



Pavement marking pre-qualification – Paint & painting contractors

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CSIRO Background

- **Commonwealth Scientific & Industrial Research Organisation**
- Australian government's primary R&D facility
- 6000+ employees
- A\$5 Billion triennial funding
- International top 10 most referenced research organisation
- Front line of cutting edge research – biological, medical, industrial, agricultural, climate change

CSIRO Background

- **Industrial Research Services**
 - Non R&D facility; testing & consulting
 - Materials durability; fire safety engineering; fire resistance; soil geomechanics; acoustics; fire suppression & detection systems
 - Verification Services – product certification & service accreditation eg certification of paint products; accreditation of painting contractors; certification of sprinkler heads, smoke & heat detectors; fire alarm panels; roofing fasteners



**PAINTING CONTRACTOR
CERTIFICATION PROGRAM**



PCCP Background

- **Painting Contractor Certification Program – PCCP**
- Accreditation scheme for painting contractors
- 18 years of operation
- Active in protective coatings (steel bridges, water industry & chemical plants)
- Strength in management of hazardous coatings
- Portability of accreditation across State and national borders
- Acceptable standards of performance set by industry.
- Expanding into commercial & residential buildings (hazardous coating management) and pavement marking
- **Member-only Scheme; trademark protected**

Why pre-qualify contractors?

- **Road owners**

- Pre-qualification is not core business. Outsource
- To ensure high levels of confidence in capability
- To promote amongst the contractor community a higher level of business professionalism
- To reward complying contractors
- To save \$\$\$ in the long term

- **Contractors**

- To demonstrate professionalism in business dealings
- To gain control over business processes
- To gain additional business



PCCP Pavement marking accreditation

Classes

- Class 20 – Pavement marking, major road works
- Class 21 – Pavement marking, minor road works
- Class 22 – Pavement marking, audio-tactile markings
- Class 23 – Car park markings
- Class 24 – Intersection & miscellaneous markings
- Class 25 – Raised pavement markers
- Class 26 – High friction surfacings
- Class 27 – Pavement marking removal

Pavement marking – General Requirements

Quality management system

- Either full accreditation to ISO 9001 (external) or
- Partial accreditation by PCCP

General QA management requirements are;

- Control over documentation, records, purchasing, resources
- Risk assessment of jobs and appropriate risk amelioration
- Continuous improvement
- Management involvement – review etc

Pavement marking – General Requirements

General technical requirements are;

- Job control – inspection & test plans, operator access to job requirements, matching of skills, experience to client requirements
- Calibration of test equipment
- Regular maintenance of equipment
- Training of personnel – QA, OH&S, inspection & testing
- Access to standards, specifications, tender documents etc

Other requirements are;

- OH&S controls
- Environmental controls

Pavement marking – Specific Requirements

- Vehicle mounted application methods (mostly Classes 20 & 21)
- Vehicles are legal
- Control over application including achievement of bi-directional retroreflectivity
- Proficiency in achieving line width/length/thickness and straightness criteria
- Experience with markings other than centre lines – arrows, transverse lines etc.
- Skills & experience with RPMs, car park markings, audio-tactile markings, high friction surfacings
- Design and lay-out of intersection markings
- Traffic control – vehicle & pedestrian

PCCP Accreditation – Summary

Requirements

- Control over business processes – quality management system
 - Risk assessment & management
 - Control over purchasing, processes, improvement, equipment
 - Records, documents
 - Management involvement & review
- Technical capability
- Customer satisfaction

PCCP Accreditation

The Process for Contractors

- Application form
- Service Agreement signed & returned
- All OK? Schedule an audit
- Rectify all audit non-conformances & provide evidence
- PCCP issues certificate of compliance
- Re-audit after 2 years (or earlier)

The process for road authorities

- Make application to become a Member
- Pay the annual subscription

- Web site; www.apas.gov.au/pccp

APAS

Certification for paint products

- Paint manufacturers
- ISO9001 + technical competence + manufacture best practice
- Compliance to a performance specification usually based on AS document/s
- 2-yearly audits of manufacturers to ensure compliance
- Formulation control & validation of changes
- APAS issues certificate of compliance with expiry date

APAS

The advantage for Member road authorities

- Tender document or specification statement/s;
- “Pavement marking paints shall have a current certificate of compliance to APAS 0041/x”
- “Painting contractors shall hold a current accreditation certificate from PCCP for Class X (or Y) in the Pavement Marking category”.
- Further details; www.apas.gov.au

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