

Transport and Main Roads new harmonised asphalt specifications

Warranty, prequalification, mix design, roles and timeline

Michael Pickering, Director (Pavements Research and Innovation) |
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Government Priorities

Four pillars of the Queensland economy

Tourism

Agriculture

Resources

Construction

The Queensland Plan

A 30-year vision for Queensland



Our values



Customers
First



Ideas into
Actions



Unleash
Potential



Be
Courageous



Empower
People

We connect Queenslanders ...

- We get people and industry moving
- We plan, we invest
- We deliver, we manage
- We regulate
- We help, we educate



Outline

- Important changes within or supporting harmonisation
 - Warranty
 - Prequalification (nee registration)
 - Mix design
 - Changes in roles
 - Timeline.

Warranty

12 months

- Surface shape

24 months

- No rutting
- No ravelling
- No shoving or bleeding

Warranty

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graph TD; A[12 months  
• Surface shape] --> C((Warranty)); B[24 months  
• No rutting  
• No ravelling  
• No shoving or bleeding] --> C;
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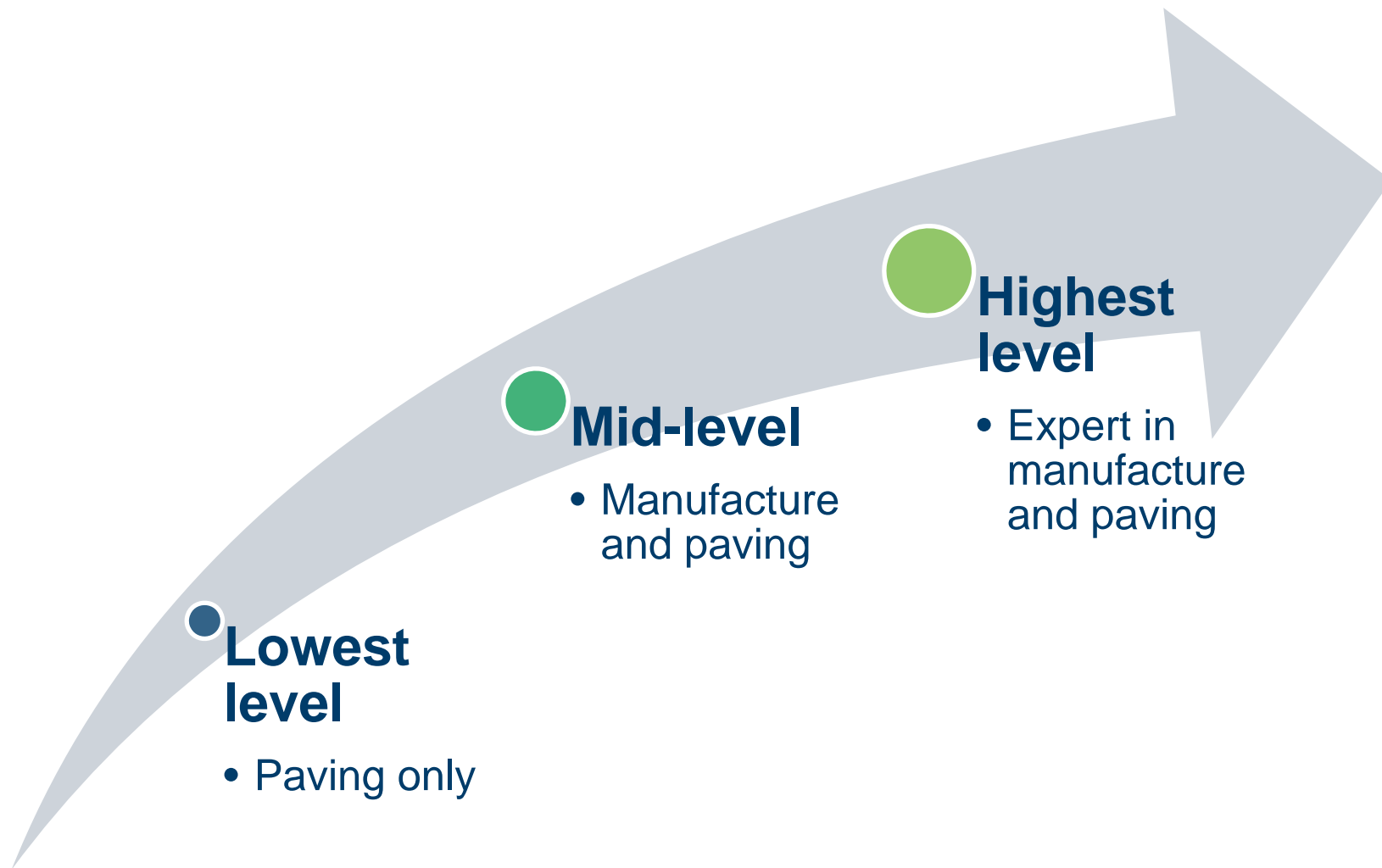
Warranty (continued)

- Enacted via
 - Prequalification system
 - Deed.

