



Rules & Parameters RP7.01

In accordance with the annual cycle for UKPMS Rule Sets, RP7.01 will be released to UKPMS Developers by 30 September 2006 for use in the 2006 Annual Health Check and for onward release to users by 31 December 2006. RP7.01 will support both the production of BVPIs based on 2006/07 survey data and the loading of 2007/08 SCANNER survey data.

Subject to approval by the UKPMS USG, the rule set will contain changes to the following areas:

- **SCANNER Defects**

A number of new defects are required for SCANNER surveys and these are listed in the Appendix below. As this shows, some of the existing SCANNER defects will no longer be collected but these will be retained in the Rule Set in order to accommodate historical data.

The descriptions for some of the existing SCANNER defects have been updated so that they are in keeping with, but distinguished from, the new defects introduced.

- **New SCANNER Edge CI**

A new SCANNER Edge CI is required. This combines together the SCANNER edge measurements and will in due course be used to generate treatments from SCANNER edge data.

- **Changes to SCANNER treatments**

A panel of engineers has suggested changes to rebalance the TTS structural and TTS resurfacing treatments. These changes were introduced via the interim rule set RP6.02. The panel proposed no changes to the TTS surface treatment.

- **Changes to Not Assessed and Not Defective data**

Defect codes have been added for 'Not Assessed' and 'Not Defective' for the unknown pavement type, in accordance with the recommendation in *Not Assessed/Not Defective Data* (document 098v0103) that the unknown pavement type is used when collecting these defects.

The pilot version of RP7.01 included a change to the permitted range for some existing SCANNER defects. Based on the latest advice from the SCANNER project it has been decided to defer this change; that is, this will not be included in the release version of RP7.01 and all existing defects will retain the same valid range as previously for the time being.



Appendix: Proposed SCANNER Defects

Existing defects still to be collected in 2007/08

It is proposed that the following 21 defects will continue to be collected by SCANNER surveys in 2007/08. Note that where the description has been changed in RP7.01, the old description is given in italics.

- SCANNER or TTS Coordinate
- SCANNER or TTS Curvature
- SCANNER or TTS Crossfall
- SCANNER or TTS Gradient
- SCANNER or TTS Left Wheel Path Average Texture depth (SMTD)
Was SCANNER or TTS Left Wheel Path Texture
- SCANNER or TTS 3m moving average Longitudinal Profile Variance (left/nearside)
Was SCANNER or TTS 3m Longitudinal Profile Variance
- SCANNER or TTS 10m moving average Longitudinal Profile Variance (left/nearside)
Was SCANNER or TTS 10m Longitudinal Profile Variance
- SCANNER or TTS Left Wheel Path Rut depth
Was SCANNER or TTS Left Wheel Path Rut
- SCANNER nearside rut depth from cleaned profile
- SCANNER or TTS Right Wheel Path Rut depth
Was SCANNER or TTS Right Wheel Path Rut
- SCANNER offside rut depth from cleaned profile
- SCANNER absolute deviation of 1st derivative of transverse profile
- SCANNER transverse variance
- SCANNER edge coverage
- SCANNER edge roughness
- SCANNER road edge step L1
- SCANNER road edge step L2
- SCANNER or TTS Cracking (whole carriageway)
Was SCANNER or TTS Cracking
- SCANNER or TTS Left Wheel Track Cracking Intensity
- SCANNER or TTS Right Wheel Track Cracking Intensity
- SCANNER or TTS Crack Map

New defects to be introduced in 2007/08

It is proposed that the following 20 new defects will be introduced to SCANNER surveys for 2007/08:

- SCANNER Left Wheel Path Average Texture depth (MPD)
- SCANNER Left Wheel Path Mean RMST Texture depth
- SCANNER Left Wheel Path RMST Variance
- SCANNER Centre Mean RMST Texture depth
- SCANNER Centre RMST Variance
- SCANNER Right Wheel Path Mean RMST Texture depth
- SCANNER Right Wheel Path RMST Variance



- SCANNER Overall Texture Variability - RMST 5th Percentile Value
- SCANNER Overall Texture Variability - RMST 95th Percentile Value
- SCANNER Overall Texture Variability - RMST Variance
- SCANNER 3m Longitudinal Profile Enhanced Variance (left/nearside)
- SCANNER 10m Longitudinal Profile Enhanced Variance (left/nearside)
- SCANNER Bump intensity (CDM) left wheel path
- SCANNER 3m Longitudinal Profile Enhanced Variance (right/offside)
- SCANNER 10m Longitudinal Profile Enhanced Variance (right/offside)
- SCANNER Bump intensity (CDM) right wheel path
- SCANNER Edge of carriageway cracking
- SCANNER Transverse/reflection cracking
- SCANNER Surface Deterioration Parameter
- SCANNER Other visible defect (OVD) intensity

Discontinued defects (no longer collected in 2007/08)

It is proposed that the following 5 defects will no longer be collected by SCANNER surveys in 2007/08. Note that where the description has been changed in RP7.01, the old description is given in italics.

- SCANNER or TTS Wheel Path Centre Average Texture depth (SMTD)
Was SCANNER or TTS Wheel Path Centre Texture
- SCANNER or TTS Right Wheel Path Average Texture depth (SMTD)
Was SCANNER or TTS Right Wheel Path Texture
- SCANNER or TTS 30m moving average Longitudinal Profile Variance (left/nearside)
Was SCANNER or TTS 30m Longitudinal Profile Variance
- SCANNER absolute deviation of 1st derivative of nearside of transverse profile
- SCANNER absolute deviation of 1st derivative of offside of transverse profile

These defects will be retained in the UKPMS Rules & Parameters in order to accommodate historical data.