

# NATIONAL CLASSIFICATION SYSTEM - OCTOBER 2023

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## 00 PLANNING AND DESIGN (AUS-SPEC)

### 001 General

- 0001 Design reference and checklist
- 0010 Quality requirements for design
- 0012 Waterfront development
- 0013 Bushfire protection (Design)

### 002 Open space

- 0021 Site regrading
- 0022 Control of erosion and sedimentation (Design)

### 004 Road reserve

- 0041 Geometric road design
- 0042 Pavement design
- 0043 Subsurface drainage (Design)
- 0044 Pathways and cycleways (Design)

### 005 Road reserve - rural

- 0051 Geometric rural road design - sealed
- 0052 Geometric rural road design - unsealed
- 0053 Rural pavement design - sealed
- 0054 Rural pavement design - unsealed

### 006 Bridges

- 0061 Bridges and related structures

### 007 Public utilities

- 0071 Water supply - reticulation (Design)
- 0072 Water supply - pump stations (Design)
- 0074 Stormwater drainage (Design)
- 0076 Sewerage systems - reticulation (Design)
- 0077 Sewerage systems - pump stations (Design)

## 01 GENERAL

### 011 Documentation

#### 012 Tendering

- 0120 Pre-tendering contract preparation (AUS-SPEC)
- 0121 Tendering
- 0122 Information for tenderers (AUS-SPEC)
- 0123 Conditions of tendering (AUS-SPEC)
- 0124 Tender submission documents (AUS-SPEC)
- 0125 Standard contract checklists (AUS-SPEC)
- 0126 Period supply and service checklists (AUS-SPEC)

### 013 Generic preliminaries

- 0131 Preliminaries (Generic)
- 0133 Preliminaries (Interior and alterations)
- 0134 General requirements (Supply) (AUS-SPEC)
- 0135 General requirements (Services) (AUS-SPEC)
- 0136 General requirements (Construction) (AUS-SPEC)

### 0138 Multiple contracts

### 014 Contract preliminaries

- 0140 Preliminaries - ABIC BW-2018C
- 0141 Preliminaries - ABIC MW-2018
- 0142 Preliminaries - ABIC SW-2018
- 0143 Preliminaries - AS 2124 (1992)
- 0144 Preliminaries - AS 4000 (1997)
- 0145 Preliminaries - AS 4905 (2002)
- 0146 Preliminaries - AS 4902 (2000)
- 0147 Conditions of contract (AUS-SPEC)
- 0149 Preliminaries - NCW4 (2019)

### 015 Schedule of rates (AUS-SPEC)

- 0152 Schedule of rates (Construction)
- 0153 Schedules - period supply and service

### 016 Quality assurance

- 0160 Quality
- 0161 Quality management (Construction) (AUS-SPEC)
- 0162 Quality (Supply) (AUS-SPEC)
- 0163 Quality (Delivery) (AUS-SPEC)
- 0164 Commissioning
- 0167 Integrated management (AUS-SPEC)

### 017 General requirements

- 0171 General requirements

- 0172 Environmental management
- 0173 Environmental management (AUS-SPEC)

### 018 Common requirements

- 0181 Adhesives, sealants and fasteners
- 0182 Fire-stopping
- 0183 Metals and prefinishes
- 0184 Termite management
- 0185 Timber products, finishes and treatment

### 019 Sundry installations

- 0191 Sundry items
- 0192 [Structural components]
- 0193 Building access safety systems
- 0194 [Door seals and window seals]
- 0195 [Tactile indicators and stair edgings]
- 0196 [Prefabricated fire stair systems]

## 02 SITE, URBAN AND OPEN SPACES

### 020 Demolition

- 0201 Demolition
- 0202 Demolition (Interior and alterations)

### 022 Preparation and groundwork

- 0221 Site preparation
- 0222 Earthwork

- 0223 Service trenching

- 0224 Stormwater - site

### 024 Landscape structures

- 0241 Landscape - walling and edging
- 0242 Landscape - fences and barriers
- 0243 Landscape - water features

