

1. SCOPE

This schedule specifies requirements for the iTouch VanRS CCTV reporting software as developed and maintained by iTouch Reporting Systems Ltd for the reporting and condition classification of drains and sewers.

2. PRODUCT DESCRIPTION

2.1 Introduction

The iTouch VanRS CCTV sewer inspection software program is designed for the reporting of observations and defects in drains and sewer networks. The program uses the condition classification codes specified in the Manual for Sewer Condition Classification 5th Edition (MSCC5)⁽¹⁾ and BS EN 13508-2⁽²⁾, Annex NB.

The SRM Internal Condition Grade (ICG) and the SRM Operational Grade (OG) for each pipe section are determined from the MSCC codes in accordance with the WRC Sewer Risk Management (SRM)⁽³⁾. These are scored 1 to 5 where grade 5 is the worst condition.

2.2 Applicable standards

The following standards are applicable to this product:

- Manual for Sewer Condition Classification 5th Edition (MSCC5).
- Sewer Risk Management (SRM)⁽³⁾ Manual, Internal Condition Grading and Operational Grading Schemes.
- XML Specification for MSCC5 Sewer Inspection Data. WRC Report UC9774.02, February 2014.

2.3 Approval History

The iTouch VanRS was originally awarded WRC Approved™ certification in October 2019 under the name Sewer Viewer Liver Reporting System – B:

- PT/455/1019

This is the first re-approval of this CCTV reporting software.

3. REQUIREMENTS AND TESTING

3.1 General

The iTouch VanRS will be assessed for:

- Functionality
- Accuracy and repeatability

3.2 Type Testing

Coding:

The software shall allow data entry of data for the header information and any of the condition classification codes listed in the MSCC5 including all the code descriptors, modifiers and defects details as required.

In addition, the software shall ensure that:

- Information can only be entered in the format prescribed by MSCC5;
- All mandatory information specified by MSCC5 is entered;
- That the coding for any pipe section is either in accordance with the full coding system or the domestic drainage system and shall not permit mixed codes;

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It shall be able to generate an XML data transfer file in accordance with WRc Report UC9774.02.

SRM Internal Condition Grading:

The software shall assign an Internal Condition Grade (ICG) for each pipeline section as detailed in the (SRM).

SRM Operational Grading:

The software shall assign an Operational Grade (OG) for each pipeline section as detailed in the (SRM).

Header Information:

The software shall allow the header information and data requirements of the MSCC5. The iTouch VanRS reporting requirements for the drainage market shall contain the following:

- Contractor name, survey date and time, operator name, hardware used.
- Location details and labelled plan of the surveyed pipes
- Upstream and downstream manhole details including manhole cover invert levels.
- Pipe details including sewer type, pipe diameter, shape and material.
- Survey length including direction of survey.
- A sequential list of recorded observations complete with meterage to 0.1m.
- Photographic images of defects to be consecutively numbered and referenced in the report.

- The severity score of each recorded observation or defect in accordance with the SRM ICG.

The condition grade of the pipe in accordance with the Drain Repair Book 4th Edition⁽⁴⁾.

3.3 Software design and control

To ensure the quality and performance of the iTouch VanRS, iTouch Reporting Systems Ltd shall maintain procedures for:

- documentation of any changes to the software;
- testing of any new release of the software;
- documentation of the testing carried out.

3.4 User Guidance documentation

The User Guidance⁽⁴⁾ supplied to customers shall be complete and accurate to enable the user to operate the software correctly.

4. APPROVAL

The iTouch Reporting Software has been audited and successfully met all the requirements stated within this assessment schedule

Signed:

A handwritten signature in black ink, appearing to be 'G.L.' followed by a horizontal line.

Valid until 17th October 2029

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5. REFERENCES

1. Manual for Sewer Condition Classification 5th Edition 2013.
2. BS EN 13508-2:2003+A1:2011 Investigation and assessment of drain and sewer systems outside buildings. Visual inspection coding system.
3. Sewerage Risk Management (www.srm.wrcplc.co.uk).
4. Drain Repair Book 4th Edition.
5. iTouch One Operator Manual.