DOCUMENT CHANGE REQUEST

DCR number 880	Changes required for: General	Originator: Steve Jeffery
Date: 2015/06/29	Date sent: 2014/09/04	Organisation: ESCC Executive
Status: IMPLEMENTED		

Title:	Generic Specification for Thermistors (Resistors Thermally Sensitive)		
Number:	4006	Issue:	2

Other documents affected:

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Paragraph:

8.3.1.1 Zero Power Resistance (part of Electrical Measurements)

Original wording:

Paragraph 8.3.1.1 text, reproduced in the attached MSWord file.

Proposed wording:

The proposed new paragraph text is shown in the attached MSWord file.

Justification:

The existing (and indeed the previous) content of Paragraph 8.3.1.1, Zero Power Resistance Measurement was somewhat confusing.

The only known manufacturer supporting Thermistors to ESCC Specifications is MEAS Ireland (who have been ESA QPL listed for 4006/* Variants since 2001) and they have confirmed they perform a simple, single measurement of Zero Power Resistance on all thermistors, when specified in the ESCC Specifications, at the applicable test temperatures.

Attachments:

escc_4006_para._8.3.1.1___orig._and_proposed_wording.docx, 4006.docx

Modifications:

- Test Requirements
  Zero Power Resistance shall be measured using suitable test equipment having an accuracy of ±0.05% or better.
  All measurements shall be made in a controlled uniform medium capable of maintaining an accuracy of ±0.01°C. The time response of the equipment used to measure the temperature shall be compatible with that of the thermistor under test.

- Mounting Method
  Suitable test leads/connections shall be used to connect the thermistor under test to the test equipment. For thermistor beads, flat clips shall be used.

Approval signature:



Date signed:

2015-06-29