

LONG-TERM FIELD EVALUATION (LTFE) OF MINE ESCAPE RESPIRATORS (SCSRs CCERs) - FY15 (927PP30)

Objective

To evaluate the long term field performance and reliability of Self-Contained Self-Rescuers (SCSRs) certified by NIOSH and deployed in US underground coal mines.

Applicable Standards

30 CFR 75.1714 (Mandatory Safety Standards-Underground Coal Mines)
42 CFR 84.99-100 Subpart H (Man Test)
42 CFR 84.300-311 Subpart O (Closed Circuit Escape Respirators)

Key Partners

MSHA, UMWA, Respirator Manufacturers

Stakeholders BCOA, NMA, UMWA, Respirator Manufacturers.

Project Scope

- Collect and evaluate a statistically significant sample of field deployed SCSR/CCER devices from U.S. underground coal mines that pass manufacturer *visual* inspection criteria.
- Report results where most appropriate
- Work to develop improvements from lessons learned

Milestones

- LTR2-Completed ABMS testing on 343 units.
- LTR3-completed over ??? ABMS tests, ??? units collected.

Outputs

- LTR1- Draft report in initial review with TEB as of 3/20/2012.
- LTR1-User guidance document entered into eClearance February 2012.
- LTR1-Blog with CCER user guidance posted.
- Problem Reports have been submitted for review/action by the post certification team . Evaluation by post certification team in progress to determine if a certified product investigation is warranted.

Outcomes

- Validation that SCSR/CCER are performing as certified.
- Improvements to ABMS testing equipment/procedures.
- Corrective actions by manufacturers to address reported problems
- SR100 phase out completed 12/31/2013.

Updated: 26 Feb 2015