

# exceet electronics

## Independent Distributor / Broker - Requirement Specification / Questionnaire

**This document details the responsibilities for Independent Distributors / Brokers to assure the use of authentic electronic components in all deliveries to exceet electronics GesmbH.**

Author: ..... Josef Horngacher / Andreas Treichl

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## 1 Scope

This document applies to Suppliers providing electronic components or electronic assemblies to exceet electronics or to any subcontracted manufacturer shipping product to exceet electronics.

## 2 Definitions

| Term   | Definition  |
|--|---|
| <b>OCM</b><br>Original Component<br>Manufacturer | The organization that owns the intellectual property rights to a component. Parts are typically identified with the OCM's trademark or brand name and part number. Actual manufacturing may be subcontracted.   |
| <b>OCM Authorized<br/>Distributor</b>            | A dealer or distributor of a component who is authorized by the OCM, through franchise or other agreement, to buy, stock, and distribute the OCM's components.<br><br>Normally, the OCM Authorized Distributor offers the full manufacturer's warranty, and may provide other support services.   |
| <b>Independent distributor<br/>(Broker)</b>      | An organization that buys and sells components through the open market. Independent distributors typically do not have contractual agreements or obligations with OCMs  |
| <b>Authentic part</b>                            | A new or unused component part that can be verified as conforming to the manufacturers published specification<br><br>Examples of non-authentic parts include parts that are <b>aged, damaged, improperly stored, used, re-balled BGAs, refurbished, factory seconds, or non-authorized manufacture</b> (not an all-inclusive list).  |
| <b>Traceability</b>                              | Documented history of the parts, pointing back to the part's origin and authenticity, including all the supply chain intermediaries from the OCM to the EMS supplier. The traceability record shall include the name and location of each intermediary, and the date of each change of ownership.   |
| <b>PWA</b><br><b>Printed Wired Assembly</b>      | A printed circuit board populated with electronic components.   |
| <b>Solderability Test</b>                        | Solderability testing shall be performed on components older than 2 years. Testing shall be according to part type, as below and supported with documented results. Sample size shall be a minimum of 5 parts from each unique date code. <ul style="list-style-type: none"> <li>• Leaded parts: J-STD-002, Test A method and acceptance criteria apply.</li> <li>• Leadless parts: J-STD-002, Test B method and acceptance criteria apply.</li> <li>• Ball grid arrays (BGA): The PWA supplier shall assemble a sample quantity of PWAs, using normal production methods. Acceptance criteria shall be per IPC-A-610, using X-Ray inspection methods.</li> </ul> |

### 3 **exceet electronic's Purchase Policy**

exceet electronics will accept only parts that are **authentic**, to be used in the manufacture of exceet electronics products, as defined in the definitions table of this document.

The order of preference for component supply sources is as follows:

1. Original component manufacturer (OCM)
2. OCM-authorized distributor.
3. exceet electronics-**approved** independent distributor/broker.

### 4 **Independent Distributor/Broker Responsibilities**

Independent distributors/brokers approved by exceet electronics shall have effective controls that assure the authenticity of component parts shipped to exceet electronics.

The following is a list of compliance and show the minimum criteria, such a control process has to fulfill. The Independent distributors/brokers is invited to provide a sufficient statement for each of the requirement:

| Chapter | Requirement   | Distributor/Broker Statement |
|---------|---|------------------------------|
| 4.1     | Assessment of potential sources of supply to determine the risk of receiving non-authentic parts.<br>Assessment actions may include surveys, audits, review of product alerts, financial history, industry reputation, and supplier past performance (not an inclusive list). |                              |
| 4.2     | Standard, documented incoming quality acceptance procedures.<br>IDEA-STD-1010, latest revision, is an acceptable guideline for acceptance procedures and criteria.  |                              |
| 4.3     | Verification of Lead-Free compliance, if applicable, using X-Ray Fluorescence (XRF) testing for the presence of lead.<br>External testing is acceptable, however, external testing sources needs to be qualified in accordance with the Independent Distributor/Brokers' QMS. |                              |

