

National Training Framework for Temporary Traffic Management

17 August 2020



Technical Webinar



Austroads acknowledges the Australian Aboriginal and Torres Strait Islander peoples as the first inhabitants of the nation and the traditional custodians of the lands where we live, learn and work. We pay our respects to Elders past, present and emerging for they hold the memories, traditions, culture and hopes of Aboriginal and Torres Strait Islander peoples of Australia.

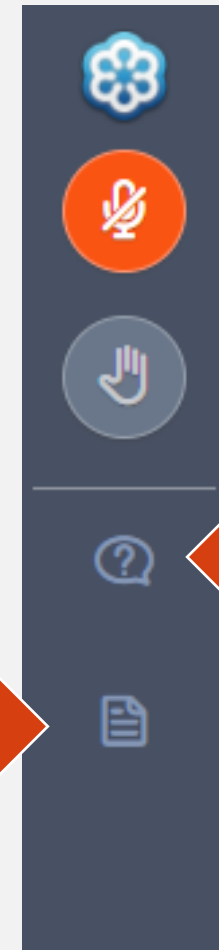
Austroads acknowledges and respects the Treaty of Waitangi and Maori as the original people of New Zealand.

Housekeeping



Presentation = 60 mins

Question time = 30 mins



Type questions here

Let us know the slide number your question relates to

Today's agenda



National Training Framework for Temporary Traffic Management	Presenter
Introduction	Richard Delplace
Explanation of Framework	Thuan Nguyen
What's next	Richard Delplace
Q+A	Both presenters



Richard Delplace

Program Manager – Transport Network Operations
Austroads



Thuan Nguyen

Technical Coordinator
Safe System Solutions Pty Ltd

Introduction

Richard Delplace



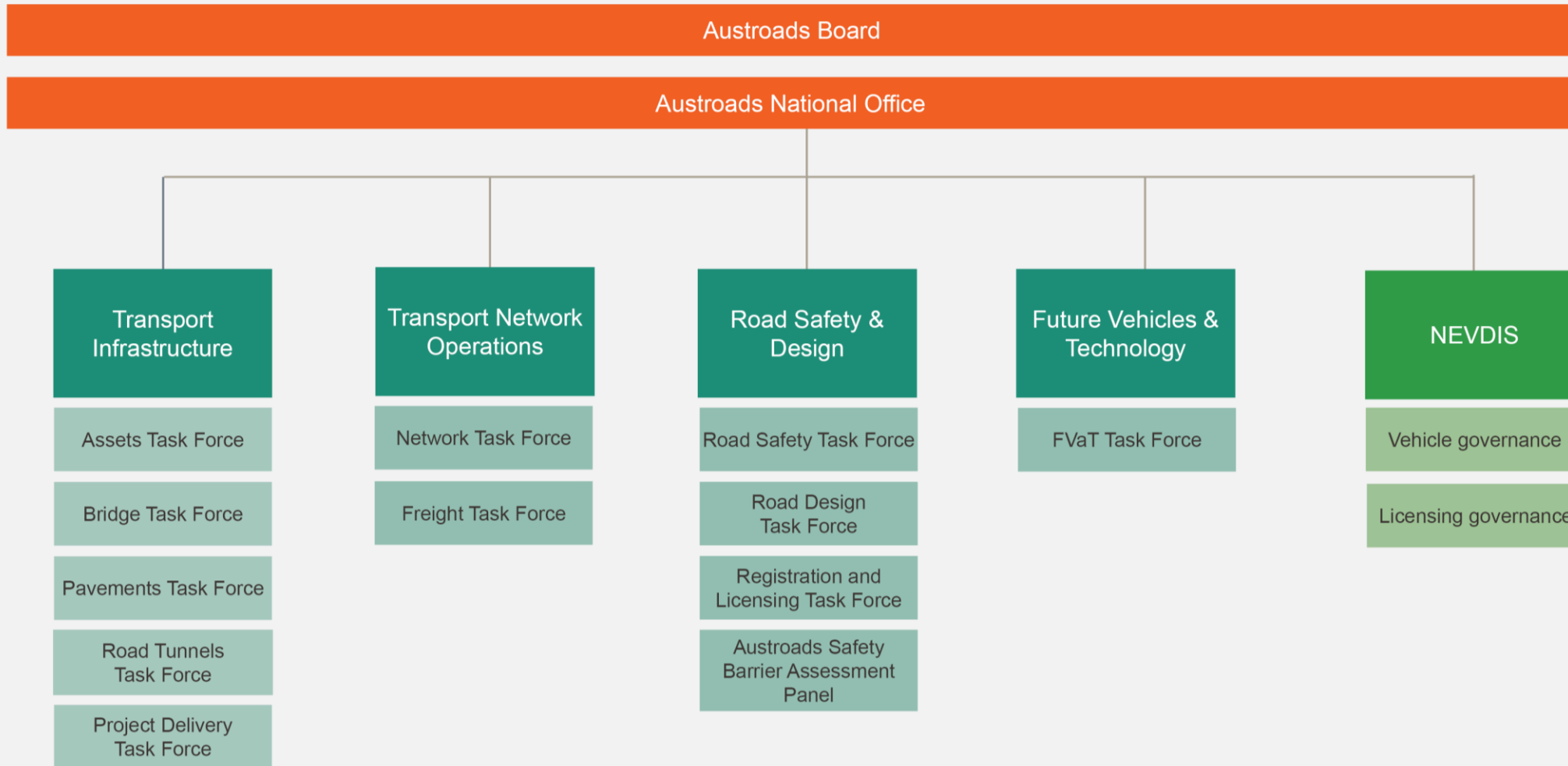
About Austroads



The collective of Australasian transport and traffic agencies

- Transport for NSW
- Department of Transport Victoria
- Department of Transport and Main Roads Queensland
- Main Roads Western Australia
- Department of Planning, Transport and Infrastructure South Australia
- Department of State Growth Tasmania
- Department of Infrastructure, Planning and Logistics Northern Territory
- Transport Canberra and City Services Directorate Australian Capital Territory
- Department of Infrastructure, Transport, Regional Development and Communications
- Australian Local Government Association
- New Zealand Transport Agency

Our structure



Introduction to the team



Project Team

Austroads Program
Manager

Richard Delplace

Austroads Program
Coordinator

Rachel Hassan

Technical Coordinator
Safe System
Solutions Pty Ltd

Thuan Nguyen

Technical Support
Safe System
Solutions Pty Ltd

Domenic Gangi

Governance process

Austroads Board



Austroads Network Taskforce

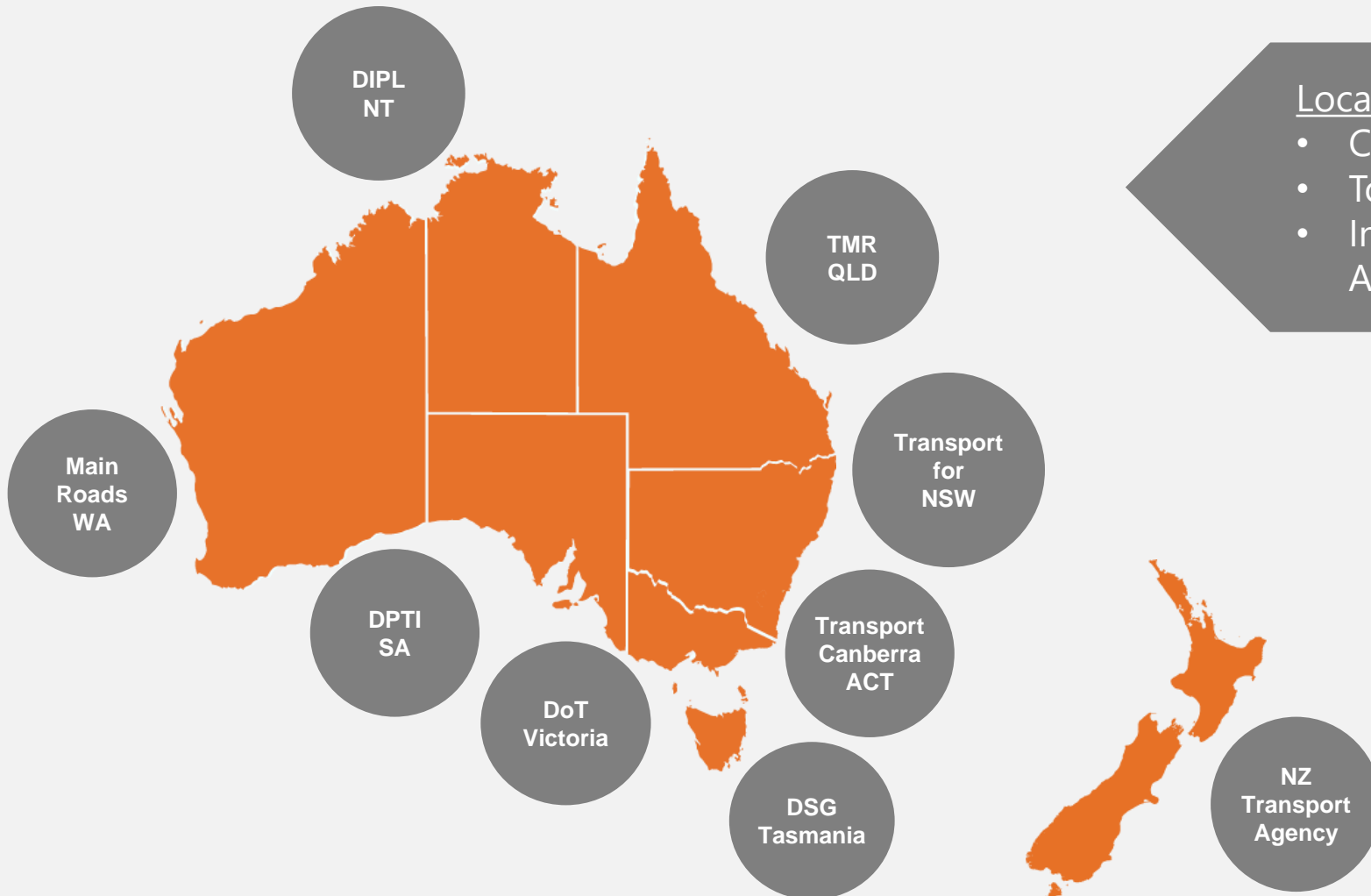


Austroads Temporary Traffic Management
Technical Reference Group



Stakeholders and industries

Austrroads Temporary Traffic Management Technical Reference Group (TTMTRG)



