



**Present:**

DfT

ARTSM

SignPlot UG/IHE

REMA

Transport Scotland

RSMA

BSi

KeySign UG & ARTSM

Highways England

TfL

TMCA

DFI (NI)

Wayne Duerden (Chairman),  
John Bennett, Ashraf Keeka  
Kealie Franklin, Roger Stainforth  
Simon Morgan  
Andrew Pledge  
Graeme McQuaker  
Wayne Johnston, Paul Aldridge,  
Stuart McInroy  
Liz Newell-Hart  
Will Baron  
Matthew Youell, Graham Harper,  
Darren Hawes  
Ryan Cooper  
Richard Pearson  
Kieran Connolly

**1. Apologies for absence**

Apologies were received from Niall McBride (Welsh Government), Ilyas Sharif (REMA), Stephen Hughes (DFI (NI)) and Stephen Scott (RSMA).

**2. Minutes of the meeting held on 12 December 2017**

Minutes of the meeting of 12 June 2018 were accepted.

**3. Matters arising**

None.

**4. CEN / British Standards**

**B/509/3**

LNH reported the following:

**Update on British Standards related to signs–**

## **BSI committee B/509/3 handles current and developing standards for road traffic signs, illuminated bollards and delineators, cones and miscellaneous devices**

- **Revision of EN 12899 parts 1 – 5**

A ray of light in the completion of retroreflective classes. Project Team 1A has agreed a new proposal for performance classes and WG3 has circulated it to all national mirror groups to enable a vote at the 30 January 2019 meeting. It is hoped that this early briefing and the procedural voting tactic will prevent attempts during the WG3 meeting to delay / prolong the work of revising and publishing all parts of 12899.

B/509/3 will meet in mid-January to review and decide its position for the WG3 meeting.

All parts of EN 12899 are in some stage of revision to bring them into a new template for standards. If the vote on reflectivity performance tables is positive all parts of 12899 will progress from preliminary to new work item status. At that point the timetable for completing drafts, internal enquiry, comments, final vote and publication will begin.

This standard will probably be published 2 or 3 years from now.

- **BS EN 13422 Cones and Cylinders** Comments are being considered to the published draft.
- **BS 8442** A formal business case has been made via BSI to add colour requirements for non-fluorescent yellow sheeting to correct an earlier omission. HE and DfT have endorsed the case formally.
- **UK National Annex to BS EN 12899-1:2007** A draft for another corrigendum has been circulated to 8509/3. It removes references as far as possible to the CUAP as it is no longer in use and ETA's from CUAP testing will have expired during 2018.

KF asked if people working on the draft 12899 Part 2 can attend the January 2019 meeting. LNH replied they are welcome to attend and KF should supply her with the names of the people attending.

MY asked what impact the rewrite of 12899 will have on the current specification for A-frames. LNH replied that the current advice will stand.

### **B/509/11 Variable Message Signs (BS EN 12966)**

RS reported the following:

- BS EN 12966, which was issued exactly 4 years ago today, has still not been gazetted. No date is available on when this might happen. In percentage betting, there is a 10% chance it will be gazetted in December 2018, a 70% chance it

may be gazetted by March 2019 or a 100% chance it will be gazetted by June 2019.

- BS EN 12966 – The national annex and national forward to this standard has been published.
- TOPAS are currently revising the standards they inherited from the Highways Agency. TOPAS 2516 is in line with the requirements of TSRGD 2016 and TAL 1/15 and is now in final review.

Highways England are still using TR 2516B which seems odd. KF replied that she understands Highways England will use the TOPAS 2516 once it is finalised.

- TR 2607 (VMS signs and signals for motorways) – RS is unhappy that ARTSM were not asked to review or comment on the draft. He raised the issue with Ben Catchesides on 22 November.
- VMS (paging and scrolling)

Following the ARTSM WG3 meeting on 13 November, this issue has been kicked into the long grass. Manufacturers could not provide a case to take forward. The cost of conducting viewing trials, drive by tests etc. proved too costly.

KF replied that ARTSM were happy to support any application put forward by their members but could not do the work for them or provide funding.

- KF asked if BS EN 12966 is law or not. WD replied that TSRGD brought it into law therefore it is now in regulation.

## **B/509/2**

MY reported the following:

- BS EN 1790 has not been put in the EU journal. No possibility of it being notified within the next 12 months as the mandate will need to be adjusted.
- BS EN 1463 parts 1, 2, 3 (road studs) – Progress has been very slow. Parts 1 and 2 have been rewritten for compliance with the construction roads regulations as some countries want to remove classes. However, several countries including the UK have the classes in regulations so it looks likely that the classes will remain in Part 2. The active road stud standard has been completely redrafted. The old PR EN version should not be relied upon.
- BS EN 1871 (road marking materials) – Harmonised version did not pass voting. A draft non-harmonised material specification version of EN 1871 was produced by Richard Hughes (plus EN 12808). This version is now out for consultation with WG2. Agreement on this draft version will probably take 2 years. How this draft then becomes harmonised is anyone's guess.

