Attachment C1 – Dräger BG4 participants: Post-Training Questionnaire

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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?   _____

Benching any breathing apparatus?   _____

Benching a BG4?   _____

5. How often does your mine rescue team train? (<u>check one</u>)
- Less than once a month
- Once a month
- Once every 2 weeks
- Once a week
- More than once a week

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

6. Which of the following training materials and methods does your mine use for your mine rescue team training? (<u>check all that apply</u>)
- 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. Think about the BG4 Benching Training you just completed and place an "X" in the appropriate box.

The mental demands were:

| Very Low | | | | | | | | | Very High |

The physical demands of the exercise were:

| Very Low | | | | | | | | | Very High |

The level of stress I experienced was:

| Very Low | | | | | | | | | Very High |

The time pressure I felt was:

| Very Low | | | | | | | | | Very High |

The level of frustration I experienced was:

| Very Low | | | | | | | | | Very High |

The amount of effort needed to complete the task was:

| Very Low | | | | | | | | | Very High |

The level of eye strain I experienced was:

| Very Low | | | | | | | | | Very High |

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8. Place an "X" in the appropriate box.

	Strongly Disagree	Disagree	Neither Agree or Disagree	Agree	Strongly Agree
Today's training …					
a) Included content relevant to mine rescue team members					
b) Covered knowledge and skills needed during a real mine emergency					
c) Reinforced knowledge and skills I learned during previous mine rescue training					
d) Made me more confident that I could correctly bench a BG4 during a real mine emergency					
e) Helped prepare me to handle a real mine emergency					
f) Helped prepare me for a benching competition					
g) Motivated me to learn more about benching a BG4					
h) Motivated me to be generally more prepared for mine emergencies					
i) Helped me learn something that could be helpful during a real mine emergency					
j) Gave me new ways to think about benching a BG4					
I would recommend this training to...					
a) Mine rescue team benchmen					
b) Any mine rescue team member					
c) Anyone who had a genuine interest in mine rescue					
d) Other miners who I work with					
Objectives of the exercise were appropriate and clearly defined					
I understood the directions for the exercise					
The exercise is a good supplement to other mine rescue training					
The training mode helped me better prepare for the timed mode					
Having both modes (rather than one or the other) was useful					
Training in a virtual environment is a good supplement to training in a real life environment					
More virtual reality exercises like this should be developed					

9. On a scale from 1 to 10, rate how difficult or easy it was for you, by the end of the exercise, to do the following.

Place an "X" in the appropriate box.	Very Difficult								Very Easy	
Find where your mouse cursor was on the screen.	1	2	3	4	5	6	7	8	9	10
Select a specific part of the virtual BG4	1	2	3	4	5	6	7	8	9	10
Zoom in and out on a specific part	1	2	3	4	5	6	7	8	9	10
Toggle between different parts (i.e., switch from inspecting one part to another part)	1	2	3	4	5	6	7	8	9	10

10. Other comments or suggestions?