



ELECTRODYNAMICS, INC.  
1200 Hicks Road  
Rolling Meadows, IL 60008

**Supplier Notice  
06-001**

September 2006

## **Supplier Notice 06-001 - Supplier Quality Assurance Requirements (SQAR) Form 1002 Rev. E Changes**

Valued Supply-Chain Partners -

L-3 ElectroDynamics (L-3 EDI) has found it necessary to make *major* changes to our SQAR clauses (Form 1002) flowed-down on our Purchase Orders to our suppliers in support of maintaining compliance with our customers' ever-changing requirements.

From our perspective there are four major issues/changes occurring in the aerospace and defense markets that we serve, and are being addressed in this revision.

1. Preference for Domestic Specialty Metals (a.k.a. the Berry Amendment) as specified in DFARS 252.225-7014 (Alternate I).
2. First Article Inspection as specified in SAE specification, AS9102.
3. The control of customer paid-for (owned) tooling and/or test equipment.
4. "Tin Whisker" growth that can potentially cause electrical shorting/arcing in high reliability electronic aerospace/defense applications.

To ensure compliance throughout our customer's entire supply-chain, it is imperative that our suppliers completely understand these changes and the impact to the services and products which you provide.

As a result of the extensiveness of these changes, we ask that your company's Quality Official "Reply" to the e-mail message containing this file. If you are not the appropriate individual to action this, we apologize in advance and request that you forward the e-mail to the appropriate individual.

### **Important Dates to Remember**

- *Supplier responses to SN-06-001 are requested by October 6<sup>th</sup>.*
- *Form 1002 Rev E. will become effective on PO's issued on and after 16 October 2006.*

Highlighted below are the significant changes:

### **Major Changes**

- New "Mandatory" SQARs are introduced. Reference to SQAR 13 (First Article Inspection), 21 (Preference for Domestic Specialty Metal) & 22 Special Tooling (ST) & Special Test Equipment (STE) have been incorporated into SQAR 1 (A, B or C) which will be flowed down on each production PO.
- First Article Inspection (SQAR 13) has been aligned with the guidelines contained in AS9102 and we request that our suppliers use the AS9102 FAI form available on our website at [http://www.l-3com.com/edi/supplier\\_info.htm](http://www.l-3com.com/edi/supplier_info.htm). Further definition has been made regarding when a new or a delta FAI shall be performed.

**Major Changes - Continued**

- New flowdown requirements introduced for (1) Special Tooling & Special Test Equipment (SQAR 22), and (2) Tape and Reel Packaging in accordance with an accepted industry standard (SQAR 19D).
- New “Tin Whisker” controls incorporated into existing SQAR 5A (CCA Requirements) & 5E (Solder Requirements). To prevent the possibility of tin whiskers causing potential electrical shorts and thereby ensuring continued reliability of the products we supply our customers, the tin content of products shall contain 3% minimum lead, unless otherwise authorized in writing by L-3 EDI. Additionally, 100% x-ray inspection of CCA BGA solder joints incorporated into SQAR 5A.
- Increased controls and further clarification regarding Non-Conforming Material & Supplier Corrective Action Requests incorporated into SQAR 4.

**Minor Changes**

- Minor revisions/updates to Special Process (SQARs 3D, 3F, 16 and 16A), Tool Proofing (SQAR 9), Changes (SQAR 10), Buyer/Customer Furnished Material (SQAR 15), Subtier Supplier Control (SQAR 17), Software Control (SQAR 18), and Preference for Domestic Specialty Metal (SQAR 21).
- A Definitions section was added.
- Added acceptable alternate Industry ESD standards to SQAR 7.
- Other minor corrections/changes were made through out.

Suppliers are strongly encouraged to carefully read and develop a full understanding of these changes. It is further recommended that suppliers incorporate any necessary changes into their business processes, in advance of 16 October 2006, to ensure an uninterrupted supply of compliant materials to our customers.

L-3 EDI’s objective is to promote and improve the communications with our supply-base partners. To this end, if you have any suggestions on how we may further improve communications, including our Supplier information website at [http://www.l-3com.com/edi/supplier\\_info.htm](http://www.l-3com.com/edi/supplier_info.htm), or if you have any questions regarding these changes, please do not hesitate to contact the undersigned at 847.660.1850 or [louis.s.pacini@l-3com.com](mailto:louis.s.pacini@l-3com.com).

L-3 EDI is thanking you in advance for your continued assistance in our efforts to make L-3 EDI our customers’ preferred supplier of choice.

Sincerely,

/s/  
Louis S. Pacini  
Manager of Supplier Quality

James M. Jasinski  
Director of Quality Assurance

Attchmt: SQAR Form 1002 Rev. E DRAFT