

## Explosives for civil uses (Directive 2014/28/EU)

**Please consult the Call for Expression for full information on the specific tasks, general specifications and the application. Specific requirements for this sector include:**

### Qualifications

- Master degree (or equivalent) in a relevant area of engineering/science and 8 years of proven relevant professional experience,  
or
- Bachelor degree (or equivalent) in a relevant area of engineering/science and 10 years of proven relevant professional experience,  
or
- An outstanding proven relevant professional experience of at least 15 years

### Expertise

- A proven track record of working with harmonised and international standards in the field of explosives for civil uses
- Knowledge of Directive 2014/28/EU on explosives for civil uses and related implementing legal acts (on traceability and transfers of civil explosives), Q+A documents and Guiding principles
- Expertise in the principles of the New Legislative Framework

### Candidates should have preferably a good understanding of the following topics:

- Safety engineering and risk assessment/risk management techniques (relating to explosives)
- Electrical/Electronic engineering (relating to:
  - o electric/electronic detonators
  - o wireless/ electronic initiation systems, wireless data transfer techniques and encryption thereof
  - o micro-electronics related to explosives and associated initiators
  - o mitigation of associated hazards
- Chemical engineering (relating to the manufacture and/ or testing of explosives)
- Classification of explosives and associated chemical substances
- Explosion prevention (safe handling/use of explosives substances)
- Differentiation between pyrotechnic articles and explosives
- Differentiation between civil and military explosives
- Detonators, and relays (including electric, electronic, and nonelectric detonators)
- High explosives
- Detonating cords and safety fuses.
- On-site mixing of explosives and associated manufacturing units.
- Propellants and rocket propellants
- Environmental hazards from explosives