EEE Centre and Parts Agency at Tesat-Spacecom

Effective since 1st July 2014 the EEE activities at Tesat-Spacecom and Astrium have joined forces and created the new EEE Centre within the Airbus Defence & Space business line Electronics. Managed by Dr. Martin Veith, the EEE Centre is responsible for all EEE parts activities for Tesat Parts Agency customers and Tesat equipment business lines, and moreover for space programs within Airbus Defence & Space, including engineering, programmatic and technical support, quality assurance as well as procurement and logistics activities.

The EEE OEM Projects team has been renamed into Parts Agency department and will continue to manage all EEE parts services for our external customers and partners as your point of contact. The Parts Agency operates as a product line within Tesat-Spacecom and will be operationally supported by the EEE Centre team at Tesat-Spacecom. There is no change in accordance to the contractual relation, for existing and future activities.

With the new organisation we are expecting major benefits for you as our customer. The Parts Agency is having access to a further improved utilization of resources which will allow increased overall work efficiency as well as access to an enhanced network of technical experts.

We assure that the new organisation will strictly adhere to the confidentiality requirements of all communicated information within Parts Agency businesses. The teams at Tesat-Spacecom joining the EEE Centre will legally and operationally remain in Backnang.

New Head of Tesat-Spacecom Parts Agency

Effective since 1st October 2014 Dr. Frederik Küchen is Head of Tesat-Spacecom Parts Agency. Dr. Küchen joined Tesat-Spacecom in 2009 as Key Account Manager for various national and international customers. In his role within the sales department he was responsible for both Amplifier Products and Passive Products considering the product portfolio of Tesat-Spacecom space equipment.

Dr. Küchen is looking forward to further developing our customer relationship within the Parts Agency, built on trust and world leading services with the objective to generate a long-term and mutually beneficial partnership.

For any further questions please contact Dr. Frederik Küchen:

E-Mail: Frederik.Kuechen@Tesat.de
Phone: +49 (0) 7191 - 930 - 2414
News from the EEE Parts Laboratory: More Competences

The establishment of the EEE Centre within the Airbus Defence & Space organisation has led to a more effective EEE laboratory with more competences to meet even more exceptional quality assurance requirements in the EEE business of the Parts Agency. Until now, the lab’s contribution to parts procurement has been predominantly the performance of Destructive Physical Analysis (DPA) and single screening tests on EEE components. Since the new EEE Laboratory embodies three additional labs that specialise in different domains, we have now broadened our scope to handle almost all inspections, tests and analysis on EEE components and printed circuit boards (PCB’s).

All tests and inspections are handled and coordinated as before in Backnang, making use of the state-of-the-art equipment and highly skilled workers in the different locations. From now on, we would like to be your number one partner in consulting and support in the following topics:

• Destructive physical, failure and construction analyses
• Single tests and technical analysis
• Up-screening including burn-in, life test, etc.
• Qualification of surface mounted technology (SMT) processes
• Training your personnel to understand and use results of technical analysis
• IST testing for PCB

For any further questions please contact Dr. Augustine Mofor:

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Email: che.mofor@tesat.de

The picture below shows the temperature chamber with continuous electrical monitoring possibility during thermal cycling and burn-in.
Tesat-Spacecom is performing various post procurement activities depending on part type, qualification status and customer requirements. One significant activity is the Documentation Check (Doc-Check). The major task is to checking the completeness of manufacturer documentation and the compliance of manufacturing, screening and group tests in accordance to the procurement requirements. This process is performed for each delivered lot.

The set of requirements for a specific lot needs to be derived from Generic Specification, Detail Specification, Purchase Order, Amendments and Part Approval Document (PAD). These requirements are then compared to the data from the procured and delivered documentation (e.g. COC, Screening Travelers, QCI Data, PreCap-Report). If a non-conformity is detected the quality inspector will start the Tesat Non-Conformance Process. EEE Parts will only be released for shipment, if the assessment of the documentation is completed and in accordance to the requirements of the applicable documentation.

The processing time to perform such a Doc-Check varies between 10 minutes and several days depending on the complexity of the requirements (e.g. qualified resistor or non-qualified, customer specific semiconductor).

The picture below shows Tesat SAP screenshot of the Doc-Check section for a specific lot.

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**Dates**

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
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</thead>
<tbody>
<tr>
<td>23.+24. October 2014</td>
<td>The 27th Microelectronics Workshop (MEWS27), Tsukuba International Congress Center (Epochal Tsukuba), Japan</td>
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<tr>
<td>17.+18. March 2015</td>
<td>DLR-Bauteilekonferenz, Munich (for German participants only)</td>
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**Your Tesat Parts Agency**