



CODES CANADA  
Build on expertise

# Canadian National Master Construction Specification (NMS)

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Update No. 2017-07



National Research  
Council Canada

Conseil national de  
recherches Canada

Canada

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23 65 10	Condensers, coolers and cooling towers	2013-12-31
23 65 16	Natural draft cooling towers	2013-12-31
23 72 00	Air-to-air energy recovery equipment	2013-12-31
23 73 10	Air handling: Built-up	2013-12-31
23 73 11	Air handling units: Packaged	2013-12-31
23 74 00	Packaged outdoor HVAC equipment	2013-12-31
23 81 23	Computer room air conditioning	2011-12-31
23 81 40	Air and water source unitary heat pumps	2011-12-31
23 82 19	Fan coil units	2013-06-30
23 82 20	Forced air heaters	2011-12-31
23 82 21	Incremental heating and cooling units	2013-12-31
23 82 23	Unit ventilators	2011-12-31
23 82 33.01	Residential convectors	2011-12-31
23 82 33.02	Commercial convectors	2011-12-31
23 82 33.03	Cabinet convector heaters	2013-12-31
23 82 36	Finned tube radiation heaters	2013-12-31
23 82 39	Unit heaters	2011-12-31
23 82 39.01	Unit heaters: Electric	2011-12-31
23 82 39.02	Liquid heaters	2013-12-31
23 83 00	Radiant heating units	2013-12-31
23 83 00.01	Radiant heaters: Electric infrared	2011-12-31
23 83 13	Radiant heating electric cables	2013-12-31
23 83 13.01	Radiant heating electric cables: Snow melting	2013-12-31
23 83 13.02	Radiant heating electric cables: Floor warming	2013-12-31
23 84 13	Humidifiers	2013-12-31

#### **DIVISION 25 — Integrated Automation**

25 01 11	EMCS: Start-up, verification and commissioning	2004-06-30
25 01 12	EMCS: Training	2004-06-30
25 05 01	EMCS: General requirements	2005-03-31
25 05 02	EMCS: Submittals and review process	2004-06-30
25 05 03	EMCS : Project record documents	2004-06-30
25 05 54	EMCS: Identification	2004-06-30
25 05 60	EMCS: Field installation	2014-12-31
25 08 20	EMCS: Warranty and maintenance	2004-06-30
25 10 01	EMCS: Local Area Network (LAN)	2005-03-31
25 10 02	EMCS: Operator Work Station (OWS)	2005-03-31
25 30 01	EMCS: Building controllers	2005-03-31
25 30 02	EMCS: Field control devices	2005-03-31
25 90 01	EMCS: Site requirements, applications and systems sequences of operation	2005-03-31

#### **DIVISION 26 — Electrical**

26 05 00	Common work results for electrical	2013-06-30
26 05 05	Selective demolition for electrical	2017-04-25
26 05 14	Power cable and overhead conductors (1001 V)	2008-06-30

