



## DOCUMENT CHANGE REQUEST

DCR number	534	Changes required for:	General	Originator:	Steve Thacker - ESCC
Date:	2009/07/29	Date sent:	2009/07/29	Organisation:	ESA/ESTEC
Status:	IMPLEMENTED				

Title: Generic Specification for Resistors Fixed Film

Number: 4001 Issue: 2

Other documents affected:

Page:

see Proposed wording of change for details

Paragraph:

see Proposed wording of change for details

Original wording:

Proposed wording:

Specification is amended to incorporate various editorial amendments & corrections to bring all ESCC generic specifications (that have been converted to the new ESCC format) in line with each other (i.e. ESCC 9000, 5000, 5010, 9020, 3403, 4009, 4001).

The content of this DCR amends the content of ESCC 4001 to make it consistent with published ESCC 5000 issue 4 (ref. approved DCR399)

Note - See attached proposed draft specification ESCC4001 issue 3 Draft A for details.

Change items:

1 Page 7 Para 1.1, Amend 1st sentence to read:

" ... for space applications."

2 Page 7 Para 1.2,

Amend 1st sentence to read:

" ... approval to components qualified in accordance... "

Amend last sub-Para to read as follows:

"This specification may also be applied to the procurement of unqualified components, recommendations for which are given in ESCC Basic Specification No. 23100."



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### 3 Page 7 Para 2.1

Add ESCC Basic Specifications No. 23100 to the list:

- ESCC 23100, RECOMMENDATIONS ON THE USE OF THE ESCC SPECIFICATION SYSTEM FOR THE EVALUATION AND PROCUREMENT OF UNQUALIFIED COMPONENTS

Correct title of ESCC 25400 (to read "... Space Application.")

Add 26000 to the first sentence to read:

" ... , 22800, 24600, 25400 and 26000, where Manufacturer's ... "

4 Page 8 Para. 2.2 & Page 10 Para 4.5, amend the ECSS document number to be "ECSS-Q-ST-70-02".

5 Page 8 Para. 4.1, amend the 1st sub-Para to read:

"The requirements for the qualification of a component shall be in accordance with ESCC Basic Specification No. 20100."

6 Page 9 Para 4.1.4, amend sentence to read:

"... or the Orderer (for procurement of unqualified components if stipulated in the Purchase Order) reserves the ..."

7 Page 9 Para 4.3.2, Amend 2nd bullet to read:

" - have satisfactorily completed all the tests required by the relevant issues of the applicable specifications."

8 Page 10 Para 5.1

Amend 1st sentence to read:

"Unless otherwise specified herein or in the Detail Specification all lots of ... "

Add new final sub-Para:

"For qualified components the full production control provisions are defined in the PID."

9 Page 11 Para 6.1, Amend 1st sentence to read:

" Unless otherwise specified herein or in the Detail Specification, all lots of ... "

10 Page 12 Para 7.1.1.1,

Replace in 1st sentence "subgroup 4" by "the Failure Rate Endurance Testing Subgroup"

Replace in 2nd sub-Para "subgroup 2" by "the Endurance Subgroup"

Correct ESCC references to be "26000" (was "2xxxx")

11 Page 13 Para 7.2, amend sentence to read:

"The qualification of a component produced using a qualified Technology Flow shall be in accordance with ESCC Basic



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Specification No. 25400."

12 Page 13 Para 7.3, Amend 2nd sub-Para to read:

" Qualification of a component, produced using a qualified Technology Flow, is ... "

13 Page 13 Para 7.3.1

Replace in 1st sentence "subgroup 4" by "the Failure Rate Endurance Testing Subgroup"

Replace in 2nd sub-Para "subgroup 2" by "the Endurance Subgroup"

14 Page 13 Para 7.4, Amend 2nd sub-Para to read as follows:

"For procurement of unqualified components the need for Lot Validation Testing shall be determined by the Orderer (ref. ESCC Basic Specification No. 23100).

15 Page 15 Para 8.1, Amend in the 'Mounting' bullet the text to read "no closer" (was "not closer") & " does not affect" (was " effect").

16 Page 15 Para 8.2, Amend 2nd sentence to read:

" ... unless otherwise specified in the Detail Specification or stipulated in the Purchase Order."

17 Page 16 Para 8.3.1.1, Amend table header to be:

"Measuring Voltage (+0 -10%) (V)"

18 Page 20 Para 8.10.5, Correct spelling of "with" in 1st sentence.

19 Page 21 Para 8.11.1, In the table add "S" to 1st column header, & "d" to 2nd column header

20 Page 26 Para 9.9, Amend Para to read:

" ... ESCC Basic Specification Nos. 20100 or 25400."

21 Page 25 Chart F1, Amend note 2 to read:

"2. For unqualified components the need for Lot Validation Testing shall be determined by the Orderer and the required testing shall be as stipulated in the Purchase Order (ref. ESCC Basic Specification No. 23100)."



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22 Page 30 Chart F4  
Delete all "Subgroup 1" to "Subgroup 4" labels from the chart.  
Correct spelling of "All" in note 3.  
In note 9 replace "per Subgroup 4" by "Subgroup testing"

Justification:

This specification is proposed to be amended to incorporate various editorial amendments & corrections to bring all ESCC generic specifications (that have been converted to the new ESCC format) in line with each other (ESCC 9000, 5000, 5010, 9020, 3403, 4009, 4001).

The content of this DCR amends the editorial content of ESCC 4001 to make it consistent with published ESCC 5000 issue 4 (ref. approved DCR399) as well as making other general editorial amendments for the purposes of correction, clarification and consistency

Attachments:

N/A

Modifications:

N/A

Approval signature:

Date signed:

2009-07-29