

Reference number of document: ISO/IEC JTC1/SC17/WG1 N **1722**

Date of registration: 2007-09-29

Committee identification: ISO/IEC JTC1/SC17/WG1

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Title : Comment on 10373-1 Amd 1 [1N1711]

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Requested action : to be resolved at next WG1 meeting

Document type: WG1 Committee Document

Document subtype: N/A

Document stage: N/A

Document language: English

German comment on WD 10373 Amendment 1 (SC17/WG1 N1711)

2. salt spray:

there is a description of the "salt mist" already in ISO 10373-1: 1998 in clause 5.4.2.2 "long term contamination" of clause 5.4 Resistance to chemicals.

2.1 General question

Is salt spray identical to salt mist? In this case we would not need an additional salt spray test. Salt mist or salt spray is also not transferred from 14443-1:2000, as it is not mentioned there. What is really required here?

2.2 German comment

On the other hand, the amendment would be a good opportunity to update the salt mist test. We therefore propose to install an updated version of the test 5.2 (resistance to chemicals) regarding the following points

2.2.1

Add: "Care must be taken to control the pH value of the solution within its defined limits from the start to the end of the salt mist test".

(see also: 17-01N0647 (Sydney- Präsentation in Englisch)

1N 1382 (2004-09-30) = 17-01N0649 (Sydney- Präsentation in Deutsch)

1N 1412 (2005-02-26) = 17-01N0705 (Barcelona)

2.2.2

Resistance to chemicals, clause 5.4.3, b) visual examination in ISO/IEC 10373-1:2006-05. There is no clear definition of how to do the optical evaluation.

add "handling and visual examination of the metallic contacts including rating shall be in accordance with ISO 10289:1999-11, clause 5 Methods for corrosion testing of metallic and other inorganic coatings on metallic substrates - Rating of test specimens and manufactured articles subjected to corrosion tests."

see also 1N1399=17-01N0689:

5.4.3 Test report

The test report shall state whether the card is testably functional (see clause 3) following the test and shall give the

results of :

a) any pre-exposure and post-exposure tests required by the base standard;

b) visual examination³.

³ [Ed] Germany proposes that a particular standard (e.g. ISO 10289) be cited for visual inspection.

salt spray see ISO 9227:2006-07 Corrosion tests in artificial atmospheres- Salt spray tests
visual examination see ISO 10289:1999-11, clause 5 Methods for corrosion testing of metallic and other inorganic coatings on metallic substrates - Rating of test specimens and manufactured articles subjected to corrosion tests.

clause 5.n+6 (page 21)

Rejection of the rollertests clause 5.n+6

The rollertest is a specific mechanical test which is not part of the ISO card tests and not specified in ISO up to now. It might be redundant partially or totally to ISO flex/torque/three wheel/shortened bending and so on.

We suggest that this point is noted for the next update of ISO 10373-1 in order to give the experts sufficient time to evaluate the test if needed, as within the given time frame for the amendment it will most probably not be possible to establish usefulness, repeatability and reproduceability of the test among the experts and test labs.

It should also be discussed whether other tests mechanical should be deleted then in order not to overload (regarding time and cost) mechanical card testing.

It also needs to be discussed what is the base standard requirement for this test.

End of comment

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2007-09-21