26 05 20	Wire and box connectors (0-1000 V)	2011-12-31
26 05 21	Wires and cables (0-1000 V)	2008-12-31
26 05 22	Connectors and terminations	2013-12-31
26 05 27	Grounding: Primary	2008-06-30
26 05 28	Grounding: Secondary	2011-12-31
26 05 29	Hangers and supports for electrical systems	2014-06-30
26 05 31	Splitters, junction, pull boxes and cabinets	2008-06-30
26 05 32	Outlet boxes, conduit boxes and fittings	2008-06-30
26 05 33	Raceway and boxes for electrical systems	2011-12-31
26 05 33.01	Surface and lighting fixture raceways	2008-06-30
26 05 34	Conduits, conduit fastenings and conduit fittings	2006-12-31
26 05 36	Cable trays for electrical systems	2006-09-30
26 05 37	Wireways and auxiliary gutters	2011-12-31
26 05 38	Cellular metal floor raceway fittings	2013-12-31
26 05 39	Underfloor raceways for electrical systems	2014-06-30
26 05 43.01	Installation of cables in trenches and in ducts	2011-12-31
26 05 80	Fractional horsepower motors	2006-09-30
26 05 81	Motors: 0.746 to 149 kw	2006-12-31
26 06 31	Diesel electric generating units Appendix A: Technical data form	2011-12-31
26 09 23.01	Metering and switchboard instruments	2011-12-31
26 09 23.02	Lighting control devices: Photoelectric	2010-12-31
26 09 23.03	Lighting control devices: Incandescent dimming	2007-03-31
26 09 23.04	Lighting control devices: Fluorescent dimming	2009-12-31
26 09 24	Lighting control devices: Low voltage	2006-03-31
26 09 43	Network lighting controls	2011-12-31
26 11 00.01	Outdoor substation to 15 kV	2006-12-31
26 11 13.01	Unit substation to 15 kV	2011-12-31
26 12 13	Liquid-filled, medium voltage transformers	2006-12-31
26 12 16	Dry-type, medium voltage transformers	2011-12-31
26 12 16.01	Dry-type transformers up to 600 V primary	2011-12-31
26 12 16.13	Pad-mounted, transformers for airfield visual aids	2010-12-31
26 12 19	Pad mounted, liquid filled, medium voltage transformers	2006-12-31
26 12 21	Transformer vault equipment to 15 kV	2006-12-31
26 13 01	Isolating switches to 15 kV	2011-12-31
26 13 17	Full load interrupter switches to 15 kV	2011-12-31
26 13 18	Primary switchgear assembly to 15 kV	2011-12-31
26 18 26	Medium voltage reclosers	2011-12-31
26 18 39.01	Motor controllers: 2000 to 5000 V (non-hazardous)	2007-03-31
26 18 41	Interlock systems	2011-12-31
26 22 19	Control and signal transformers	2011-12-31
26 23 00	Low voltage switchgear	2011-12-31
26 24 01	Service equipment	2013-06-30
26 24 02	Service entrance board	2013-06-30
26 24 13	Switchboards	2013-06-30
26 24 13.01	Generator switchboard to 600 V	2013-06-30
26 24 13.02	Generator switchboard over 600 V	2011-12-31
26 24 16.01	Panel boards: breaker type	2011-12-31
26 24 16.02	Panel boards: switch and fuse type	2013-06-30
26 24 19	Motor control centres	2013-06-30
26 25 00	Enclosed bus assemblies	2011-06-30
26 27 10	Modular wiring system	2008-06-30
26 27 16	Electrical cabinets and enclosures	2011-06-30

