Basic Questions about the Mission

#	Questions	Answer Options
1	How many different event notifications did you receive during the mission?	1
		2
		3
		4
2	Which of the following incidents did you receive notifications for?	Mist Detected
		Person Detected
		Path Conflict with Another Drone
		Mechanical Failure / Returning to Home
		Not Sure / None of the Above
3	Did you observe any noteworthy events for which you did not receive a notification?	Yes
		No
4	Which of the following events did you observe without receiving a notification?	A person moving in one of the video streams
		misty weather conditions in one of the videos
		Drone flying too close to each other appeared to collide
		Mechanical Failure / Returning to Home
		None of the Above

Questions Specific to Mist Detection Event

#	Questions	Answer Options
1	A drone reported that it detected mist in the environment. Do you believe the drone's report was accurate?	Yes
		No
		Not Sure
2	What did the drone want to do when it notified you that it had detected mist in the environment? Select the best option from below.	fly slowly at a lower altitude
		fly faster at a higher altitude
		I am not sure!
3	What happened to the drone's speed after it informed you of the misty weather conditions?	Velocity increased
		Velocity decreased
		Velocity did not change by more than 1 mph
		I didn't notice the change in drone's velocity
4	What happened to the drone's altitude after it informed you of the misty weather conditions?	Altitude increased
		Altitude decreased
		Altitude did not change by more than 1 meters
		I didn't notice the change in drone's altitude
5	Why did the drone want to change its behavior after informing you of the misty weather conditions?	To increase the visibility of the ground
		to wait for the mist to disappear
		Not sure
6	The drone reported that there was mist, but I did not notice any change in weather on its video stream.	Agree
		Disagree
		Not Sure!
7	Did you look at the video to verify if the drone's report regarding the misty weather conditions was accurate?	Yes
		No
		Not Sure!
8	Which of the following best describes the reason that you did not check the video?	My attention was focused elsewhere (e.g., on the map)
		I trusted the drones' report and didn't feel the need to check the video
		I didn't find much time to check the video.
9	As the remote pilot would you have liked to override the decisions that the drone made when it detected the mist?	Yes
		No
		Not Sure

Questions Specific to Person Detection Event

#	Questions	Answer Options
1	A drone reported that it detected a person on the ground. Do you believe the drone's report was accurate?	Yes
		No
		Not Sure!
2	Did you check the video stream to verify if the drone's report regarding the person detection was accurate?	Yes
		No
		Not Sure!
3	Which of the following best describes the reason that you did not check the video?	My attention was focused elsewhere (e.g., on the map)
		I trusted the drones' report and didn't feel the need to check the video
		I didn't find much time to check the video.
4	What happened to the drone's velocity after detecting the person?	Increased
		Decreased
		No Change
		Didn't Observe the velocity
5	What happened to the drone's altitude after detecting the person?	Increased
		Decreased
		No Change
		Didn't Observe the altitude
6	What did the drone want to do when it notified you that it had detected a person? Select the best option from below.	Track the person
		Stay in-place
		I didn't understand the complete explanation provided by the drone
		The drone did not provide any information when it detected the person
7	How did the drone change its flight pattern while tracking the person? Selection best option(s) from below.	Mode Switched from Search to Track
		Navigation Method changed from Waypoints to NED
		Mode Switched from Search to Follow
		Navigation Method Changed from NED to Waypoints
		It is difficult to answer this question precisely.
8	I did not see a person in the video, and I believe the drone mistook an object for a person.	Agree
		Disagree
		Not Sure!
9	As a remote pilot, would you have preferred to override the drone's decisions of "tracking the person"?	Yes
		No
		Not Sure!

Questions Specific to Collision/ Path-replanning Event

#	Questions	Answer Options
1	A drone reported that it has a path conflict with another drone. Do you believe that drone was flying close to another drone?	Yes
		No
		Not Sure!
2	Did the drone turn to fly in a different direction to avoid the collision?	Yes
		No
		Not Sure!
3	What happened to the drone's altitude after it notified you of the possibility of a collision with another drone?	continuously increased the altitude
		continuously decreased the altitude
		changing altitude up and down very frequently
4	The drone changes to which of the following modes of flight to prevent a collision?	Land
		Off-board
		Did not change mode
		I didn't notice
5	What strategy did the drone use to avoid a collision with another drone?	Replan its path to avoid collision
		Stay in-place and let the other drone pass first
		I am not Sure!
6	As a remote pilot, would you have preferred to override the drone's decisions of "replanning the path to avoid collision"?	Yes
		No
		Not Sure!

Questions Specific to Mechanical Failure Event

#	Questions	Answer Options
1	Did the drone inform you of the type of mechanical failure it was experiencing?	Yes
		No
		Not Sure!
2	Did the drone change its flight mode to return to the landing station?	Yes
		No
		Not Sure!
3	Did the drone request manual control to land safely after experiencing mechanical failure?	Yes
		No
		Not Sure!
4	Did you check the drone's altitude on the right-side panel to see if it is actually dropping during auto-landing?	Yes
		No
		Not Sure!
5	Which of the following best describes the reason that you did not check the drone's altitude?	My attention was focused elsewhere (e.g., on the map)
		I trusted the drones' report and didn't feel the need to check its altitude
		I didn't find much time to check the information.
6	Was the drone heading back toward its home location after the failure of its system?	Yes
		No
		Not Sure!
7	As a remote pilot, would you have taken manual control or allowed the drone to autonomously land?	Yes
		No
		Not Sure!

Capture Overall Understanding of the Mission in the textual format

Please describe your observations of the video we have shown you.
Consider the following points while describing your observations.

Describe your understanding of the situation when those incidents occurred)?

- Describe what the drone(s) did when those incidents occurred?
- Your observation of the video streams.

Please refer to the sample response below for a video where two different drones raised events.

One drone reported that there was heavy snow and landed automatically. I noticed that the drone's altitude was decreasing rapidly. However, I observed the video stream from that drone and do not think there was any snow in it.

The other drone reported that it identified a possible fire spot on one of the houses and flew closer to capture high-resolution images. I immediately checked the video stream and the signs of fire were indeed present.