

## Executive Summary

This was the seventh meeting of the Technical Committee. The meeting was very successful with 17 delegates participating. The meeting was in Rome, Italy hosted by Italian First Delegate Mr Massimo Schintu, the Ministry of Infrastructure and Transport and ANAS. The meeting was in two parts being a Summit Update on what is happening around Connected and Autonomous Vehicles and the development of our work program outcomes into sessions for the World Road Congress in October 2019.

We had a kick-off meeting on Sunday 26 May and the first three days were focussed on reviewing information from the Association and discussing developments in relation to our Work Program and a particular focus on the next cycle.

On Wednesday, we hosted a mini update summit building on the work that was done in Rhode Island in 2017 and most recently in Kiev. It provided an opportunity for our colleagues in Italy to hear what is occurring in our respective jurisdictions including addressing “what questions are you seeking to answer in relation to CAVs and their impact on the performance and management of transport administrations”.

My Working Group continued to build on the last series of WebEx meetings where we had focussed on how we would manage the sharing of knowledge from our research at the WRC in October 2019. All of the work streams have finished their reports and they are all now in the process of being translated into French and Spanish.

Our Committee is hosting or involved in five Technical and Special sessions including:

- Foresight session on AV and socio economics in conjunction with the EU and USDoT
- Foresight session on Gender equity in Transport for both professionals and from a customer experience perspective
- Foresight session on Disruptive Technologies
- Technical Session on Performance of Transport Administrations
- Foresight session on Transparency

The final day of the meeting to Rome included a technical visit to the Apian Way where we looked at the impact of the Roman Empire on roads and the oldest known road and toll road that is still currently in use in the world.

## Background

The seventh meeting of the Performance of Road and Transport Administrations Technical Committee meeting was in Rome, Italy over the period 26 to 31 May 2019. At this meeting, we had 17 delegates.

The meeting was hosted by Italian First Delegate Mr Massimo Schintu, the Ministry of Infrastructure and Transport and ANAS S.p.A. (National Autonomous Roads Corporation) an Italian government-owned company created for the construction and maintenance of Italian motorways and state highways.

The meeting was in two parts being a Summit Update on what is happening around Connected and Autonomous Vehicles and the development of our work program outcomes into sessions for the World Road Congress in Abu Dhabi.

## World Road Association Update and review of Strategic Plan

The Chair and English speaking Secretary gave an update on progress towards the final preparations for the next Strategic Plan. This year the Council and Strategic Planning Commission are seeking to:

- Increase visibility of PIARC, the Plan and the products
- Want to have more desirable products as a benchmark and outcome
- More variety of outcomes not just technical reports

- Greater cooperation between TCs to create stronger outcomes
- Facilitating a smoother transfer between committees

We spent quite a bit of time refining the Terms of Reference for our incoming committee including the strategic issue within the Technical Committee and forecast some potential outputs that would be able to be delivered throughout the term of the 4-year cycle and not just the end of cycle report. It was very valuable and if we can achieve some carry over and consistency it will set the incoming TC on a good course. A copy of the submission we made to the General Secretariat is available on request.

## Work Program

The program for this Technical Committee consists of three streams. The following is a reminder as to the work and outcomes we have achieved. As stated, most of the work at this meeting was preparing for and allocating role and responsibilities for the areas that we have responsibility for at the World Road Congress.

### ***Stream 1 – Framework on measuring effectiveness and efficiency in road and transport administrations - Working Group Leaders – Ilaria Coppa (Italy) and Alan Colegate (Australia)***

This working group, on which I am a member and joint leader, produced a report that explored what concepts and measures can be used in establishing a strategic approach to achieving performance goals and includes defining what makes a good strategic plan, explores if the business model influences the approach and determines what is a good approach to measure success of the strategic plan. It includes exploring value capture in context of International Integrated Reporting Council (IIRC) from the perspective of transport administrations. The final report includes a literature review of available Strategic Plans by various road and transport administrations, an international survey of current practices, selected case studies drawn from the survey resulting in a final report on good practice recommendations and summary guidelines or a how-to for adoption by agencies.

### ***Stream 2 – Evaluating the transformation of transport administrations – Jonathan Spear (UK and Singapore) and Alex Walcher (Austria)***

This working group focussed on reviewing major transformational changes undergone in Transportation Administrations in recent times, assessing the benefits and challenges associated with implementation of these and how they were successfully, or unsuccessfully, addressed. The output includes a comprehensive written report and appendices, summary guidelines and case studies from countries at different development cycles or considering various factors for change. This Working Group has been most fortunate to have the services of two PhD candidate students supporting them through funding provided by the EU. What this has enabled is an in-depth analysis of change management in a transport context from around the world.