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| <p><b>4.4</b></p>   | <p>Broker should explain the capabilities to perform solderability testing as per section 5 of this document.</p>  |  |
| <p><b>4.4.1</b></p> | <p>In case exceet electronics performs own solerability test and test will fail, broker is required to take back effected components.</p>  |  |
| <p><b>4.5</b></p>   | <p>Ready access to other analytical techniques where additional compliance or performance evaluation is required.</p>  |  |
| <p><b>4.6</b></p>   | <p>Failure of any inspection or test shall result in rejection of the parts and identification as non-conforming.<br/>The distributor shall notify exceet electronics, and hold the parts, pending disposition.<br/>Any use of non-conforming parts must be approved by exceet electronics QM.</p> |  |
| <p><b>4.7</b></p>   | <p>Documented handling, warehousing, and shipping procedures to assure the integrity of the parts while in the distributor's possession.<br/>The procedures shall include:</p>   |  |
| <p><b>4.7.1</b></p> | <p>ESD protection compliant with ANSI/ESD S20.20 or EN-61340 (different parts, latest revision)</p>  |  |
| <p><b>4.7.2</b></p> | <p>MSD protection compliant with J-STD-033. Status of conformance to all MSD levels is required along with the number of bake cycles if applicable.</p>  |  |

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| <p><b>4.7.3</b></p>   | <p>Protection from physical and environmental damage to the parts or packaging.</p>   |  |
| <p><b>4.7.4</b></p>   | <p>A response plan by independent distributor/broker's quality system procedures shall be invoked in the event that confirmed or suspected non-authentic parts are discovered. The plan shall include but is not limited to provisions for the following as applicable:</p>   |  |
| <p><b>4.7.4.1</b></p> | <ul style="list-style-type: none"> <li>• Notification to exceed electronics regarding deliveries (to exceed electronics), containing any potentially suspect parts. The notification should be within 24 hours of the time the issues are discovered and shall include, or be followed by, a detailed description of the suspected defect.</li> </ul> |  |
| <p><b>4.7.4.2</b></p> | <ul style="list-style-type: none"> <li>• Containment and disposition of the parts so as to prevent use or reentry into the supply chain.</li> </ul>   |  |
| <p><b>4.7.4.3</b></p> | <ul style="list-style-type: none"> <li>• Temporary suspension of receipts from the source providing the suspect parts.</li> </ul>   |  |
| <p><b>4.7.4.4</b></p> | <ul style="list-style-type: none"> <li>• Evaluation of whether additional parts from the same source shipped to exceed electronics may be suspect.</li> </ul>   |  |
| <p><b>4.7.4.5</b></p> | <ul style="list-style-type: none"> <li>• Notification to the supposed OCM of the non-authentic discovery once confirmed.</li> </ul>   |  |

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| <p><b>4.7.4.6</b></p> | <ul style="list-style-type: none"> <li>Notification of the appropriate authorities having jurisdiction over any fraudulent activities.</li> </ul>   |  |
| <p><b>4.7.4.7</b></p> | <ul style="list-style-type: none"> <li>Disqualification of any component source who provides non-authentic parts Because of non-conformance to these guidelines.</li> </ul>   |  |
| <p><b>4.7.5</b></p>   | <p>In case exceet electronics discovers suspected non-authentic parts, broker is required to support exceet electronics’s obligation in order to perform a response plan to exceet electronics’s customer. This support should include at least:</p> <ul style="list-style-type: none"> <li>- Information about the source of suspect parts</li> <li>- Information about prior deliveries from this source</li> <li>- Support in regards to appropriate authorities having jurisdiction over any fraudulent activities</li> <li>- Disqualification of source of suspect parts.</li> </ul> |  |
| <p><b>4.8</b></p>     | <p>Certificate of Compliance - The broker shall provide certification that required inspections and tests have been completed with acceptable results</p>   |  |

The above stated List of Compliance will be base for shipment to exceet electronics and has been evaluated and truly answered by:

Company:

Name:

E-Mail: