



Noordwijk, 21 November 2014

ESCC Executive Public Notice (EEPN-2014-3 Issue 1)

Subject : Updated requirements for discrete microwave semiconductor components

To : ESCC National Contacts and Chief Inspectors,

Issue 2 of ESCC 5010 has been published in October 2014. This standard provides the general requirements for the qualification, qualification maintenance, procurement and delivery of hermetically sealed packaged, and naked die, discrete microwave, semiconductor components for space applications.

This general update of ESCC 5010 has introduced significant changes in the whole document. A single screening level has been introduced replacing the previous Levels B and C. A re-organization of test and inspection requirements in the various charts has been performed. Other changes have modified test definitions, test methods and test conditions. Therefore, the acceptance criteria to be used for production control, screening and periodic tests had to be adapted as well.

In consideration of the number and the extent of these updates, the ESCC Executive will support the manufacturers of ESCC 5010 products with a gradual implementation approach.

With regards to the ESCC qualification of existing product, any certification issued prior to the release of ESCC 5010 issue 2 may remain valid up to the validity date indicated in the certificate. For this transitional period the manufacturer's certificates of conformity will therefore refer to ESCC 5010 issue 1 and until full qualification to issue 2 can be confirmed upon completion of the qualification maintenance cycle. The next due maintenance will necessarily include PID adaptations, procedural updates and a manufacturer audit by the ESCC Executive. Manufacturers are encouraged to initiate the maintenance activities sufficiently early to ensure an uninterrupted qualification status.

In parallel the ESCC Secretariat has started to adapt the relevant ESCC Detail Specifications. These updates will be performed in close communication with the manufacturers in the next months and shall be completed by the time of qualification renewal in all cases.

Finally, from the date of this letter, any activity started with the objective to achieve ESCC Qualification of ESCC 5010 product and all manufacturing line audits in this context shall naturally refer to the published issue 2 of the specification.

Please address any feedback or comments to this Notice to Fernando.Martinez.Martin@esa.int

Best Regards,

Ralf de Marino

ESCC Executive Manager
Head of the Space Components Standardisation and Evaluation Division
ESA Product Assurance Department

Keplerlaan 1
2221 AZ Noordwijk
The Netherlands
Tel: +31 71 565 6774