Prequalification

- Harmonised with National Prequalification System (NPS) for civil (Road and Bridge) construction contracts
 - Consistent approach
 - One integrated system
 - Link to warranty
 - Local specialist category.

Prequalification (continued)



Mix design

- Mix design
 - Supplier responsible
 - Compliant designs registered.

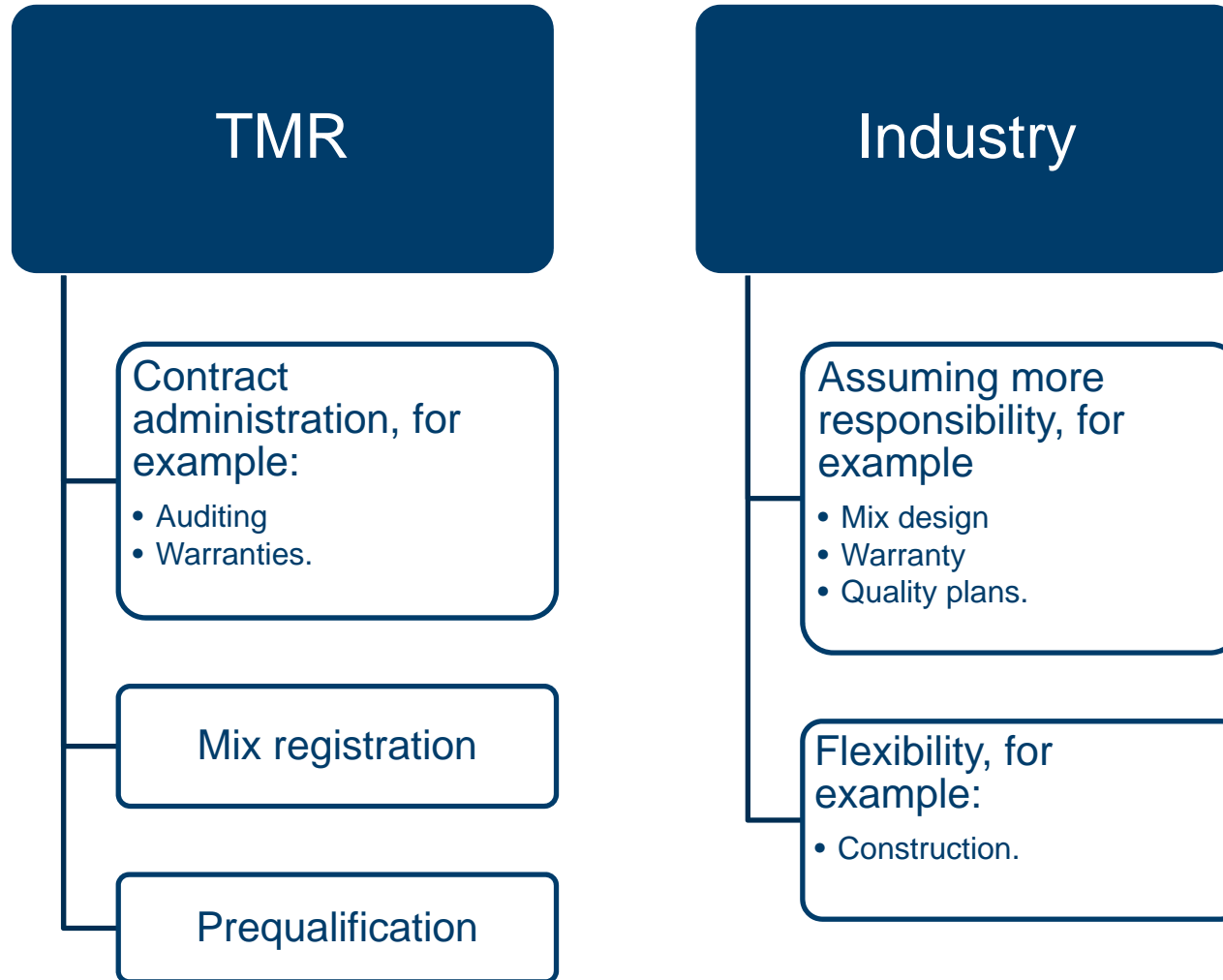


Mix design (continued)