### 025 Landscape cultivation

- 0250 Landscape - combined
- 0251 Landscape - soils
- 0252 Landscape - natural grass surfaces
- 0253 Landscape - planting
- 0254 Irrigation
- 0255 Landscape - plant procurement
- 0256 Landscape - establishment
- 0257 Landscape - road reserve and street trees (AUS-SPEC)

- 0259 Landscape - maintenance

### 026 Landscape finishes

- 0261 Landscape - furniture and fixtures
- 0262 External sports and playground surfacing

### 027 Pavements

- 0271 Pavement base and subbase
- 0272 Asphalt
- 0273 Sprayed bituminous surfacing
- 0274 Concrete pavement
- 0275 Paving - mortar and adhesive bed
- 0276 Paving - sand bed
- 0277 Pavement ancillaries
- 0278 Granular surfaces
- 0279 Paving - on pedestals

### 028 Pathways (AUS-SPEC)

- 0281 Fire access and fire trails
- 0282 Pathways and cycleways (Construction)

### 029 Retaining walls (AUS-SPEC)

- 0292 Masonry walls
- 0293 Crib retaining walls
- 0294 Gabion walls and rock filled mattresses

## 03 STRUCTURE

### 030 Foundations

- 0301 Piling
- 0305 [Foundation isolation systems]

### 031 Concrete - in situ

- 0310 Concrete - combined
- 0311 Concrete formwork
- 0312 Concrete reinforcement
- 0313 Concrete post-tensioned
- 0314 Concrete in situ
- 0315 Concrete finishes
- 0318 Shotcrete
- 0319 Auxiliary concrete works (AUS-SPEC)

### 032 Concrete - systems

- 0321 Precast concrete
- 0322 Tilt-up concrete
- 0325 [Concrete protection]

### 033 Masonry

- 0331 Brick and block construction
- 0332 Stone masonry
- 0333 Stone repair
- 0334 Block construction
- 0335 Brick construction

### 034 Steel

- 0341 Structural steelwork
- 0342 Light steel framing
- 0343 Tensioned membrane structures
- 0344 Steel - hot-dip galvanized coatings
- 0345 Steel - protective paint coatings
- 0346 Structural fire protection systems

### 036 Earth

- 0361 Monolithic stabilised rammed earth walls
- 0362 Mud brick and pressed earth block walls
- 0363 Straw bale walls

### 038 Timber

- 0381 Structural timber
- 0382 Light timber framing
- 0383 Decking, sheet and panel flooring
- 0385 Cross-laminated timber (CLT)

## 04 ENCLOSURE

### 041 Tanking and damp-proofing

- 0411 Waterproofing - external and tanking

### 042 Roofing

- 0421 Roofing - combined
- 0423 Roofing - profiled sheet metal
- 0424 Roofing - seamed sheet metal
- 0425 Roofing - shingles and shakes
- 0426 Roofing - slate
- 0427 Roofing - tiles
- 0428 Roofing - insulated panel systems
- 0429 Roofing - glazed

### 043 Cladding

- 0431 Cladding - combined
- 0432 Curtain walls
- 0433 Stone cladding
- 0434 Cladding - flat sheets and panels
- 0435 Cladding - planks and weatherboards
- 0436 Cladding - profiled and seamed sheet metal

- 0437 Cladding - insulated panel systems

- 0438 [Cladding - cement board]

- 0439 [Cladding - systems]

### 045 Doors and windows

- 0451 Windows and glazed doors
- 0453 Doors and access panels
- 0454 Overhead doors
- 0455 Door hardware
- 0456 Louvre windows
- 0457 External screens
- 0458 [Automatic doors]

### 046 Glass

- 0461 Glazing
- 0462 Structural silicone glazing
- 0463 Glass blockwork
- 0466 Structural glass assemblies
- 0467 Glass components