Local Governments Reps:

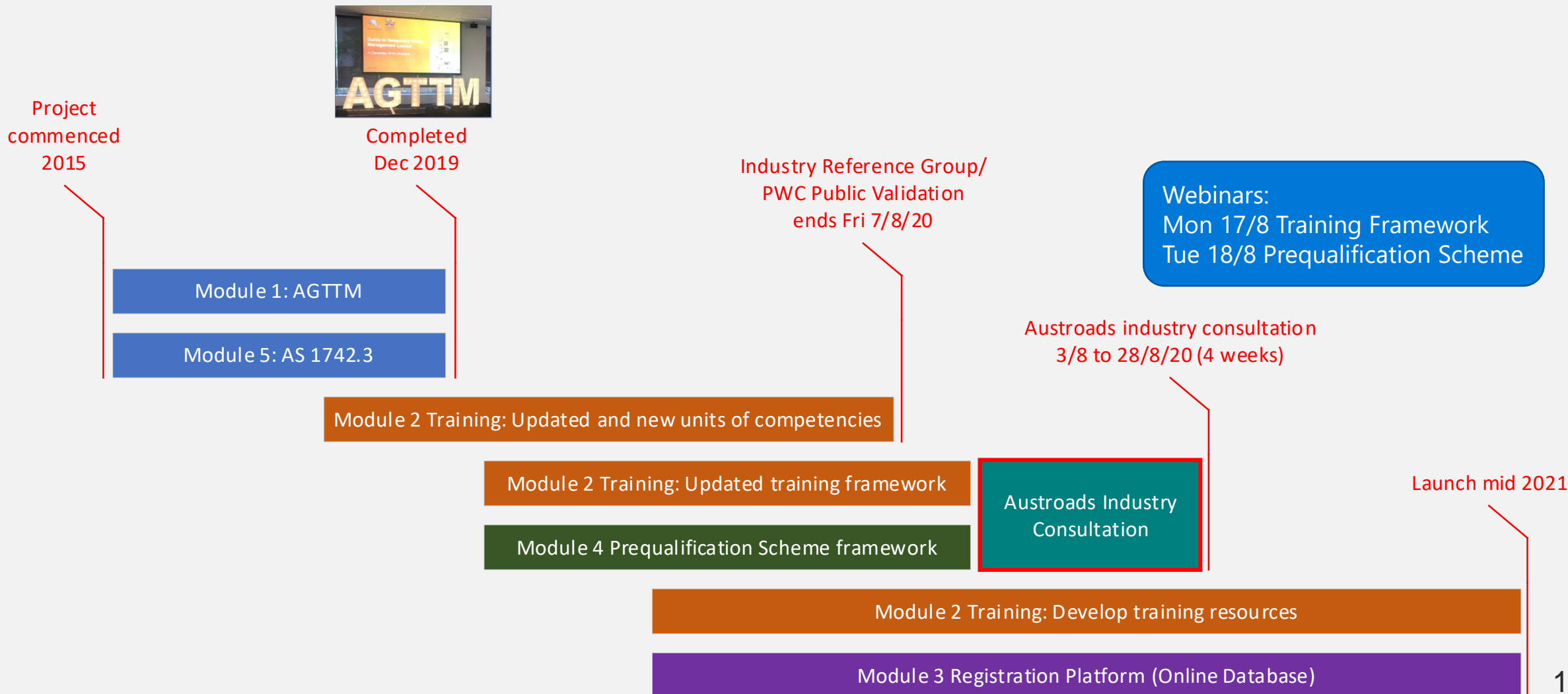
- City of Yarra (Vic)
- Toowoomba Regional Council (QLD)
- Institute of Public Works Engineering Australasia (IPWEA)

Austrroads temporary traffic management project



For more information, download Austrroads Guide to Temporary Traffic Management (free):
<https://austrroads.com.au/network-operations/network-management/temporary-traffic-management>

Austrroads temporary traffic management project

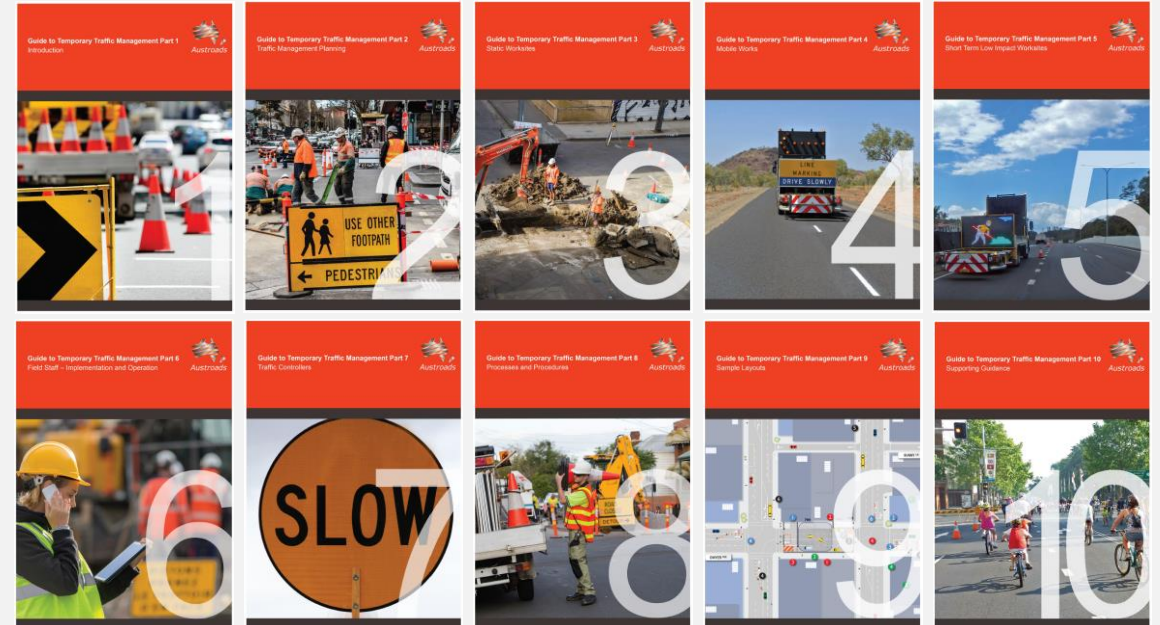


Austrroads Guide to Temporary Traffic Management



AGTTM 10 Parts:

- Part 1: Introduction
- Part 2: Traffic Management Planning
- Part 3: Static Worksites
- Part 4: Mobile Works
- Part 5: Short Term Low Impact Worksites
- Part 6: Field Staff – Implementation and Operation
- Part 7: Traffic Controllers
- Part 8: Processes and Procedures
- Part 9: Sample Layouts
- Part 10: Supporting Guidance.



Jurisdictions' adoption of AGTTM

- AGTTM has been developed as best practice
- It is maintained by Austroads through the TTMTRG
- Austroads member agencies are adopting the AGTTM as their primary jurisdictional guidance from early 2021 (to the exception of aspects relating to the Training Framework which will be adopted in the second half of 2021)
 - TfNSW is considering referring to the AGTTM but keeping their guidance as the primary reference
 - NZTA are currently reviewing their Code of Practice (CoPTTM) with further coordination with the AGTTM expected next financial year
- Queries on the AGTTM can be sent to austroads@austrroads.com.au
- Contact jurisdictions for further details on their own adoption of the AGTTM

National Training Framework

Key improvements/benefits to achieve improved safety at road worksites:

- Consistent training
- Harmonised and best practice
- Mutual recognition for individuals and RTOs
- Centralised online database, better information sharing
- Better auditing and compliance
- Less work for RTOs!