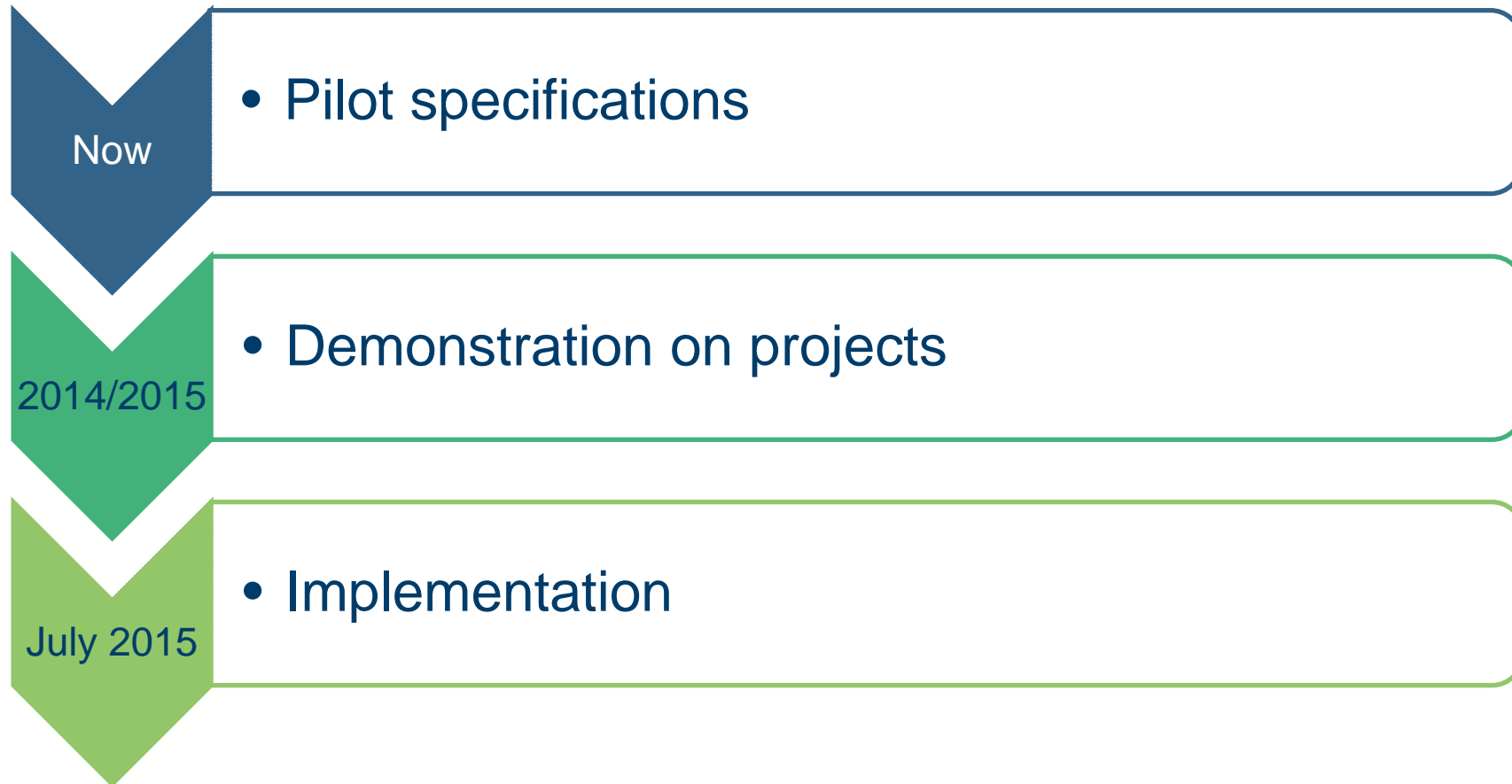
- Acceptance based on production.



Changes in roles



Timeline



A final note

- Quarry Registration System (QRS)
 - Included in new specifications
 - Quarry specific testing frequencies
 - Source rock properties only.
 - Targeting implementation from January 2015.

Pavements Research and Innovation

What we do

- Technical specifications including unbound granular materials, bitumen, sealing, asphalt and concrete
- Project specific technical specifications such as stone mastic asphalt, cement modified base, high standard granular, subgrade
- Guide notes, test methods and approved product lists
- Pavement design supplement
- Specialist technical advice
- Peer review
- Innovation assessment
- TMR/ARRB research
- Austroads
- Registration of asphalt suppliers and mixes
- Technical training.

Pavements Research and Innovation

Mike Pickering, Director
(Pavements, Research
and Innovation),
3066 7741

- Overarching and general enquiries
- Austroads Pavements Task Force

Peter Bryant, Principal
Engineer (Pavement
Design), 3066 7743

- Pavement design
- Concrete pavements
- Cement modified pavements

Narelle Dobson,
Principal Engineer
(Pavements and
Materials Development),
3066 7742

- Unbound pavement materials
- Recycled materials
- Heavy vehicles

Pavements Research and Innovation

Jason Jones, Principal Engineer (Asphalt and Surfacing), 3066 7726

- Asphalt
- Seals
- Surfacing

Barry Rule, Principal Advisor (Materials Testing), 3066 7719

- Asphalt supplier and mix design registration
- Bitumen and binders
- Pre-coating and anti-stripping (adhesion) agents

John Spathonis, Principal Manager (Research and Development), 3066 6465

- Mechanical engineering
- Austroads Technology Program Manager

Thank you