26 27 19	Multi-outlet assemblies	2009-06-30
26 27 23	Indoor service poles	2011-06-30
26 27 26	Wiring devices	2011-06-30
26 27 73	Door chimes	2010-12-31
26 28 13.01	Fuses: Low voltage	2008-06-30
26 28 13.02	Outdoor load break switches and fuses	2011-06-30
26 28 16.01	Air circuit breakers	2011-12-31
26 28 16.02	Moulded case circuit breakers	2012-06-30
26 28 18	Ground fault equipment protection	2011-06-30
26 28 20	Ground fault circuit interrupters: Class "A"	2011-06-30
26 28 22	Load break switches	2011-06-30
26 28 23	Disconnect switches: Fused and non-fused	2013-12-31
26 29 01	Contactors	2011-06-30
26 29 02	Fire pump control	2010-12-31
26 29 03	Control devices	2011-06-30
26 29 10	Motor starters to 600 V	2008-12-31
26 32 13.01	Power generation diesel	2009-12-31
26 32 13.02	Power generation to 30 kW	2009-12-31
26 32 13.03	Installation of electric power generating equipment	2011-12-31
26 32 13.04	Diesel electric generating units (liquid cooled)	2009-12-31
26 32 13.05	Diesel electric generating units (air cooled)	2009-12-31
26 32 13.07	Diesel electric generating units Appendix B factory test	2009-12-31
26 33 16	Battery racks	2014-06-30
26 33 43	Battery chargers	2011-06-30
26 33 53	Uninterruptible Power Systems static (UPS)	2011-06-30
26 33 54	Hospital operating rooms isolated power supply	2011-06-30
26 35 33	Power factor correction equipment	2006-12-31
26 36 23	Automatic transfer switches	2011-06-30
26 41 00.01	Primary lightning arresters	2011-06-30
26 41 00.02	Secondary lightning arresters	2011-12-31
26 41 13	Lightning protection for structures	2010-12-31
26 42 00	Cathodic protection	2009-12-31
26 42 00.01	Telethermics: Cathodic protection	2006-12-31
26 50 00	Lighting	2008-12-31
26 52 00	Emergency lighting	2011-06-30
26 52 00.01	Lighting - Central emergency system	2011-12-31
26 52 13.16	Exit signs	2017-04-25
26 55 36.13	Medium-Intensity (M.I.) red flashing obstruction lighting	2010-12-31
26 55 36.16	Medium-intensity (M.I.) white flashing obstruction light	2012-12-31
26 55 36.19	Low-Intensity (L.I.) red obstruction lighting	2010-12-31
26 56 19	Roadway lighting	2013-12-31

#### **DIVISION 27 — Communications**

27 05 13	Communications services	2011-12-31
27 05 26	Grounding and bonding for communications systems	2006-03-31
27 05 28	Pathways for communications systems	2011-12-31
27 10 05	Structured cabling for communications systems	2006-09-30
27 11 20	Terminals and connectors for communications conductors: entrance facility	2011-12-31
27 31 00	Voice communications switching and routing equipment	2011-12-31
27 51 16	Public address and mass notification systems	2011-12-31
27 51 23	Intercommunications and program systems	2011-12-31
27 52 24	Nurses call systems	2011-12-31



27 53 13	Clock systems	2010-12-31
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#### **DIVISION 28 — Electronic Safety and Security**

28 13 00	Access control	2010-12-31
28 13 19	Access control systems infrastructure	2010-12-31
28 13 27	Security door supervision	2010-12-31
28 13 28	Building entrance control system	2010-12-31
28 16 00	Intrusion detection	2010-12-31
28 23 00	Video surveillance	2010-12-31
28 31 00	Fire detection and alarm	2006-03-31
28 31 00.01	Multiplex fire alarm system	2010-12-31
28 31 00.02	Multiplex fire alarm and voice communication systems	2010-12-31

#### **DIVISION 31 — Earthworks**

31 00 00.01	Earthwork: Short form	2010-12-31
31 00 99	Earthwork for minor works	2010-12-31
31 05 10	Corrected maximum dry density for fill	2006-12-31
31 05 16	Aggregate materials	2012-06-30
31 09 16.01	Pile driving templates	2006-12-31
31 09 16.28	Pile tests	2006-09-30
31 11 00	Clearing and grubbing	2016-04-15
31 14 13	Soil stripping and stockpiling	2006-06-30
31 22 13	Rough grading	2012-06-30
31 22 14	Airfield grading	2012-06-30
31 22 16.13	Roadway subgrade reshaping	2012-06-30
31 23 16.26	Rock removal	2009-12-31
31 23 33.01	Excavating, trenching and backfilling	2006-09-30
31 24 13	Roadway embankments	2012-06-30
31 31 19.13	Chemical vegetation control	2016-04-15
31 32 13.19	Lime soil stabilization	2006-09-30
31 32 19.13	Geogrid soil stabilization	2016-04-15
31 32 19.16	Geotextile soil stabilization	2016-04-15
31 36 00	Gabions	2006-09-30
31 36 19	gabion mattresses	2013-12-31
31 37 00	Rip-rap	2006-09-30
31 53 13.01	Timber cribwork	2006-09-30
31 61 13	Pile foundations, general requirements	2006-09-30
31 62 13.19	Precast concrete piles	2007-03-31
31 62 16.13	Steel sheet piles	2012-06-30
31 62 16.14	Steel sheet pile cells	2006-09-30
31 62 16.16	Steel H piles	2006-12-31
31 62 16.19	Unfilled tubular steel piles	2006-12-31
31 62 19	Timber piles	2006-12-31
31 63 19	Bored and socketed piles	2012-06-30
31 63 19.13	Rock sockets for piles	2006-09-30
31 63 23	Bored concrete piles	2006-12-31
31 63 24	Compacted expanded-base concrete piles	2006-12-31
31 63 26.16	Concrete caissons for marine construction	2006-12-31

