Attachment C7 – Mine Rescue participants: Pre-Training Questionnaire

Attachment C7 – Mine Rescue participants: Pre-Training Questionnaire

1. Age_____

2. Gender: ☐ Male ☐ Female

3. How many years of experience do you have...

As a miner? _____

At your mine? _____

In your current job? _____

On a mine rescue team? _____

4. How often does your mine hold safety meetings (e.g., "toolbox talks")? (check one)
- Less than once a month
- Once a month
- Once every 2 weeks
- Once a week
- Several times a week
- Daily
- Several times a day

5. Do you have training or experience with any of the following? (check all that apply)
- Volunteer fire fighting
- Professional fire fighting
- Military emergency response
- EMT/Paramedic
- Mine fire brigade
- Mine rescue team
- Mine responsible person
- Work assigned in a real emergency as a mine rescue team member
- Other emergency response related training/experience:

6. Which of the following training materials and methods does your mine use for your mine rescue team training? (check all that apply)
- Lectures
- Written materials
- Videos
- Self-guided interactive computer programs
- Demonstrations
- Hands-on training exercises
- Group exercises (e.g., games, problem solving)
- Classroom simulations (e.g., virtual reality)
- Worksite simulations
- Narrative story telling

7. How often does your mine rescue team train? (check one)
- Once a month
- Once every 2 weeks
- Once a week
- More than once a week

8. Have you ever experienced a virtual reality environment before today? ☐ No ☐ Yes

9. Of all the team members training with you today, how many do you interact with AT LEAST once a month outside of work and/or mine rescue team training?
- None
- Maybe 1 or 2
- About half
- Most
- All

Place an "X" in the appropriate box.	Strongly Disagree	Disagree	Neither	Agree	Strongly Agree
10. Even though mine emergencies are rare, I need to be as prepared as I can.					
11. It is important to be prepared for a mine emergency.					
12. It is important to put in extra effort toward improving my mine's ability to respond to an emergency.					

Attachment C7 – Mine Rescue participants: Pre-Training Questionnaire

On average, how often do your team's members…	Not at all	Once in a while	Sometimes	Fairly often	Frequently or always
13. See each other at work?					
14. See each other outside of work or training?					
15. Spend at least part of your training time cross-training in each other's team roles?					
How often do you…					
16. Play video games? (e.g., computer, Xbox, Playstation)					
17. Spend time on the computer? (e.g., work, internet, games)					

Place an "X" in the appropriate box.
Rate your confidence in the following areas, from "0" (Completely Unconfident) to "100" (Completely Confident)

Completely Unconfident ... Completely Confident
0 10 20 30 40 50 60 70 80 90 100

How confident are you that **your team** could, if required, do the following **right now** in a real mine emergency?

	0	10	20	30	40	50	60	70	80	90	100
18. Make quick and effective decisions.	0	10	20	30	40	50	60	70	80	90	100
19. Agree on solutions to difficult problems encountered.	0	10	20	30	40	50	60	70	80	90	100
20. Readapt team strategy in response to unexpected changes in the environment.	0	10	20	30	40	50	60	70	80	90	100
21. Assist with each other's responsibilities.	0	10	20	30	40	50	60	70	80	90	100
22. Maintain clear and efficient communication.	0	10	20	30	40	50	60	70	80	90	100
23. Monitor each other's work to catch mistakes and provide feedback.	0	10	20	30	40	50	60	70	80	90	100
24. Maintain a level of trust and confidence in each other.	0	10	20	30	40	50	60	70	80	90	100
25. Maintain a shared understanding of each other's responsibilities.	0	10	20	30	40	50	60	70	80	90	100
26. Maintain coordination in performing the tasks at hand.	0	10	20	30	40	50	60	70	80	90	100
27. Consider teammate input before making an action.	0	10	20	30	40	50	60	70	80	90	100

How confident are you that **your team captain** could, if required, do the following **right now** in a real mine emergency?

	0	10	20	30	40	50	60	70	80	90	100
28. Be decisive yet flexible	0	10	20	30	40	50	60	70	80	90	100
29. Be open to input from others	0	10	20	30	40	50	60	70	80	90	100
30. Have a calming influence on the group	0	10	20	30	40	50	60	70	80	90	100
31. Make logical decisions	0	10	20	30	40	50	60	70	80	90	100
32. Know the kinds of decisions that would need to be made	0	10	20	30	40	50	60	70	80	90	100
33. Know what to do to get the team out safely	0	10	20	30	40	50	60	70	80	90	100
34. Know what to do to get trapped/injured miners out safely	0	10	20	30	40	50	60	70	80	90	100

In the upcoming simulation, how confident are you that **your team** can work the problem…

	0	10	20	30	40	50	60	70	80	90	100
35. better than your previous mine rescue competition	0	10	20	30	40	50	60	70	80	90	100
36. almost perfect with reasonable time	0	10	20	30	40	50	60	70	80	90	100
37. perfectly with record time	0	10	20	30	40	50	60	70	80	90	100

How confident are you that **your team** could complete the following **right now** without any mistakes?

	0	10	20	30	40	50	60	70	80	90	100
38. A mine rescue competition problem	0	10	20	30	40	50	60	70	80	90	100

39. A mine rescue problem in a virtual environment	0	10	20	30	40	50	60	70	80	90	100
40. Work assigned at a real emergency	0	10	20	30	40	50	60	70	80	90	100

Place an "X" in the appropriate box.

Rate your confidence in the following areas, from "0" (Completely Unconfident) to "100" (Completely Confident)

Completely Unconfident										Completely Confident
0	10	20	30	40	50	60	70	80	90	100

How confident are you that **you** could correctly demonstrate or explain the following to a new mine rescue team member?

41. Paths the team would use to explore a mine.	0	10	20	30	40	50	60	70	80	90	100
42. Rules of a mine rescue competition	0	10	20	30	40	50	60	70	80	90	100
43. How to identify an explosive atmosphere with a gas meter	0	10	20	30	40	50	60	70	80	90	100
44. Mine map symbols	0	10	20	30	40	50	60	70	80	90	100
45. Setting roof supports	0	10	20	30	40	50	60	70	80	90	100
46. Roof testing	0	10	20	30	40	50	60	70	80	90	100
47. Reestablishing ventilation	0	10	20	30	40	50	60	70	80	90	100
48. Actions would be penalized in a competition	0	10	20	30	40	50	60	70	80	90	100

Place an "X" in the appropriate box. Think about the mine where you work. Rate how much you agree or disagree with each statement below.	Strongly Disagree	Disagree	Neither	Agree	Strongly Agree
Mine management:					
49. does a good job of emphasizing emergency preparedness.					
50. makes decisions that increase the likelihood of a successful response.					
51. prepares for how to handle emergencies before they happen.					
My mine rescue team:					
52. is given the support and resources we need to prepare for an emergency.					
53. is encouraged to improve our emergency response skills and abilities.					
54. is provided extra training opportunities for interested team members					
Our mine rescue training:					
55. is usually realistic and "hands-on".					
56. Includes practice using the equipment we would use in a real emergency.					
57. has opportunities for constructive feedback from instructors.					
58. does a good job of preparing us for a real emergency.					
At my mine:					
59. Production is stopped if there is even a minor chance that an emergency could happen.					
60. Mine emergencies are thoroughly investigated no matter what delay it may cause.					
61. Preventing a potential emergency is more important than meeting a production goal.					
In my work crew:					

62. We regularly talk about the decisions and issues that would come up during a mine emergency.					
63. I would probably be made fun of or ridiculed if I asked questions about our emergency preparedness procedures.					
64. We remind each other of the need to be prepared for mine emergencies.					