

# Continuing Professional Development Topics — Blasters

Certified blasters are required to participate in continuing professional development (CPD) each year. Training should focus on best practices for the type of blasting covered by a holder's active certificate, along with general health and safety topics.

A broad range of training topics are suitable for CPD. The topics below — arranged in alphabetical order — are considered relevant to blasting best practices, but this list is not exhaustive. If you have questions about whether a topic might qualify for CPD, please contact [Certification@worksafebc.com](mailto:Certification@worksafebc.com).

- Blast design
- Blast record requirements (magazines, blasting logs, etc.)
- Blasting cuts
- Blasting mat procedures
- Blasting techniques
- Blasting vibrations, airblast, PPV, etc.
- Controlled blasting techniques
- Cost estimation
- Drill rig and air compressor safety
- Drilling
- Explosive properties and product knowledge
- Explosives storage
- Environmental impact
- Fracturing according to type of rock
- Geologic and topographic considerations
- Initiation systems
- Installation of rock fences or scaling by machine or hand prior to blasting
- Maintenance, safe selection and use of tools, maintenance logs, etc.
- Misfires
- Powder factor
- Pre-blast surveying
- Remote firing systems and blasting machines
- Safe destruction of explosives, according to the manufacturer
- Safety and legislation for blasting
- Safety around heavy equipment
- Safety talks
- Seismograph readings and use
- Site preparation, analysis, and management
- Survey methods for rock face conditions
- Transportation of Dangerous Goods (TDG)
- Trench work
- Unpredictable hazards: lightning, stray current, radio waves, etc.
- Warning signals, signage, and guarding
- Workplace Hazardous Materials Information System (WHMIS)