#### **DIVISION 32 — Exterior Improvements**

32 01 11.01	Pavement cleaning and marking removal	2011-06-30
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32 01 11.02	Pavement crack cleaning and filling	2012-06-30
32 01 13.01	Flexible paving surface treatment: Single application	2009-12-31
32 01 13.02	Flexible paving surface treatment: Multiple application	2010-06-30
32 01 16.01	Flexible paving surface grooving	2011-06-30
32 01 16.13	Reshaping asphalt pavement	2012-06-30
32 01 18	Routing and sealing pavement cracks	2013-06-30
32 01 90.33	Tree and shrub preservation	2016-04-15
32 11 16.01	Granular sub-base	2011-06-30
32 11 17	Reshaping granular roadbed	2006-09-30
32 11 23	Aggregate base courses	2011-06-30
32 11 33	Cement-treated base courses	2007-12-31
32 12 10	Marshall immersion test for bitumen	2010-12-31
32 12 13.16	Asphalt tack coats	2012-06-30
32 12 13.23	Asphalt prime coats	2012-06-30
32 12 16	Asphalt paving	2011-06-30
32 12 16.01	Asphalt paving: Short form	2013-06-30
32 12 16.02	Asphalt paving for building sites	2011-06-30
32 12 16.16	Road-mix asphalt paving wearing courses	2012-12-31
32 12 36.14	Asphalt seal coat	2013-12-31
32 12 36.16	Coal tar seal coats	2013-12-31
32 13 13	Concrete paving	2014-06-30
32 13 13.01	Concrete paving for building site	2007-12-31
32 13 13.17	Roller compacted concrete pavements	2011-06-30
32 14 10	Unit paving on sand bed	2006-09-30
32 14 13	Precast concrete unit paving	2013-12-31
32 15 40	Crushed stone surfacing	2009-12-31
32 15 60	Control	2010-12-31
32 16 00	Curbs, gutters and sidewalks	2017-04-25
32 17 23	Pavement markings	2017-04-25
32 21 00.01	Well pumps	2012-06-30
32 31 13	Chain link fences and gates	2011-06-30
32 31 26	Wire fences and gates	2011-06-30
32 32 26	Metal crib retaining walls	2010-12-31
32 32 34	Reinforced soil retaining walls	2016-04-15
32 33 00	Site furnishings	2016-04-15
32 91 19.13	Topsoil placement and grading	2006-09-30
32 91 19.14	Topsoil placement for vegetated roofs	2011-06-30
32 92 19.13	Mechanical seeding	2011-06-30
32 92 19.16	Hydraulic seeding	2011-06-30
32 92 23	Sodding	2011-06-30
32 93 10	Trees, shrubs and ground cover planting	2011-06-30
32 93 23.13	Interior plantings	2016-07-26
32 93 43.01	Tree pruning	2006-06-30

### **DIVISION 33 — Utilities**

33 05 14.03	Telethermics: Pre-fabricated steel maintenance holes	2013-12-31
33 05 16	Maintenance holes and catch basin structures	2013-12-31
33 07 13	Telethermics: Thermal insulation	2010-06-30
33 07 16	Factory pre-insulated piping systems for utility applications	2013-12-31
33 11 16	Site water utility distribution piping	2012-06-30
33 11 16.01	Incoming site water utility distribution piping	2012-06-30
33 21 00	Water supply wells	2012-06-30