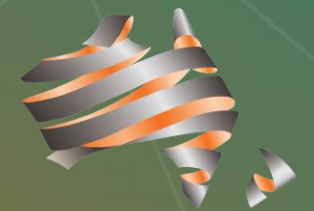


Jurisdictions' adoption of training framework

- All road authorities represented on the TTMTRG are Prospective Participating Agencies (i.e. are planning to adopt the national training framework following due review / Board approval processes, except:
 - Both TfNSW and NZTA involved in the TTMTRG in an observer capacity at this point in time with regards to the NTFTTM
 - In NSW, contact SafeWork NSW (www.safework.nsw.gov.au)
 - In New Zealand, contact Transport Agency (www.nzta.govt.nz)
- Local councils
 - Represented on the TTMTRG
 - Individual local councils to decide whether to adopt the national training framework
 - Coordination with local councils led by the state / territory road agencies

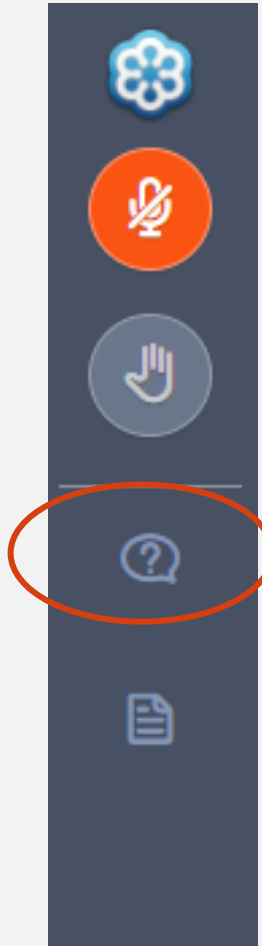
National Training Framework

Thuan Nguyen



Austroads

Send us your questions



Type questions here

Let us know the slide number your question relates to

National Training Framework

- Based on AGTTM Part 8, published in December 2019
- Overall objective of improving safety at road worksites



National Training Framework



Key changes for the industry:

1. Traffic Management roles and road categories
2. Training requirements for individuals
3. Training delivery for Registered Training Organisations (RTOs)
4. Registration Platform (Centralised on-line database)

1. Traffic Management Roles and Road Categories

Three defined traffic management roles:

- Traffic Controller (TC)
- Traffic Management Implementer (TMI)
- Traffic Management Designer (TMD)

1. Traffic Management Roles and Road Categories

- **Category 1 (most urban streets and lower volume rural roads)**

- Posted speed and AADT of:
 - any speed limit with less than 3,000 vehicles per day AADT
 - a speed limit of less than 60 km/h and traffic volumes between 3,000 and 10,000 vehicles per day AADT
- The characteristics of these roads are generally recognised as:
 - roads (with or without a centre line), sealed and unsealed
 - two lanes two way, and sections including one-way single lane, and overtaking lanes.

- **Category 2 (high-volume roads)**

- Posted speed and AADT of:
 - a speed limit greater than, or equal to 60 km/h and traffic volume greater than, or equal to 3,000 vehicles per day AADT
 - any speed limit with traffic volumes greater than, or equal to 10,000 vehicles per day AADT.
- Signalised intersections
- The characteristics of these roads are recognised as:
 - multilane or divided roads
 - high speed highways.
- This Category of road:
 - may include major urban streets in the central business district, some arterial roads
 - generally requires larger signs
 - generally requires signs on both sides of the road
 - Stringent criteria for mobile operations apply to this Category of TTM.

- **Category 3 (high-volume & high-speed roads, motorways, freeways)**

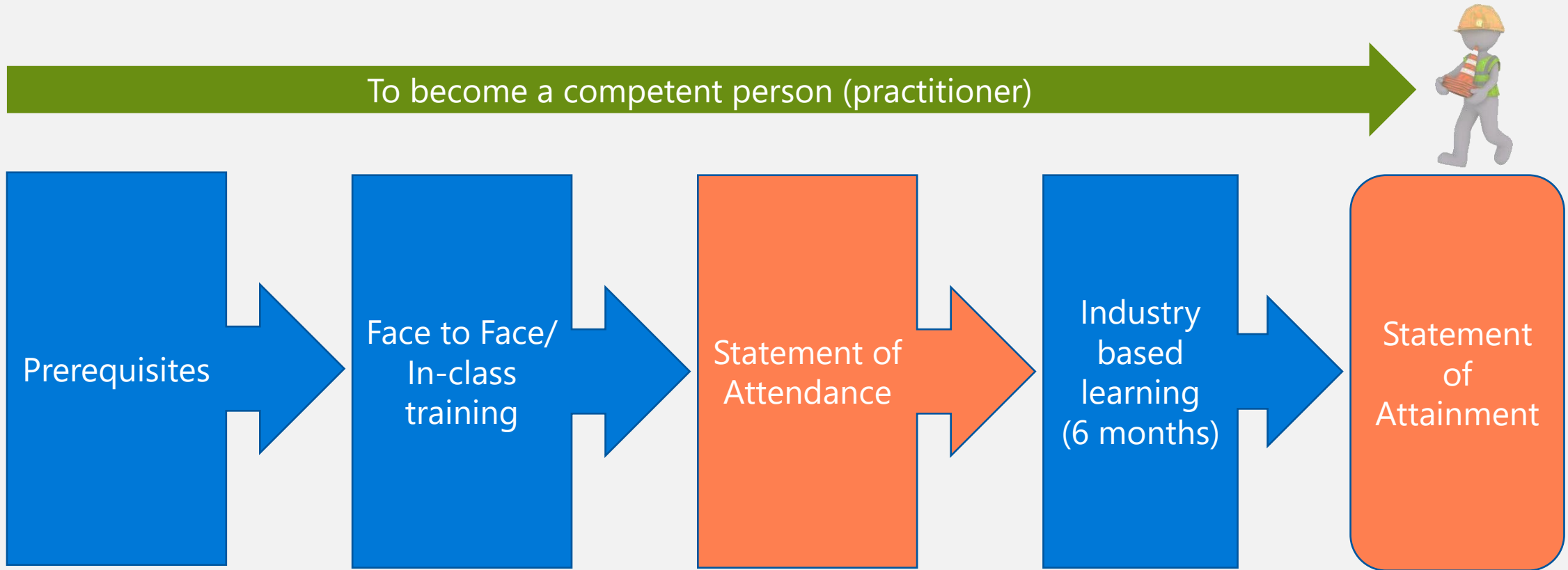
- These are high-volume expressways, or high volume/high-speed multi-lane expressways with a divided carriageway
- Any expressway and any associated on-ramp or off- ramps
- Grade separated road with speed limit greater than, or equal to 90 km/h. Traffic volumes are generally greater than 20,000 VPD but can be lower
- For this Category, TMA's shall be used when setting up or removing static worksites.

1. Traffic Management Roles and Road Categories

Eight qualifications:

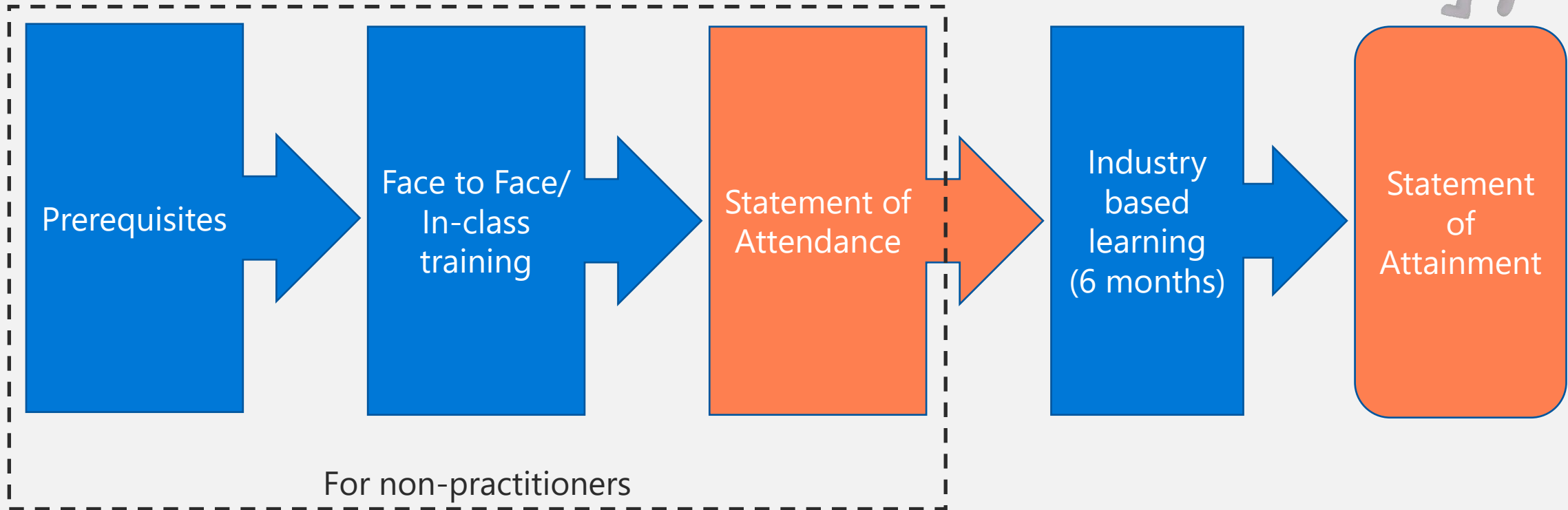
Roles	Road Category 1	Road Category 2	Road Category 3
Traffic Controller	TC1	TC2	N/A (Portable Traffic Control Devices only)
Traffic Management Implementer	TMI1	TMI2	TMI3
Traffic Management Designer	TMD1	TMD2	TMD3

2. Training Requirements for Individuals



2. Training Requirements for Individuals

To become a competent person (practitioner)



2. Training Requirements for Individuals

Prerequisites

Roles	Road Category 1	Road Category 2	Road Category 3
Traffic Controller	None	<ul style="list-style-type: none"> • Completion of TC1 • Minimum of 3 months experience, and • At least 80 hours experience in the preceding 3 months 	N/A
Traffic Management Implementer	None	<ul style="list-style-type: none"> • Completion of TMI1 • Minimum of 3 months experience; and • Within the last 12 months, at least 12 set ups of different types 	
Traffic Management Designer	Either <ul style="list-style-type: none"> • A minimum of 12 months appropriate experience in temporary traffic management, which could include experience as an Implementer, Or • A tertiary qualification in a civil construction, traffic engineering or road design related field. 	<ul style="list-style-type: none"> • Completion of TMD1 • Minimum of 12 months experience; and • Within the last 12 months, at least 4 different traffic management plan design types 	