### 047 Insulation

- 0471 Thermal insulation and pliable membranes
- 0472 Acoustic insulation
- 0473 [Acoustic floor underlays]

## 05 INTERIOR

### 051 Linings

- 0511 Lining

### 052 Partitions

- 0520 Partitions - combined
- 0521 Partitions - demountable
- 0522 Partitions - framed and lined
- 0523 Partitions - brick and block
- 0524 Partitions - glazed
- 0525 Cubicle systems
- 0526 Terrazzo precast
- 0527 Room dividers
- 0528 [Partitions - composite systems]

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## 053 Ceilings

- 0531 Suspended ceilings - combined
- 0532 Suspended ceilings - flush lined
- 0533 Suspended ceilings - ceiling units

## 054 Access floors

- 0541 Access floors

## 055 Fixtures

- 0551 Joinery
- 0552 Metalwork - fabricated
- 0553 Stainless steel benching
- 0554 [Handrails, guardrails, balustrades and other barriers]

## 057 Furniture and furnishings

- 0571 Workstations
- 0572 Miscellaneous furniture
- 0573 Fire extinguishers and blankets
- 0574 Window coverings
- 0575 Tapestries

## 058 Signs and features

- 0581 Signage

## 06 FINISH

### 061 Trowelled and sprayed coatings

- 0611 Rendering and plastering
- 0612 Cementitious toppings
- 0613 Terrazzo in situ

### 062 Wet areas

- 0621 Waterproofing - wet areas

### 063 Tiling

- 0631 Ceramic tiling
- 0632 Stone and terrazzo tiling

### 064 Wall surfacing

- 0641 Applied wall finishes
- 0642 Wallcoverings

### 065 Floor surfacing

- 0651 Resilient finishes
- 0652 Carpets
- 0654 Multilayered board flooring
- 0655 Timber flooring
- 0656 Floor sanding and finishing
- 0657 Resin based seamless flooring

### 067 Painting

- 0671 Painting
- 0672 Textured and membrane coatings
- 0673 Powder coatings

## 07 MECHANICAL

### 070 Mechanical general

- 0700 Reference - Mechanical services
- 0701 Mechanical systems
- 0702 Mechanical design and install

### 071 Water plant

- 0710 [Steam boilers]
- 0711 Chillers - combined
- 0712 Water heating boilers
- 0713 Cooling towers
- 0714 Mechanical pumps
- 0715 Mechanical services tanks, vessels and heat exchangers
- 0716 Chillers - centrifugal
- 0717 Chillers - water cooled screw
- 0718 Chillers - air cooled screw and scroll
- 0719 Chillers - absorption

### 072 Air plant

- 0721 Packaged air conditioning
- 0722 Room air conditioners
- 0723 Evaporative air coolers
- 0724 Air handling plant - combined
- 0725 Air handling plant - built up
- 0726 Air handling plant - minor
- 0727 Air handling plant - packaged

### 073 Air handling components

- 0731 Fans
- 0732 Air filters
- 0733 Air coils
- 0734 Humidifiers
- 0735 [Natural ventilation and smoke management]
- 0736 Space heating
- 0737 [Fireplaces]

### 074 Ductwork and components

- 0741 Ductwork

- 0744 Ductwork insulation
- 0745 Attenuators and acoustic louvres
- 0746 Air grilles
- 0747 Variable air volume terminals
- 0748 Chilled beams

## 075 Piping

- 0751 Mechanical piping
- 0752 Mechanical piping insulation
- 0753 Water treatment
- 0754 Liquid fuels
- 0755 Medical gas systems
- 0756 [Industrial gas systems]
- 0757 [Compressed air]

## 076 Refrigeration

- 0761 Refrigeration
- 0762 Cool rooms

## 077 Control

- 0771 Automatic controls
- 0772 Automatic controls - minor
- 0773 Building management systems