- B/509/12 (Autonomous Vehicles / Assisted Technology and Roadside Infrastructure) does not deal with communication with infrastructure but rather communication with products (road markings, VMS, traffic signs etc.). This communication can be via visual means but also through RADAR or LIDAR. This group is being considered at BSI as a mirror to WG12 at TT226. The first full meeting was held in Paris in October. This group is being run by the French (namely the Citroen and Renault groups). No standards for autonomous vehicles will be produced but instead specifications. These specifications will assist people writing standards, manufacturers and highways authorities to have products that are friendly or specifically tailored for autonomous or assisted technology in the years 2021 to 2025.

KF asked if she could have a copy of the minutes from the October meeting. MY replied that he will send a copy once the minutes have been agreed.

- Road Trials – Good progress has been made and a site has been located on the M65. A B/509/2 meeting was held a week ago. A draft Memorandum of Understanding and a licence will soon be sent to RSMA. REMA need to confirm if they want to be included or have a bilateral agreement with RSMA. Confirmation that products with only turntable derived certificates cannot be supplied against a specification for BS EN 1824.

AP mentioned that some of his members could not attend the B/509/2 meeting last week. MY suggested maybe in future, meetings/updates may be provided via telephone.

LF said that the planned start date of July 2019 for road trials looks likely to be missed. A new target date of July 2020 looks likely.

## **5. TSRGD**

JB provided the following:

- TSRGD 2016 is stable at the moment. We are producing 20 authorisations per month, many of these relate to signs for air quality (clean air zones).
- GMcQ mentioned that in Scotland, they are working on a new amendment that will be different from TSRGD 2016. He also said that a Bill has passed through parliament for low emission zones.

## **6. Traffic Signs Manual**

JB provided the following:

- Chapter 1 and 4 were published in November.
- Chapter 7 will be published soon closely followed by Chapter 5.

- Chapter 3 to follow soon after.
- Chapter 6 will be published in 2019.
- MY said that the text redraft of Chapter 8 Part 3 is complete. He is awaiting agreement to go to tender to get all the artwork produced in the correct vector format. Will be published in late 2019 or early 2020.
  - RP asked if the latest text draft has been send out for review. MY replied that the draft will be sent out early next year.
  - RP wanted to know if the comments from TMCA had been taken on board. MY said they were and he will send RP an extract from Chapter 8 that deals specifically with the changes TMCA requested.
  - MY also asked RP to send him or Richard Leonard (Group Manager Safer Roads) an email reminder. Richard Leonard will then reply and provide RP with a copy of the document that was sent to the Road Worker Safety Forum (RoWSaF) listing the potential options that RoWSaF identified and those that were adopted.

## 7. AOB

- Revision of DMRB (GH provided the following)

Work on the update goes on. Key changes are:

- the structure of the overall documents aligns with the asset life-cycling discipline
- introduction of a new document numbering system
- new style of individual documents and clauses
- incorporation of interim advice notes
- consolidation of DMRB advisory documents with design documents
- introduction of national annexes to cover overseeing organisations
- clarification of terms and requirements e.g. must (statutory requirement), shall (requirements of overseeing organisation)
- advice and guidance which is not linked to a requirement will probably be transferred to an industry knowledge bank
- other documents e.g. IAN 144 and 145 will be archived
- first drafts of the new DMRB will be out around October 2019
- printing of the new DMRB will be in 2020.

MY added that work on TD26 (maintenance of road markings) will probably commence in February 2019. PA wanted to know who checks compliance with TD26. MY replied that Highways England produces the standards but do not police it. If a person has concerns on how it is being applied/interpreted, that persons needs to contact the relevant highway authority.

KF wanted to know if DMRB will be consulted on again. She is specifically asking about the standards that cover VMS. DH replied that the technical

standard for VMS is being worked on by the Bristol office of Highways England. DH and GH said that they will endeavour to find the correct person/department within Highways England. MY said that there is an email address [standardsenquiries@highwaysengland.co.uk](mailto:standardsenquiries@highwaysengland.co.uk) that KF could email and the email will be forwarded to the relevant person.

- MY mentioned that he is helping Phil Bailey in the testing of conspicuity markings on vehicles. A test is planned for February in Weston-super-Mare. He understands these markings must meet ULEC 104 and the Road Vehicle Lighting Regulations but if the material is attached to a VMS on a vehicle, these fall outside of the regulations and the VMS requires authorisation.
- WD told the group that he will be retiring at the end of May 2019 so this meeting is his last. The group thanked him for his work here and wished him all the best in his retirement.

#### **8. Date of next meeting**

The next meeting date is **Thursday 13 June 2019 at 11am.**