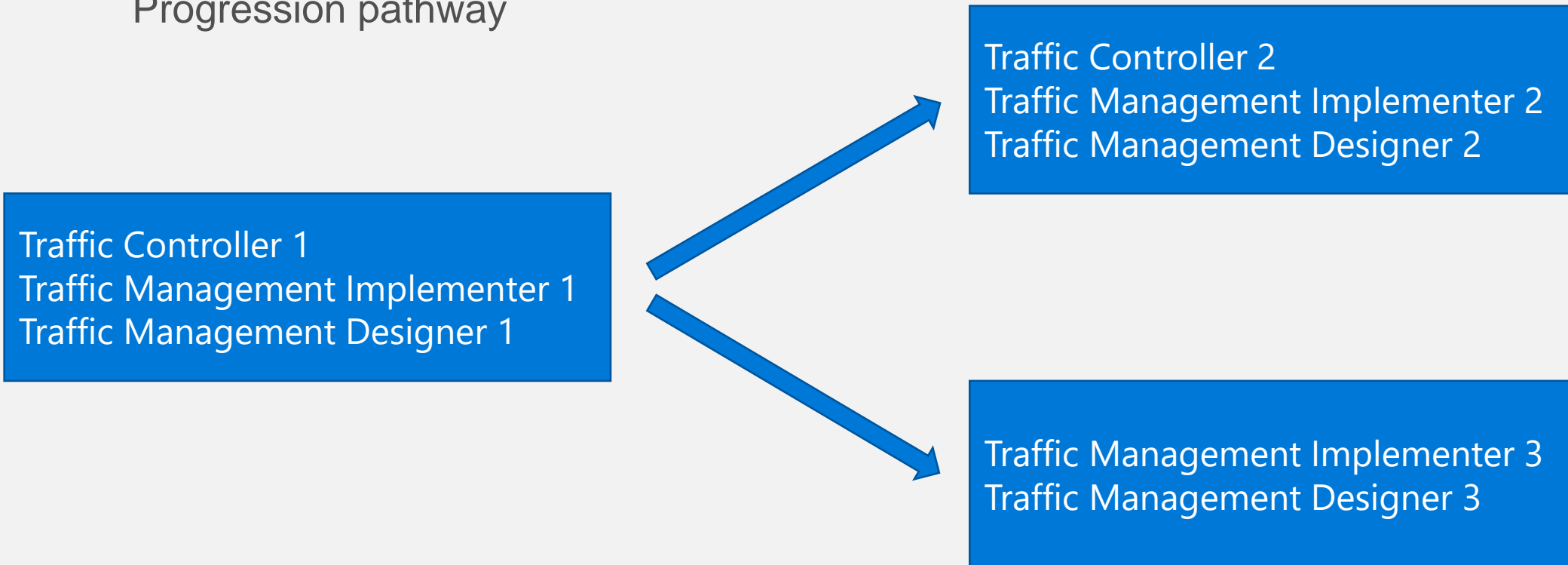
2. Training Requirements for Individuals

Industry based learning to be obtained within 6 months from date of Statement of Attendance

Roles	Road Category 1	Road Category 2	Road Category 3
Traffic Controller	Minimum of 20 hours practical on the job experience in the workplace	Minimum of 20 hours practical on the job experience in the workplace on category 2 roads	N/A
Traffic Management Implementer	At least 3 different types of setups.	At least 3 different types of setups on Category 2 roads	At least 3 different types of setups on Category 2 roads
Traffic Management Designer	Submission of at least 2 different traffic management plan design types that have been implemented	Submission of at least 2 different traffic management plan design types that have been implemented for category 2 roads	Submission of at least 2 different traffic management plan design types that have been implemented for category 3 roads

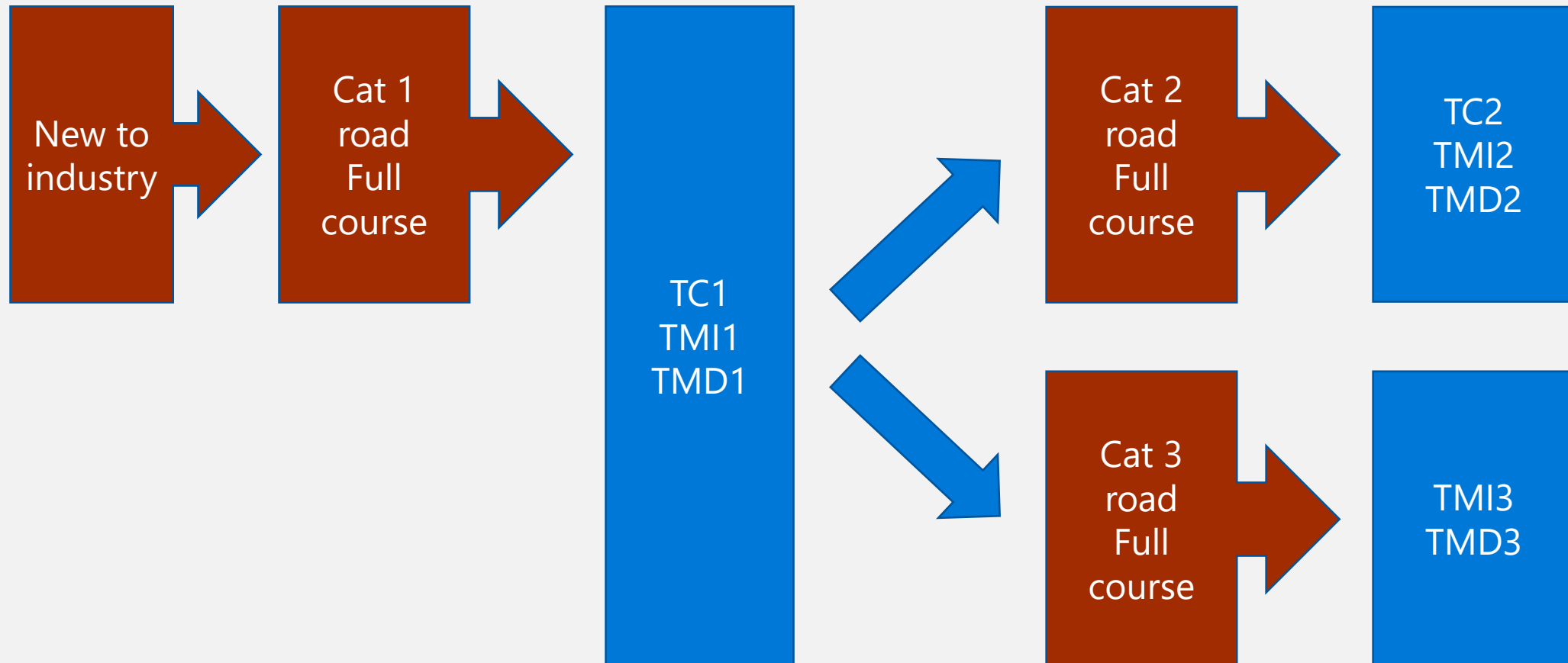
2. Training Requirements for Individuals

Progression pathway



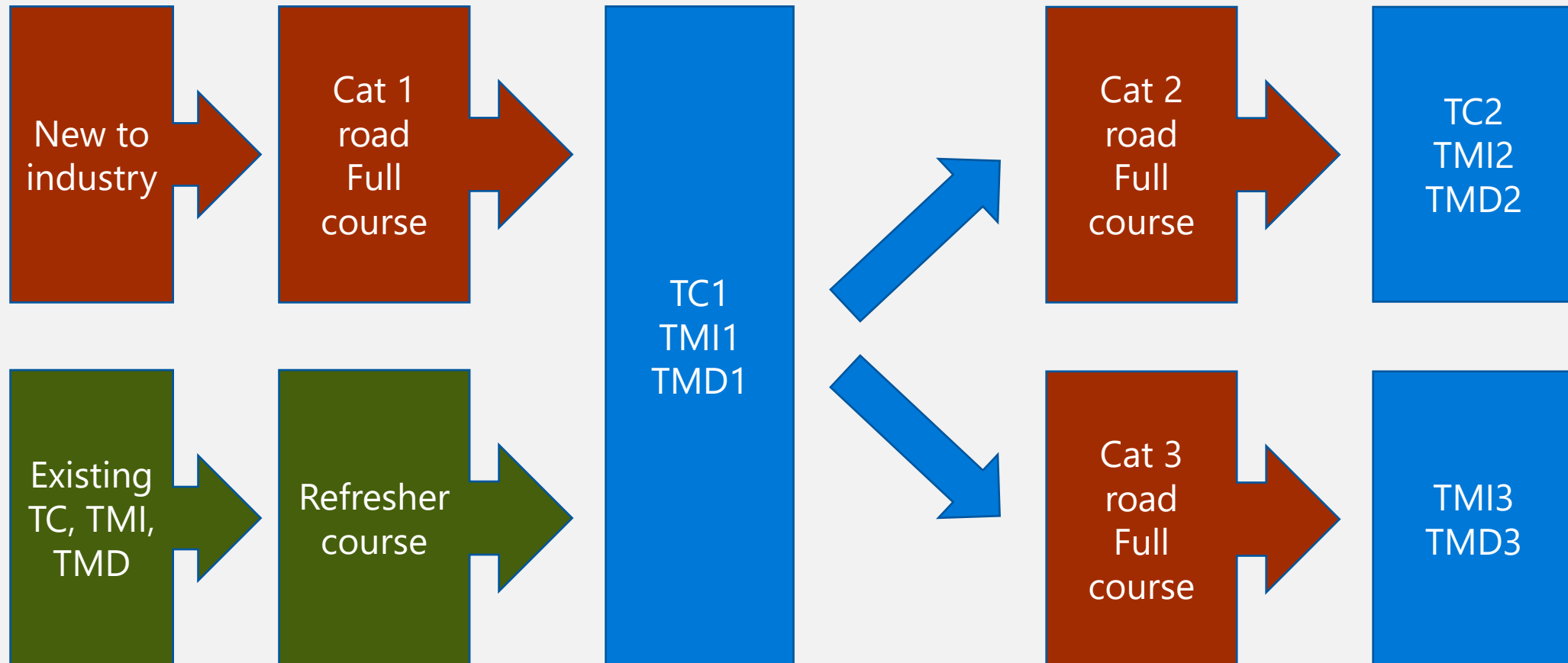
2. Training Requirements for Individuals