## 078 Mechanical electrical

- 0781 Mechanical electrical
- 0782 Mechanical electrical - minor
- 0784 Motors and starters

## 079 Mechanical commissioning and maintenance

- 0791 Mechanical commissioning
- 0792 Mechanical maintenance

## 08 HYDRAULIC

### 080 Hydraulic general

- 0800 Reference - Hydraulic services
- 0801 Hydraulic systems
- 0802 Hydraulic design and install

### 081 Hydraulic components

- 0811 Sanitary fixtures
- 0812 Tapware
- 0813 Water heaters
- 0814 Hydraulic pumps
- 0815 Drinking water dispensers
- 0816 Hydraulic services tanks

### 082 Hydraulic systems

- 0821 Stormwater - buildings
- 0822 Wastewater
- 0823 Cold and heated water
- 0824 Fuel gas
- 0825 Rainwater storage systems
- 0826 Greywater systems
- 0827 [Processed water]

### 088 Hydraulic electrical

- 0882 Hydraulic electrical - minor

## 089 Hydraulic commissioning and maintenance

- 0891 Hydraulic maintenance

## 09 ELECTRICAL

### 090 Electrical general

- 0900 Reference - Electrical services
- 0901 Electrical systems
- 0902 Electrical design and install

### 091 Electrical equipment

- 0911 Cable support and duct systems

### 092 Power systems

- 0921 Low voltage power systems

### 093 Power supply equipment

- 0931 Power generation - engine driven
- 0933 Power generation - photovoltaic
- 0937 Uninterruptible power supply

### 094 Power distribution equipment

- 0941 Switchboards - proprietary
- 0942 Switchboards - custom-built
- 0943 Switchboard components
- 0947 Power factor correction

### 095 Lighting systems

- 0951 Lighting

### 096 Communication systems

- 0961 Information and communications technology (ICT) systems
- 0962 Television distribution systems
- 0963 Sound systems

### 097 Safety systems

- 0971 Emergency evacuation lighting

- 0979 Lightning protection

## 098 Security systems

- 0981 Electronic security

## 099 Electrical commissioning and maintenance

- 0991 Electrical maintenance

## 10 FIRE

### 100 Fire general

- 1000 Reference - Fire services
- 1001 Fire services systems
- 1002 Fire services design and install

### 101 Fire components

- 1014 Fire services pumps
- 1016 Fire services tanks
- 103 **Wet fire suppression systems**
- 1030 Combined wet fire suppression systems
- 1031 Hydrants
- 1032 Hose reels
- 1033 Sprinklers

### 104 Dry fire suppression systems

- 1041 Gaseous fire suppression systems

### 105 Chemical fire suppression system

- 1051 Liquid chemical fire suppression systems

### 107 Fire safety systems

- 1072 Fire detection and alarms
- 1073 Emergency warning and intercommunication

### 108 Fire electrical

- 1082 Fire services electrical - minor

## 109 Fire commissioning and maintenance

- 1091 Fire services maintenance

## 11 CONSTRUCTION - ROAD RESERVE (AUS-SPEC)

### 110 General

- 1100 Construction reference and schedules
- 1101 Traffic management
- 1102 Control of erosion and sedimentation (Construction)

### 111 Formation preparation

- 1111 Clearing and grubbing
- 1112 Earthworks (Road reserve)
- 1113 Subgrade and formation stabilisation

### 112 Rainwater collection

- 1121 Open drains
- 1122 Kerbs and channels (gutters)

### 113 Rigid pavements

- 1130 Rural concrete base
- 1131 Roller compacted concrete subbase
- 1132 Lean mix concrete subbase
- 1133 Plain and reinforced concrete base
- 1134 Steel fibre reinforced concrete base
- 1135 Continuously reinforced concrete base
- 1136 Cold milling of asphalt and base course

