

Foreign Object Damage (FOD) Prevention

The subcontractor shall establish procedures to implement a Foreign Object Damage (FOD) Prevention program using NAS412 as a guideline. The program shall be proportional to the sensitivity of the product(s) design to FOD, as well as, to the FOD generating potential of the manufacturing methods. Existing subcontractor practices and procedures that meet specific requirements shall be documented and submitted to the buyer for review and concurrence. The procedures shall include the following elements as a minimum:

- Guidance on practices that, when followed, will eliminate damage caused by foreign objects during manufacturing, rework, and assembly and test, including but not limited to:
 - o Inspection of materials and components on receipt at the work station for cleanliness and damage, and ensuring that they are clearly and properly identified;
 - o Continual cleaning of finished and in-process materials and the surrounding work area as part of the normal in-process work effort;
 - o Steps in shop documentation to check for the presence of FOD.
 - o Wearing attire that is appropriate for the specific work area – by both operators and transients – including removal of all personal items, including jewelry (e.g., rings, watches, necklaces, earrings, badges), and restraining of all eyewear and ear protection;
 - o Elimination or limiting FOD-causing processes;
 - o A program to prevent tools, accompanying documents, and other items necessary to the manufacture of the item from becoming foreign objects; and
 - o Ensuring that items not necessary to the manufacture of the item are not introduced into the work area
- Establishment and maintenance of a training program for the FOD program.
- Identification of those categories of employees who require FOD training.