12-month transition period



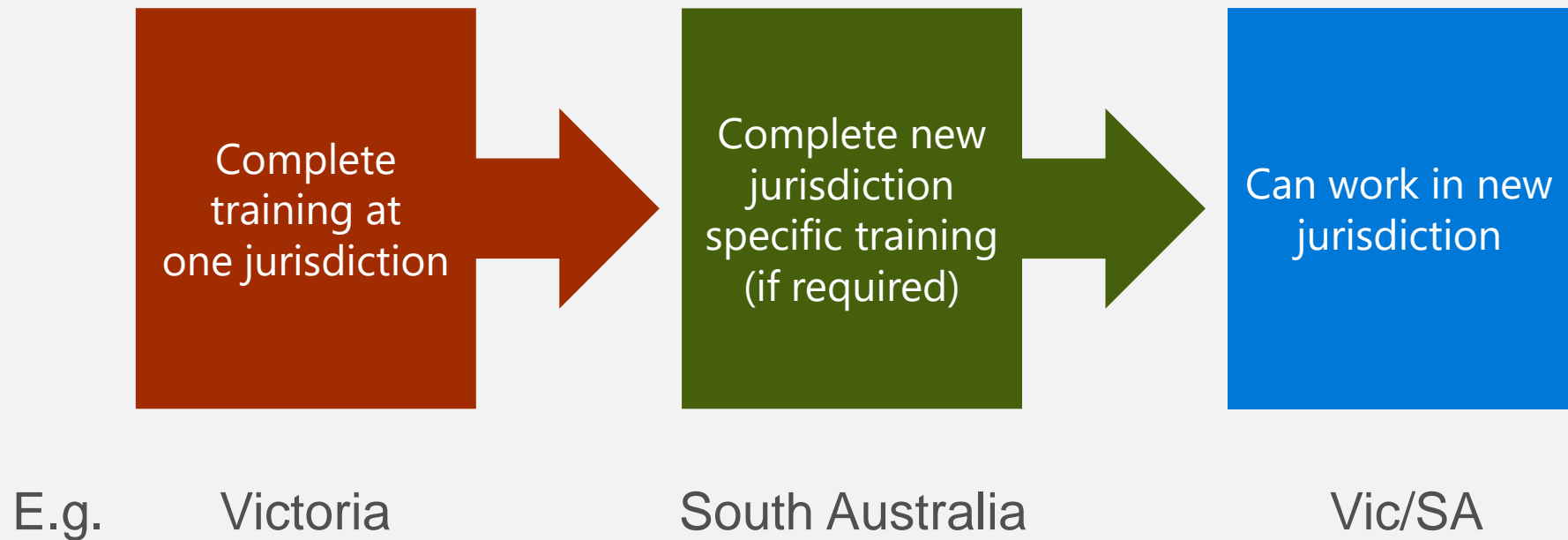
2. Training Requirements for Individuals

12-month transition period



2. Training Requirements for Individuals

Mutual Recognition

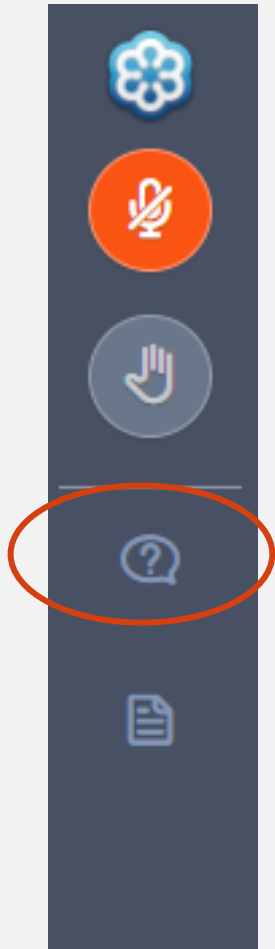


2. Training Requirements for Individuals

Notes:

- Renewal requirement: individuals will need to do refresher training every 3 years, if not, full training is required
- On-going auditing
- Auditing and Non-conformances will be managed by Participating Agencies
- Information will be shared across all jurisdictions

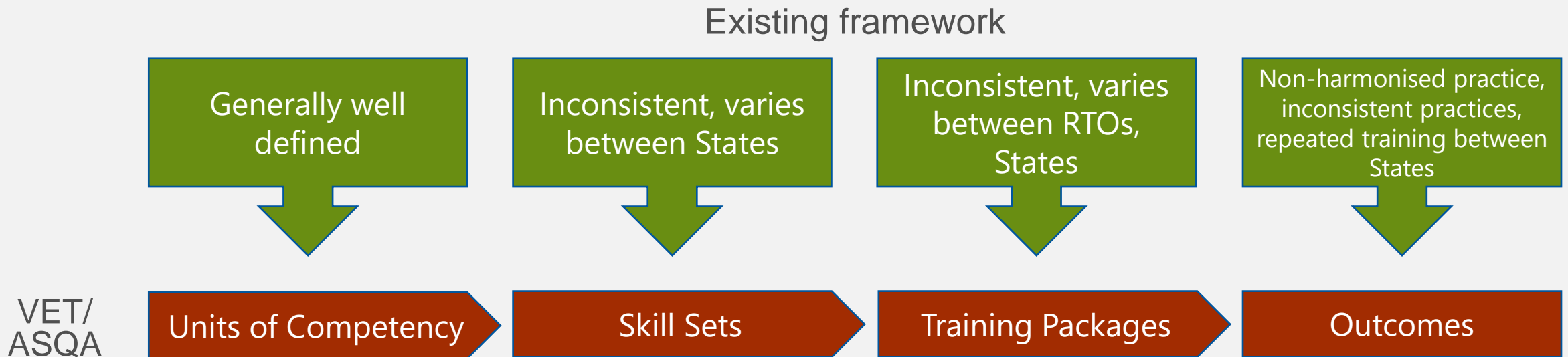
Send us your questions



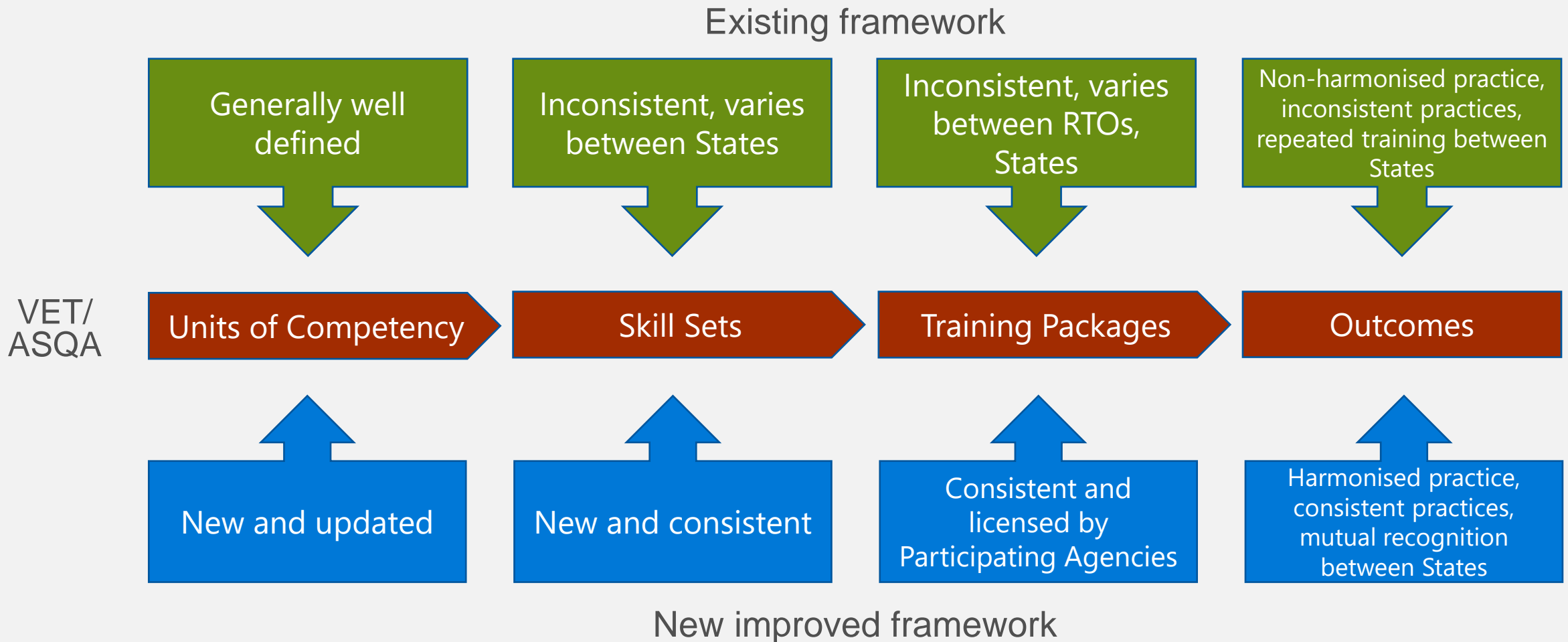
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Let us know the slide number your question relates to