### 114 Flexible pavements

- 1140 Wearing course, base and sub-base - unsealed

- 1141 Flexible pavement base and subbase

- 1142 Cold mix asphalt

- 1143 Sprayed bituminous surfacing

- 1144 Asphalt (Roadways)

- 1145 Segmental paving

- 1146 Microsurfacing

- 1147 Sprayed preservation surfacing

### 115 Road openings and restorations

- 1151 Road openings and restoration
- 1152 Road openings and restoration (Utilities)

### 116 Pavement stabilisation

- 1161 In situ pavement stabilisation using cementitious binders
- 1162 In situ pavement stabilisation using bituminous binders
- 1163 Ex situ (plant mix) pavement stabilisation
- 1164 In situ pavement stabilisation of unsealed roads

### 117 Pavement moisture control

- 1171 Subsurface drainage
- 1172 Subsoil and formation drains
- 1173 Pavement drains
- 1174 Drainage blankets

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## 119 Traffic facilities

- 1191 Pavement markings
- 1192 Signposting
- 1193 Guide posts
- 1194 Non-rigid road safety barrier systems
- 1195 Rigid concrete safety barrier systems
- 1196 Boundary fencing for road reserves
- 1197 Street and public lighting

## 13 CONSTRUCTION - PUBLIC UTILITIES (AUS-SPEC)

### 134 Water supply

- 1341 Water supply - reticulation (Construction)
- 1342 Water supply - pump stations (Construction)

### 135 Water cycle management

- 1351 Stormwater drainage (Construction)
- 1352 Pipe drainage
- 1353 Precast box culverts
- 1354 Drainage structures

### 136 Sewerage systems

- 1361 Sewerage systems - reticulation (Construction)
- 1362 Sewerage systems - pump stations (Construction)

### 139 Others

- 1391 Service conduits
- 1392 Trenchless conduit installation

## 14 MAINTENANCE AND OPERATIONS - URBAN AND OPEN SPACES (AUS-SPEC)

### 140 General

- 1401 General requirements - parks and open space (Maintenance)
- 1402 Maintenance schedules - parks and open space
- 1403 Parks and open space maintenance plan (PMP)
- 1404 Annexures to parks and open space maintenance plan (PMP)

### 141 Horticultural

- 1411 Street landscaping
- 1412 Grass mowing in road reserves
- 1413 Tree and vegetation control in road reserves

- 1414 Weed control in road reserves

- 1415 Weed control

- 1416 Planting of annuals and trees

- 1417 Care of trees and shrubs

- 1418 Gardens

- 1419 Care of grass and turf

- 1420 Grass mowing

- 1421 Native bushland

- 1422 Dunal areas

- 1423 Pest control

### 143 Pathways

- 1431 Footpath paving repairs
- 1432 Gravel footpath repairs
- 1433 Footpath and kerb ramp repairs
- 1434 Fire access and fire trails repairs

### 144 Pavements

- 1441 Bituminous surfacing repairs
- 1442 Boat ramps

### 146 Enclosures

- 1461 Swimming enclosures
- 1462 Boundary fence repair

### 147 Equipment

- 1471 Barbecues
- 1472 Drinking fountains
- 1473 Barriers
- 1474 Lighting
- 1475 Playground equipment
- 1476 Park furniture
- 1477 Sport ground facilities
- 1478 Public art

### 148 Operation - open spaces

- 1481 Accident repairs (Recoverable)
- 1482 Accident repairs (Non-recoverable)

- 1483 Emergency call out

- 1484 Storm damage response

### 149 Operation - cleaning and waste management

- 1491 Open space litter collection

- 1492 Open space graffiti removal

- 1493 Beach cleaning

## 15 MAINTENANCE AND OPERATIONS - BUILDINGS (AUS-SPEC)

### 150 General

- 1500 NATSPEC Maintenance reference

- 1501 General requirements - building and facility (Maintenance)

- 1502 Maintenance schedules - building and facility

- 1503 Building and facility maintenance plan (BFMP)

