed during this training event?

■ Out of the 16 responses, 15 agreed that their initial learning objectives were met.





“I learned a lot; I came in with very little formal training on network architecture and troubleshooting so I found all the information valuable!”

“I wasn’t expecting to learn as much about network hardware troubleshooting as I did. A lot of the troubleshooting tools described in the training seemed to be geared towards finding faulty network hardware. A part of the troubleshooting puzzle I knew nothing about fixing beforehand.”

“Sooooo many techs have the same challenge and the same questions. This subject matter is a difficulty that spans the whole fleet and all levels of experience”

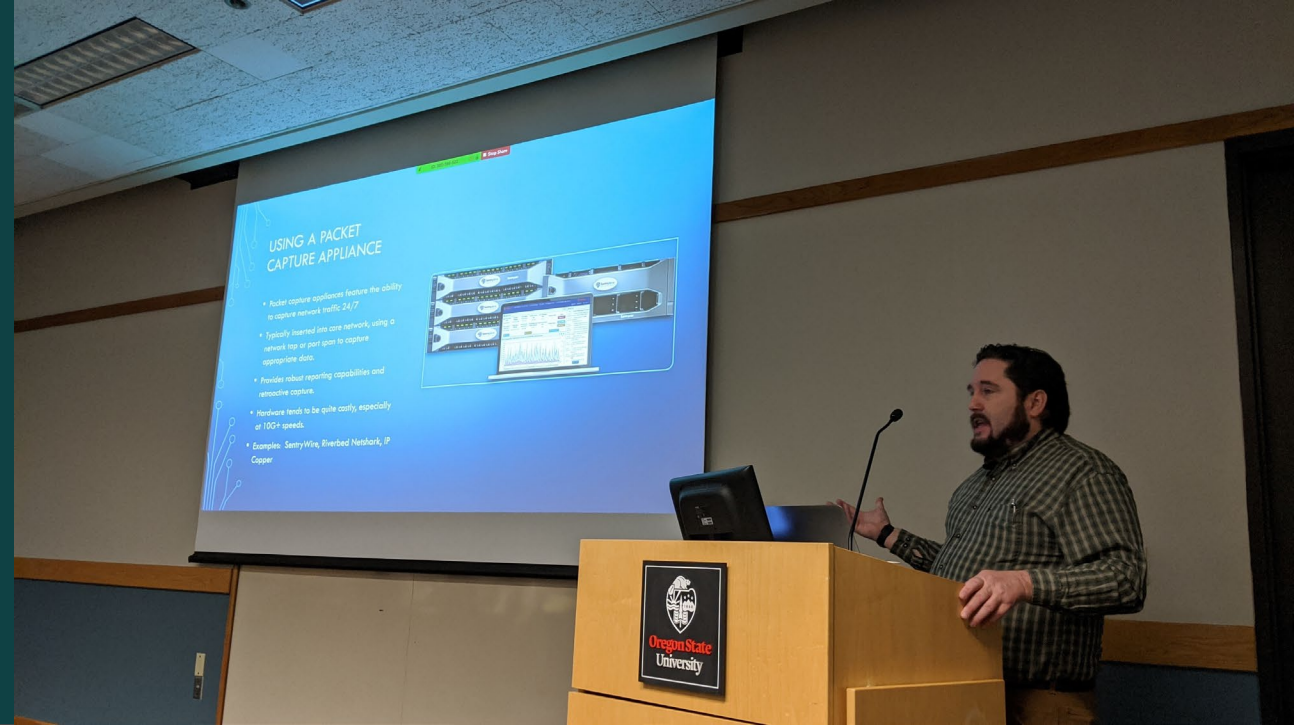


**How do we make this
training more
accessible?**

Topic Specific Training Videos

- We placed a directional microphone on Jeff during the presentation, this allowed us to capture clean audio.
- Using the supplied power point we were able to break down the videos into sections clearly defined by Jeff's expertise
- Overlaying the clean audio onto Jeff's power point allowed for easy to follow along training videos; this was also why we kept Q&A to the end of each section.
- Videos are between 5 -20 minutes long allowing for viewer to tailor their learning experience

Moving Forward



Annual trainings?

More in-depth sessions?

Sessions tailored to experience level?





“For future network training: maybe have a longer course (or two classes back to back) where you can get into more of the nitty gritty and/or be able to discuss common RV network equipment, like Peplink, a bit more.”

“More talk about shipboard specific network organization”

“You can never go wrong with more real-world examples/"hands on" stuff”

“This was one of the best and most relevant trainings I've ever attended with regards to shipboard networks and technician specific troubleshooting”



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