3. Training delivery for RTOs

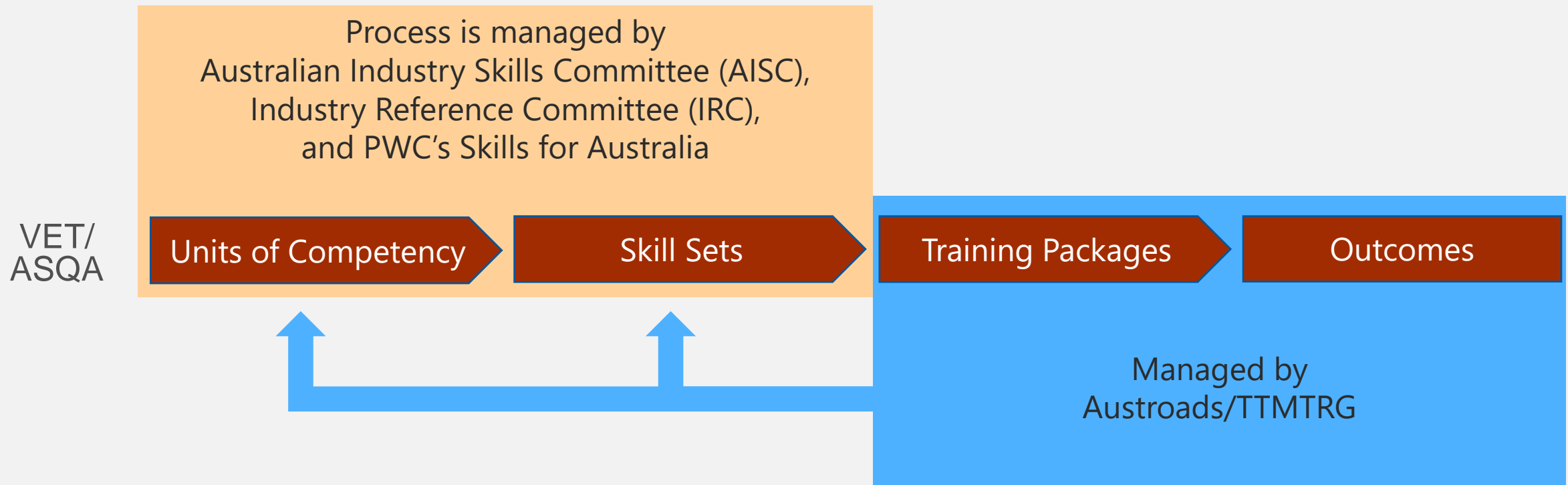


3. Training delivery for RTOs



3. Training delivery for RTOs

Harmonised training and introduction of road categories requires updated/new UoCs and Skill Sets



UoC = Unit of Competency
TTMTRG = Temporary Traffic Management Technical Reference Group

Units of Competency

Skill Sets

Training Packages


Outcomes



Roles	Existing Key UoCs	Update existing UoCs	New UoCs for Cat 2 and Cat 3 roads
Traffic Controller	RIIWHS205D – Control traffic with stop-slow bat	RIIWHS205E – Control traffic with stop-slow bat	RIIWHS207 – Control traffic on High Volume Roads
Traffic Management Implementer	RIIWHS302D – Implement traffic management plans	RIIWHS302E – Implement traffic management plans	RIIWHS304 – Implement traffic management plans on high volume roads RIIWHS305 – Implement traffic management plans on motorways and freeways
Traffic Management Designer	RIICWD503D – Prepare traffic management plans and traffic guidance schemes	RIICWD503E – Prepare traffic management plans and traffic guidance schemes	RIICWD538 – Prepare traffic management plans for high volume roads RIICWD539 – Prepare traffic management plans for motorways and freeways



Roles	Existing Key UoCs	Updated UoCs	New UoCs
Traffic Controller	RIIWHS205D	RIIWHS205E for TC1	RIIWHS207 for TC2
Traffic Management Implementer	RIIWHS302D	RIIWHS302E for TMI1	RIIWHS304 for TMI2 RIIWHS305 for TMI3
Traffic Management Designer	RIICWD503D	RIICWD503E for TMD1	RIICWD538 for TMD2 RIICWD539 for TMD3

- 
- Discussion commenced in 2018
 - Industry consultation May/June 2019
 - IRC endorsed 3 updated UoCs Oct 2019, published early 2020
 - Further works required for 5 new UoCs



Units of Competency

Skill Sets

Training Packages

Outcomes

Roles	Existing Key UoCs	Updated UoCs	New UoCs
Traffic Controller	RIIWHS205D	RIIWHS205E for TC1	RIIWHS207 for TC2
Traffic Management Implementer	RIIWHS302D	RIIWHS302E for TMI1	RIIWHS304 for TMI2 RIIWHS305 for TMI3
Traffic Management Designer	RIICWD503D	RIICWD503E for TMD1	RIICWD538 for TMD2 RIICWD539 for TMD3

Approved and Published

- Further works in early 2020
- Industry consultation May/June 2020
- Public validation Jul/Aug 2020
- Published in late 2020



Roles	Existing Key UoCs	Updated UoCs	New UoCs
Traffic Controller	RIIWHS205D	RIIWHS205E for TC1	RIIWHS207 for TC2
Traffic Management Implementer	RIIWHS302D	RIIWHS302E for TMI1	RIIWHS304 for TMI2 RIIWHS305 for TMI3
Traffic Management Designer	RIICWD503D	RIICWD503E for TMD1	RIICWD538 for TMD2 RIICWD539 for TMD3

Approved and Published

Australroads National Training Framework Industry Consultation
3 Aug to 28 Aug 2020

- Further works in early 2020
- Industry consultation May/June 2020
- Public validation Jul/Aug 2020
- Published in late 2020

Units of Competency

Skill Sets

Training Packages

Outcomes



Eight new skill sets for eight new training courses:

- TC1: RIISS00054 Traffic Controller Skill Set for Urban Streets and Low Volume Rural Roads
- TC2: RIISS00063 Traffic Controller Skill Set for High Volume Roads
- TMI1: RIISS00055 Traffic Management Implementer Skill Set for Urban Streets and Low Volume Rural Roads
- TMI2: RIISS00064 Traffic Management Implementer Skill Set for High Volume Roads
- TMI3: RIISS00065 Traffic Management Implementer Skill Set for Motorways and Freeways
- TMD1: RIISS00056 Traffic Management Designer Skill Set for Urban Streets and Low Volume Rural Roads
- TMD2: RIISS00066 Traffic Management Designer Skill Set for High Volume Roads
- TMD3: RIISS00067 Traffic Management Designer Skill Set for Motorways and Freeways.

Units of Competency

Skill Sets

Training Packages

Outcomes



Roles	Skill Sets/Units of Competency
Traffic Controller TC1	RIISS00054 Traffic Controller Skill Set for Urban Streets and Low Volume Rural Roads <ul style="list-style-type: none">• RIIWHS201E – Work safely and follow WHS policies and procedures• RIICOM201E – Communicate in the workplace• RIIWHS205E – Control traffic with stop-slow bat• RIIWHS206 – Control traffic with portable traffic control devices and temporary traffic signs
Traffic Controller TC2	RIISS00063 Traffic Controller Skill Set for High Volume Roads <ul style="list-style-type: none">• RIIWHS207 – Control traffic on High Volume Roads

Units of Competency

Skill Sets

Training Packages

Outcomes



Roles	Skill Sets/Units of Competency
Traffic Mgt Implementer TMI1	RIISS00055 Traffic Management Implementer Skill Set for Urban Streets and Low Volume Rural Roads <ul style="list-style-type: none"> • RIIWHS201E – Work safely and follow WHS policies and procedures • RIICOM201E – Communicate in the workplace • RIIRIS301E – Apply risk management processes • RIIWHS302E – Implement traffic management plans • RIIWHS303 – Position, set up and program portable traffic control devices
Traffic Mgt Implementer TMI2	RIISS00064 Traffic Management Implementer Skill Set for High Volume Roads <ul style="list-style-type: none"> • RIIWHS304 – Implement traffic management plans on high volume roads • RIIBEF301D – Run on-site operations
Traffic Mgt Implementer TMI3	RIISS00065 Traffic Management Implementer Skill Set for Motorways and Freeways <ul style="list-style-type: none"> • RIIWHS305 – Implement traffic management plans on motorways and freeways • RIIBEF301D – Run on-site operations

Units of Competency

Skill Sets

Training Packages

Outcomes



Roles	Skill Sets/Units of Competency
Traffic Mgt Designer TMD1	RIISS00056 Traffic Management Designer Skill Set for Urban Streets and Low Volume Rural Roads <ul style="list-style-type: none">• RIIRIS402E – Carry out the risk management process• RIICWD503E – Prepare traffic management plans and traffic guidance schemes
Traffic Mgt Designer TMD2	RIISS00066 Traffic Management Designer Skill Set for High Volume Roads <ul style="list-style-type: none">• RIICWD538 – Prepare traffic management plans and traffic guidance schemes for high volume roads
Traffic Mgt Designer TMD3	RIISS00067 Traffic Management Designer Skill Set for Motorways and Freeways <ul style="list-style-type: none">• RIICWD539 – Prepare traffic management plans and traffic guidance schemes for motorways and freeways