- 1504 Annexures to building and facility maintenance plan (BFMP)

### 153 Structure

- 1530 External works

- 1531 Floors

- 1532 Walls

- 1533 Doorways and windows

- 1534 Ceilings

- 1535 Roofing

### 157 Services

- 1571 Mechanical systems - maintenance

- 1572 Hydraulic systems - maintenance

- 1573 Electrical systems - maintenance

- 1574 Fire systems - maintenance

### 158 Operation - buildings

- 1581 External building surveillance

- 1582 Accident repairs (Recoverable)

- 1583 Emergency call out

- 1584 Storm damage response

- 1585 External cleaning

- 1586 Internal cleaning

- 1587 Sanitary cleaning

- 1588 Window cleaning

- 1589 Cleaning - blinds and fire proofing of curtains

## 16 MAINTENANCE AND OPERATIONS - ROAD RESERVE (AUS-SPEC)

### 160 General

- 1601 General requirements - road reserve (Maintenance)

- 1602 Maintenance schedules - road reserve

- 1603 Road reserve maintenance plan (RMP)

- 1604 Annexures to road reserve maintenance plan (RMP)

### 161 Pavement

- 1611 Pavement sweeping

- 1612 Auxiliary work for reseals

- 1613 Repairs to bituminous surfacing

- 1614 Crack sealing

- 1615 Local shape correction

- 1616 Grading unsealed roads

- 1617 Resheeting unsealed roads

- 1618 Heavy patching

- 1619 Minor patching

- 1620 Pothole repair

- 1621 Concrete pavement repairs

- 1622 Concrete slab stabilisation

- 1623 Emergency pavement repairs

### 163 Shoulder

- 1631 Edge break repairs

- 1632 Grading unsealed shoulders

- 1633 Resheeting unsealed shoulders

- 1634 Local scour repairs

### 164 Roadside

- 1641 Kerb and channel (gutter) repairs

- 1642 Traffic islands

### 165 Pavement moisture control

- 1651 Clear road reserve subsoil drains

- 1652 Clear road reserve open drains

### 167 Traffic facilities

- 1671 Road reserve boundary fence repairs

- 1672 Road reserve fences and handrails

- 1673 Street seats and bus shelters

- 1674 Carriageway delineators

- 1675 Road reserve guard fence

- 1676 Road reserve signs

- 1677 Road reserve guide signs

### 168 Operation - road reserve

- 1681 Accident repairs (Recoverable)

- 1682 Road reserve emergency call out

- 1683 Storm damage response for road safety

- 1684 Traffic facilities - road traffic control

### 169 Operation - cleaning and waste management

- 1691 Road reserve litter collection

- 1692 Removal of graffiti visible from roads

## 17 MAINTENANCE AND OPERATIONS - BRIDGES (AUS-SPEC)

### 170 Structure

- 1701 Wharves and decks maintenance

## 18 MAINTENANCE AND OPERATIONS - PUBLIC UTILITIES (AUS-SPEC)

### 184 Water supply

- 1841 Water supply - irrigation systems

### 185 Water cycle management

- 1851 Clear open space drains

- 1852 Clear open space drainage culverts

- 1853 Clear road reserve culverts and pits

- 1854 Minor repair of lined drains in road reserves

- 1859 CCTV inspection of drainage conduits

## 20 CONVEYING

### 200 Conveying general

#### 201 Conveying equipment

- 2011 Lifts design and install

- 2012 [Escalators and moving walkways]

#### 202 Other conveying equipment

- 2021 [Pneumatic tube systems]

## CONTACT INFORMATION

NATSPEC  
PO Box 1527  
SYDNEY NSW 1230  
Australia

PHONE 1300 797 142  
FAX 1300 797 143  
EMAIL [mail@natspec.com.au](mailto:mail@natspec.com.au)  
WEB [www.natspec.com.au](http://www.natspec.com.au)