

## BUILDING AND CONSTRUCTION SECTION

### DRAFT STANDARDS FOR PUBLIC COMMENTS

1. **BCDC 4 (4523)** Petroleum and natural gas Industries – Cements and materials for well cementing  
Part 1: Specification  
**Scope:** This draft standard specifies requirements and gives recommendations for six classes of well cements, including their chemical and physical requirements and procedures for physical testing. This draft standard is applicable to well cement classes A, B, C and D, which are the products obtained by grinding Portland cement clinker and, if needed, calcium sulfate as an interground additive. Processing additives can be used in the manufacture of cement of these classes. Suitable set-modifying agents can be interground or blended during manufacture of class D cement. This draft standard is also applicable to well cement classes G and H, which are the products obtained by grinding clinker with no additives other than one or more forms of calcium sulfate, water or chemical additives as required for chromium (VI) reduction.
2. **BCDC 4 (4567)** Petroleum and natural gas Industries – Cements and materials for well cementing  
Part 2: Testing of well cements  
**Scope:** This draft standard specifies requirements and gives recommendations for the testing of cement slurries and related materials under simulated well conditions.
3. **BCDC 4(4568)** Petroleum and natural gas Industries – Cements and materials for well cementing  
Part 3: Testing of Deepwater well cement formulations  
**Scope:** This draft standard provides procedures for testing well cements and cement blends for use in the petroleum and natural gas industries in a deepwater environment.
4. **BCDC 4(4569)** Petroleum and natural gas Industries – Cements and materials for well cementing  
Part 4: Preparation and testing of foamed cement slurries at atmospheric pressure  
**Scope:** This draft standard defines the methods for the generation and testing of foamed cement slurries and their corresponding unfoamed base cement slurries at atmospheric pressure.
5. **BCDC 4(4570)** Petroleum and natural gas Industries – Cements and materials for well cementing  
Part 5: Determination of shrinkage and expansion of well cement formulations at atmospheric pressure  
**Scope:** This draft standard provides the methods for the testing of well cement formulations to determine the dimension changes during the curing process (cement hydration) at atmospheric pressure only. This is a base document, because under real well cementing conditions shrinkage and expansion take place under pressure and different boundary conditions.
6. **BCDC 4(4571)** Petroleum and natural gas Industries – Cements and materials for well cementing  
Part 6: Methods of determining the static gel strength of cement formulations  
**Scope:** This draft standard specifies requirements and provides test methods for the determination of static gel strength (SGS) of cement slurries and related materials under simulated well conditions.