Units of Competency

Skill Sets

Training Packages

Outcomes



Status of Units of Competency and Skill Sets

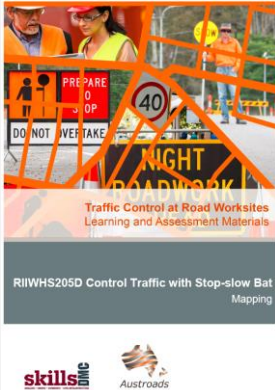
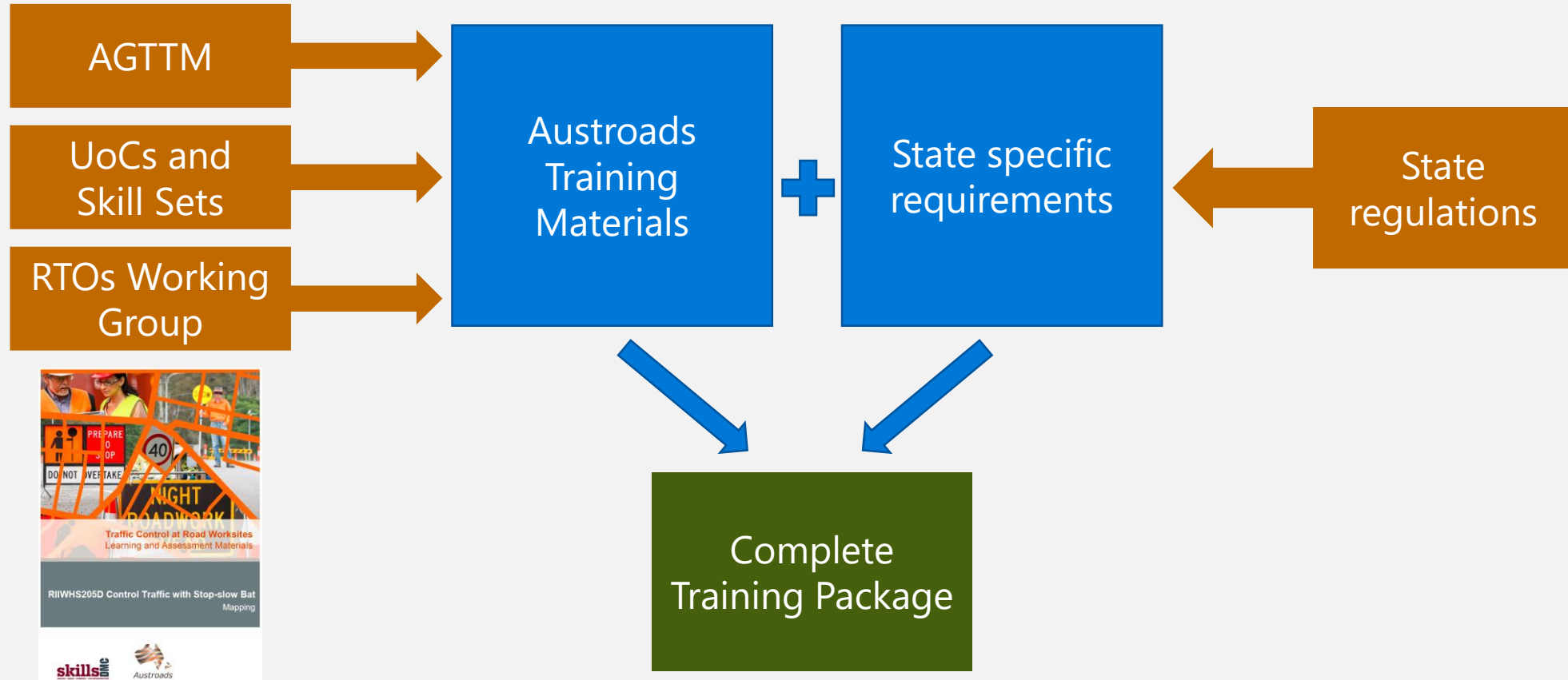
- Industry consultation (4 weeks) in May/Jun 20 (managed by PWC's Skills for Australia)
- Public validation (2 weeks) in Jul/Aug 20 – closed Friday 7th Aug
- Industry Reference Committee endorsement – Sep/Oct 20
- Approved and published on www.training.gov.au – Nov/Dec 20

The screenshot shows the training.gov.au website. At the top left is the logo for training.gov.au, described as a joint initiative of the Australian and State and Territory Governments. At the top right is the Australian Government crest. Below the logos is a table titled "Units of competency (2 results)". The table has three columns: Code, Title, and Usage recommendation. The first row shows code RIIWHS205E with title "Control traffic with stop-slow bat" and usage recommendation "Current". The second row shows code RIIWHS205D with the same title and usage recommendation "Superseded by: RIIWHS205E". At the bottom of the screenshot, there is a pagination bar showing "Items per page 10 | 20 | 50 | 100" and "Displaying items 1 - 2 of 2".

Units of competency (2 results)		
Code	Title ▲	Usage recommendation
RIIWHS205E	Control traffic with stop-slow bat	Current
RIIWHS205D	Control traffic with stop-slow bat	Superseded by: RIIWHS205E

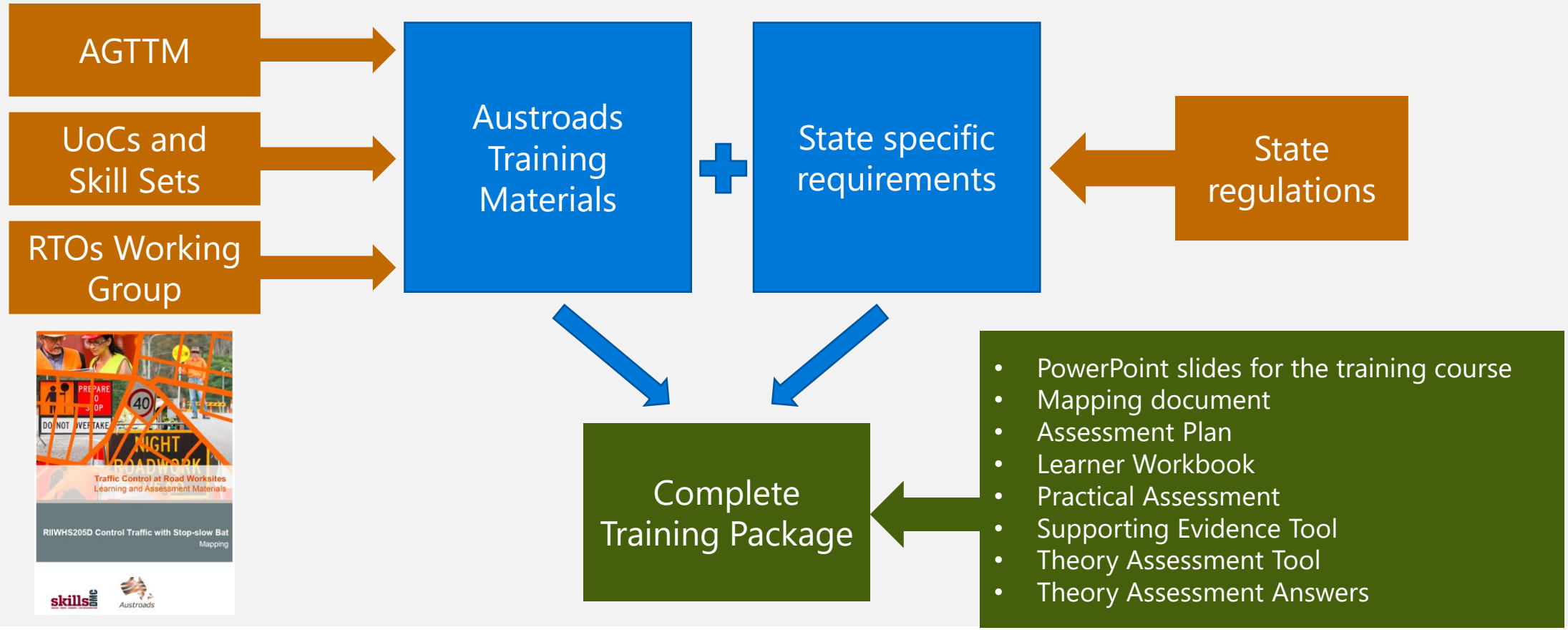


Eight training packages are being developed for the eight training courses





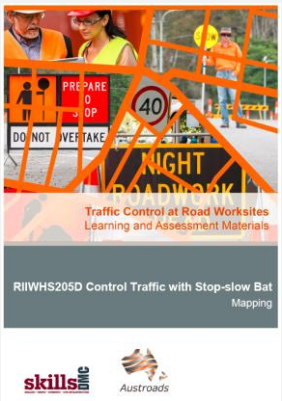
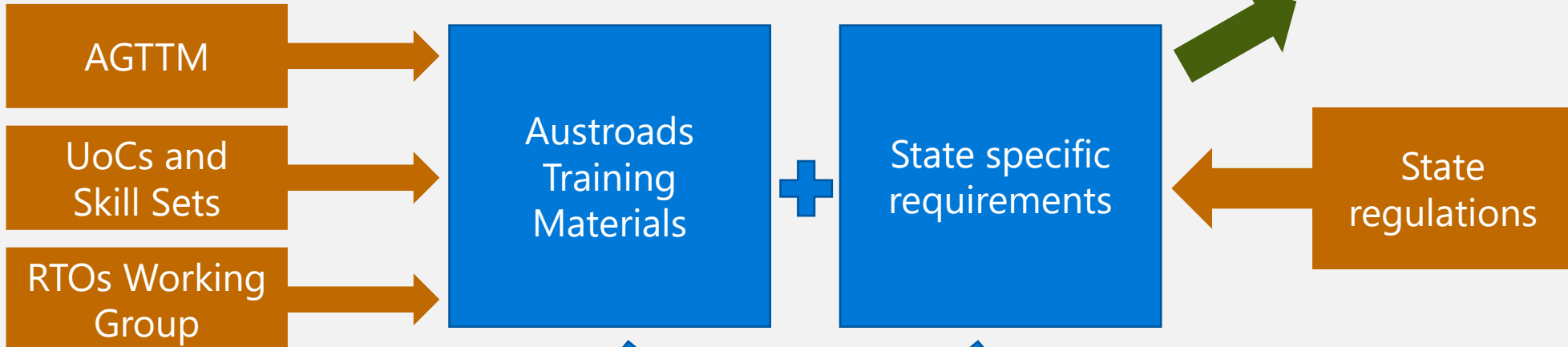
Eight training packages are being developed for the eight training courses

