

MICS Lab 2 Completion

Open up the Virtual Engine Room and [this document](#) and follow the steps to experiment with the electrical systems in our simulation environment.

1. Email *

2. Were you able to start and stop both DGs and the EG?

5 points

Mark only one oval.

☐ Yes

☐ No

3. What happened (in step 3) when DG2 was in Standby and the SG wasn't providing enough power via the main engine? Make some guess about why. (look at the Alarm List)

5 points

4. Did it make a difference if DG2 was already started (in step 5) before winding down the main engine? 5 points

Mark only one oval.

☐ No

☐ Yes

5. Were you able to have the EG automatically start (step 7)? 5 points

Mark only one oval.

☐ Yes

☐ No

6. What happened (in step 13) when DG1 was online and connected to the Main Bus before winding down the main engine? Why? 5 points

7. What happened (in step 15) when DG1 was online and connected to the Main Bus and DG2 was in Standby before causing DG1 to shut down? Why? 5 points

8. What changed (in step 16) the SG is used as the Standby Generator instead? Why? 5 points

9. Did you watch the [Synchronizing YouTube Video](#)? 5 points

Mark only one oval.

☐ Yes

☐ No

10. Were you able to manually synchronize one ore more of the Generators. 5 points

Mark only one oval.

☐ Yes

☐ No

11. What other kinds of attacks or effects could a malicious actor do with access to our simulated ships' electrical system?

5 points

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