### ***Stream 3 – Good governance and anti-corruption measures including creating a culture of transparency and accountability - Working Group Leaders – Michelle Demarre (France) and Logashri Sewmaraom (South Africa)***

This Working Group has been tasked with continuing the work performed over the last two cycles and investigating the implementation of anticorruption and response measures including development of a culture of transparency and accountability in road organisations in relation to internal controls, including prevention and institutional constructs, reaction to problems and audit practices.

Their report includes looking at, and analysing, the corruption index of countries and investigating the reasons as to why there is a difference - including analysis of Transparency International results. They are also exploring and understanding the contents of existing standards and Codes of Conduct or legislation with the aim being to understand if other countries are implementing or adopting these standards and what the results are and if vulnerable road and transport organisations are aware of these standards. We are also tasked with developing relationships with International organisations.

Drawing on all of this, their report on findings including recommendations for countries at risk and the benefits (or not) of punitive measures in standards and codes of practice through to creating stronger formal relationships between WRA and a broad range of international organisations committed to improved transparency.

## Mini Summit on CAV

On 29 May, we hosted a “mini summit” on Connected and Autonomous Vehicles essentially building on the work that was done in Rhode Island and more recently Kiev. There were 36 delegates that attended the discussions in addition to the TC members. During the course of the day, we had updates, discussion and presentations from the following:

- Italian First Delegate on Italy’s progress
- Security and Cyber Security
- UITP view on impacts on Public Transport
- The Ethical Algorithm, AI and AV
- ANAS – Smart Roads and Intelligent Routes
- National Perspectives
  - Canada
  - Australia
  - Spain
  - Belgium
  - China
  - Sweden
  - USFHWA
- A Rhode Trip 12 semi AV buses on the road (USA)

In summarising the outcomes of the day, TC A.1 Chair rounded out the presentations with the following observations:

- Most of us want to understand regulatory framework because we need the legal protection that allows appropriate timing and forward looking, and it was interesting to see despite the breadth of countries we are all in a similar position.
- You need the confidence and support of politicians and the community, but it all has to be underpinned by good ethics taking into account culture and ethical constraints around what we determine to be important.
- Need to test and test and share the information each of us are gathering and break down the silos.
- We heard a number of times that the real danger around security is in fact to do nothing - that is the greatest risk. There is a risk between the conflict between safety and security. Sometimes in order to adopt the necessary safety measures mean that we compromise security.
- We are more and more talking less about transport and more about mobility - looking at cities and mobility being harmonised and integrated.

The consensus was that the summit and discussion was a very useful and rewarding exercise in knowledge transfer and understanding the issue we are facing.

## Future Meeting

The next meeting will be held immediately prior to the World Road Congress in October 2019 in Abu Dhabi.

## Emerging Issues

There were no specific emerging issues identified at this meeting. We continue to provide input into the development of the Strategic Plan and are actively involved in identifying topic areas for the World Road Congress. Other emerging international transport related issues have previously been advised to the Association and included in earlier reports.

## Learnings and Dissemination

The initiatives being pursued by TC A.1 will have direct relevance to Austroads members and closely relate to the priorities and drivers identified in the Austroads Strategic Plan and priorities being pursued by the Transport Infrastructure Council. They will also, assist in informing and confirming Main Roads future direction as identified in our own strategic plan Keeping WA Moving, and will be an aid to all other agencies. This report will be disseminated to all Board Members, Austroads Member Contacts and on their website.

I have also been liaising and sharing information, including this report, through my relationship and network as an active corresponding member of the Transportation Research (TRB) Board Performance Management Committee (ABC30). The activities of my work stream in particular are relevant and help inform their program.

## Conclusion

Once again it was an excellent meeting with very enthusiastic and well-engaged committee members. All of our reports have been completed and our committee is actively involved in hosting and leading a number of special sessions during the World Road Congress in addition to our Technical Session.

We believe that the work we have done in preparing and providing advice to inform the next Strategic Plan and the issues to be addressed in the next cycle will provide for strong outcomes and provide a good start for the incoming committee members.

Our third “international” discussion on progress in all matters related to CAV was very successful and it has been interesting to see the progress made following our first discussions in Rhode Island back in April 2017.

I look forward to being able to present our findings at the World Road Congress in October and continue to contribute towards creating positive solutions and outcomes aligned to the strategic issues identified in the PIARC Strategic Plan.

**Alan Colegate**  
**A/Executive Director Strategy and Communications**  
**Main Roads Western Australia**  
**27 June 2019**