33 31 13	Public sanitary utility sewerage piping	2011-06-30
33 32 13.13	Packaged sewage lift, wet well type	2016-04-15
33 34 00	Sanitary utility sewerage force mains	2011-06-30
33 36 00	Wastewater utility storage tanks	2016-10-26
33 36 33	Utility drainage field	2012-06-30
33 41 00	Storm utility drainage piping	2011-06-30
33 42 13	Pipe culverts	2011-06-30
33 46 13.01	Foundation and under-slab drainage	2012-06-30
33 46 16	Sub-drainage piping	2011-06-30
33 46 16.01	Sub-drain backfill sealing with asphalt	2012-06-30
33 47 13	Pond and reservoir liners	2016-04-15
33 47 23	Sanitary sewage lagoons	2013-12-31
33 56 13	Above-ground fuel storage tanks	2004-03-31
33 56 16	Underground fuel storage tanks	2004-03-31
33 65 13	Telethermics: Distribution piping: steel	2014-06-30
33 65 16	Telethermics: Distribution piping: PVC, FRP	2007-03-31
33 65 26	Telethermics: Insulated and plastic jacketed systems	2007-03-31
33 65 29	Telethermics: Directly buried, loose fill insulated systems	2010-12-31
33 65 33	Telethermics: Dryable drainable, testable conduit systems	2007-03-31
33 65 43	Telethermics: Steel tunnel systems	2007-03-31
33 65 46	Telethermics: Shallow Inverted Trench (SIT) systems	2007-03-31
33 65 73	Concrete encased duct banks and manholes	2007-12-31
33 65 76	Direct buried underground cable ducts	2009-06-30
33 71 16.01	Electrical pole lines and hardware	2009-06-30
33 71 73.01	Overhead electrical service	2007-12-31
33 71 73.02	Underground electrical service	2009-06-30
33 77 33	Fuse cutouts and fuse links - Outdoor	2011-12-31

<b>DIVISION 34 — Transportation</b>		
34 43 05	Common work results for airfield lighting	2013-06-30
34 43 05.39	Airfield light support structures	2017-07-21
34 43 10	Airfield illuminated guidance signs	2010-12-31
34 43 13.13	Airfield runway identification lights	2010-12-31
34 43 13.15	Airfield illuminated ground navigation signs	2016-07-26
34 43 13.16	Airfield runway and taxiway inset lighting	2010-12-31
34 43 13.19	Airfield elevated edge lighting	2010-12-31
34 43 13.23	Airfield simplified short approach lighting system with runway alignment indicator lights (ssalr)	2010-12-31
34 43 16.23	Airfield short-approach lighting system	2010-12-31
34 43 16.26	Airfield omni-directional approach lighting system	2010-12-31
34 43 16.36	Airfield precision-approach path indicator equipment	2010-12-31
34 43 23.16	Airfield wind cones	2012-12-31/ 2016-07-22
34 43 23.19	Aerodrome beacon	2012-12-31
34 43 23.43	Airfield apron floodlighting	2010-12-31
34 43 26.13	Airfield lighting control equipment	2012-12-31
34 43 26.16	Airfield lighting plc control equipment	2012-12-31/ 2016-07-22
34 43 26.19	Airfield lighting regulator assembly	2017-07-21
34 71 13.01	Vehicle concrete barriers	2011-06-30
34 71 13.21	Vehicle guide posts	2011-06-30
34 71 13.22	Vehicle post delineators	2014-06-30

34 71 13.25	Vehicle W-beam guide rail	2011-06-30
34 71 13.27	Vehicle cable guide rail	2013-06-30
34 71 13.28	Vehicle box beam guide rail	2011-06-30
34 72 16	Railway siding	2007-12-31
34 73 16.13	Aircraft static grounding	2006-06-30/ 2016-07-26
34 77 13	Passenger loading bridges	2010-12-31