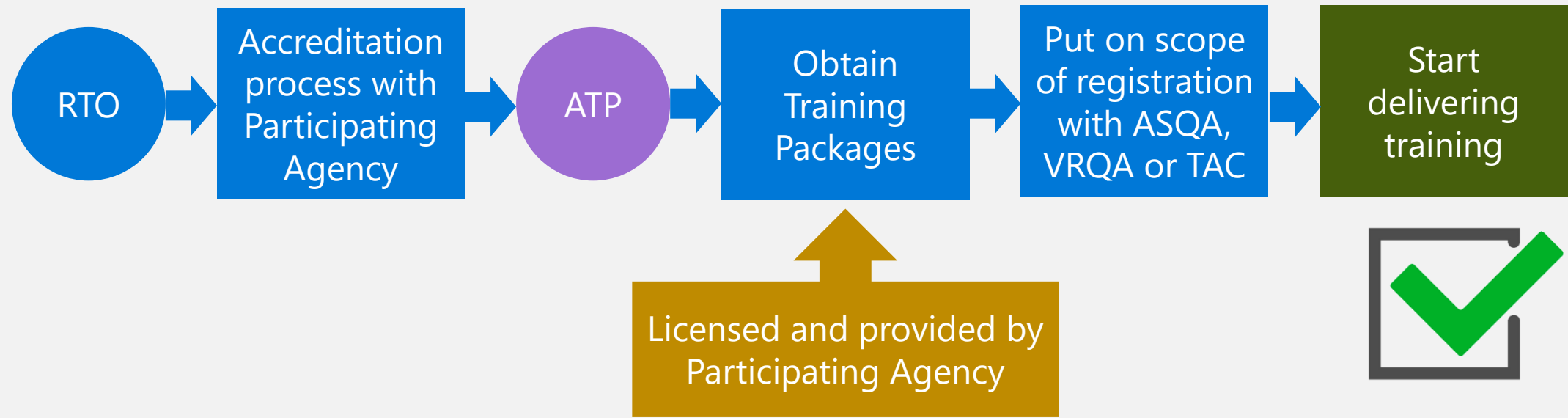




Eight training packages are being developed for the eight training courses

Materials to be used for Mutual Recognition training





RTO = Registered Training Organisation
ATP = Approved Training Provider
ASQA = Australian Skills Quality Authority
VRQA = Victorian Registration and Qualifications Authority
TAC = Training Accreditation Council (Western Australia)

3. Training delivery for RTOs

Transition process:

- RTOs can register with Participating Agencies to become Approved Training Providers from early 2021
- New and Refresher training courses can start being delivered from mid 2021

3. Training delivery for RTOs

Mutual Recognition



3. Training delivery for RTOs

Notes:

- Assessment criteria for RTOs to become ATP are being finalised
- Licensing fees are being determined and will be based on a Cost Recovery model
- Training Packages licencing fees will be renewed annually
- On-going auditing of Approved Training Providers
- Audits and Non-conformances will be managed by Participating Agencies
- Information will be shared across all jurisdictions

4. Registration Platform (Centralised on-line database)

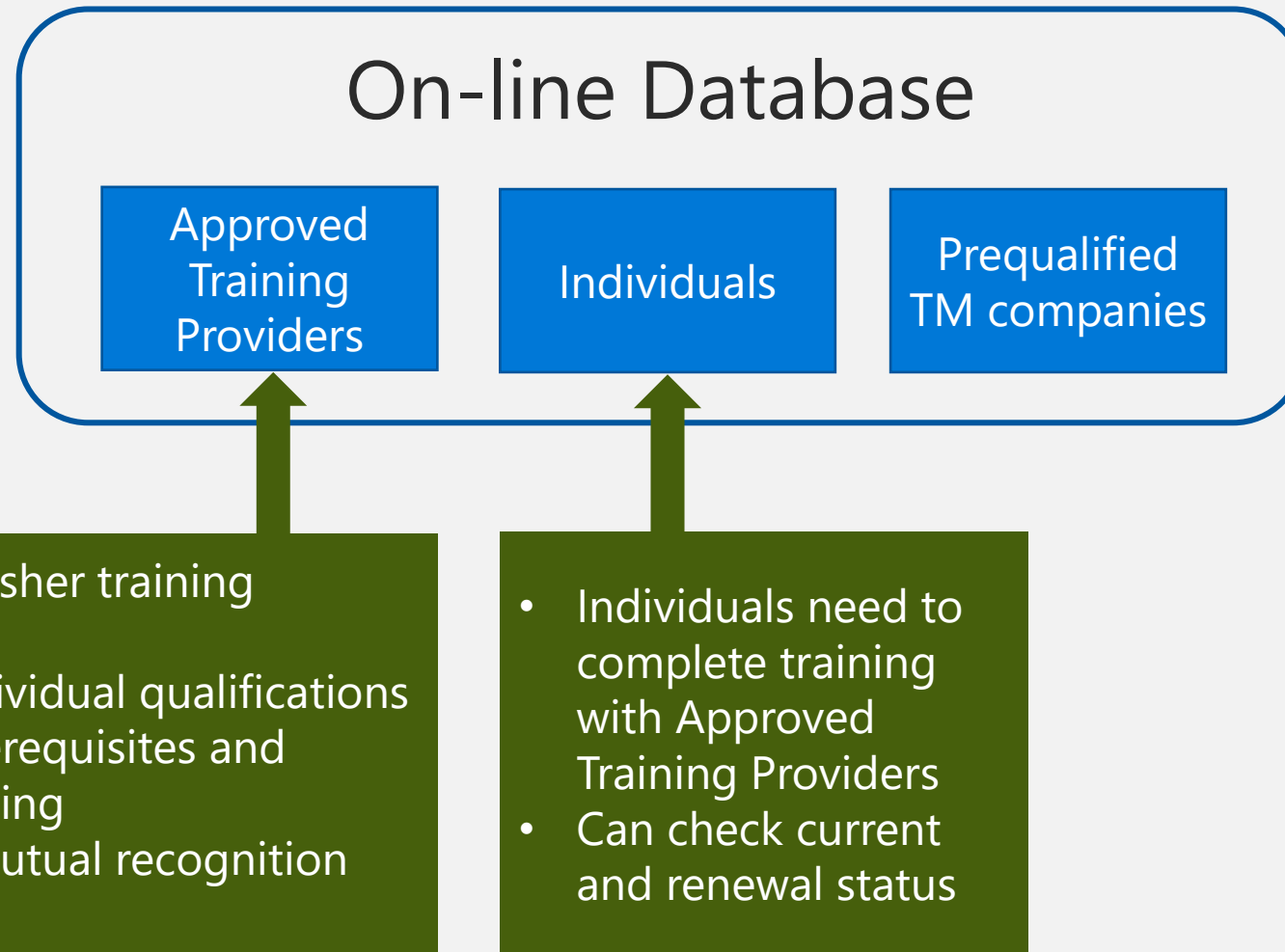
On-line Database

Approved
Training
Providers

Individuals

Prequalified
TM companies

4. Registration Platform (Centralised on-line database)



National Training Framework

Key improvements/benefits to achieve **improved safety at road worksites:**

- Consistent training
- Harmonised and best practice
- Mutual recognition for individuals and RTOs
- Centralised online database, better information sharing
- Better auditing and compliance
- Less work for RTOs!



What's next?

Richard Delplace



What's next?



- Industry consultation process:
 - Complete and email feedback form to rhassan@austrroads.com.au by **Friday 28 August 2020**
 - All comments will be acknowledged, responded to and published on the Austroads website
- Refinement of the National Training Framework based on industry feedback and inputs (September 2020), with further industry consultation if required by the TTMTRG
- New UoCs and Skill Sets expected to be approved and published in late 2020 by ASQA process
- Approval of framework from Austroads Board in late 2020 / early 2021
- On-going development of training packages with progressive release focussed on Cat 1 roads first, and with consultation with selected RTOs
- Procurement / development of online database – Tender in September / October 2020

Questions?



Richard Delplace

Program Manager – Transport Network
Operations

Austroads



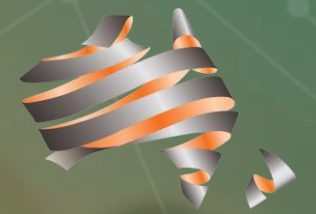
Thuan Nguyen

Technical Coordinator
Safe System Solutions Pty Ltd

Thank you for participating!

Watch our webinar recordings when and where it suits you!

There are more than 80 to choose from at austroads.com.au/webinars



Austroads