#### **DIVISION 35 — Waterway and Marine Construction**

35 20 23	Dredging	2014-12-31
35 31 19	Revetments	2006-09-30
35 31 23.13	Rubble mound breakwaters	2010-12-31
35 42 19	Preservation of water courses and wetlands	2011-06-30
35 42 60	Waterway channel maintenance	2012-12-31
35 51 23	Pontoons	2006-12-31
35 59 13.19	Rubber marine fenders	2010-12-31
35 59 29	Mooring devices	2006-12-31

#### **DIVISION 42 — Process heating, Cooling and Drying Equipment**

42 20 00	Process cooling equipment	2010-06-30
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#### **DIVISION 44 — Pollution and Waste Control Equipment**

44 41 13	Commercial water treatment plants	2008-12-31
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### **End of Prescriptive Technical Specifications**

# Performance-Based Sections

[based on UnifFormat™]

A — Substructure		
A1030	Slabs on grade (performance)	2014-06-30
A2010	Basement excavation	2014-06-30
A2020	Basement walls	2014-06-30

B — Shell		
B1010	Floor construction	2014-06-30
B1020	Roof construction	2014-06-30
B2010	Exterior walls	2014-06-30
B2020	Exterior windows	2014-06-30
B2030	Exterior doors	2014-06-30
B3010	Roof coverings	2014-06-30
B3020	Roof openings	2014-06-30

C — Interiors		
C1010	Interior partitions (performance)	2014-06-30
C2012	Interior stairways	2014-06-30
C3012	Epoxy wall coatings	2014-06-30
C3015	Interior ceiling finishes	2014-06-30
C3025	Interior soft floor finishes	2005-06-30
C3026	Interior hard floor finishes	2014-06-30
C3027	Epoxy floor coatings	2014-06-30
C3040	Painting	2014-06-30

D — Services		
D1000	Environmental design requirements	2009-06-30
D1012	Freight elevators	2005-03-31
D1013	Passenger elevators	2005-03-31
D2010	Plumbing fixtures	2005-06-30
D2020	Domestic water distribution	2005-03-31
D2030	Sanitary waste	2005-06-30
D2040	Rain water drainage	2005-06-30
D2050	Other plumbing systems	2005-06-30
D3000	Design requirements - HVAC	2005-12-31
D3010	Energy supply	2005-12-31
D3020	Heat generation	2005-06-30
D3030	Refrigeration	2005-09-30
D3040	HVAC Distribution	2005-06-30
D3050	Terminal and packaged units	2005-06-30
D3060	Controls and instrumentation	2005-06-30
D3070	Other HVAC systems and equipment	2009-06-30
D3080	Testing, adjusting and balancing	2005-03-31
D4010	Sprinklers	2005-12-31
D4020	Standpipe and hose networks	2005-12-31
D4030	Fire protection specialties	2005-12-31
D4040	Other fire suppression equipment	2005-12-31
D5000	Common requirements — Electrical	2014-12-31



D5010	Electrical service and distribution	2009-06-30
D5020	Lighting, power, and branch wiring	2009-06-30
D5030	Communications and security	2009-06-30
D5050	Electrical controls and instrumentation	2009-06-30

#### **E — Equipment and furnishings**

E2010	Fixed furnishings	2009-06-30
E2020	Movable furnishings	2009-06-30

#### **F — Special construction and demolition (not used)**

#### **G — Building site work**

G1010	Site clearing	2011-06-30
G1020	Site demolition and relocations	2009-06-30
G1030	Site earthwork	2011-06-30
G2010	Roadways	2009-06-30
G2020	Parking lot	2009-06-30
G2030	Pedestrian paving	2009-06-30
G2040	Site development	2009-06-30
G2050	Landscaping	2010-12-31

### **End of Performance-based Specifications**

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