### NAV14 - TORQUE (ISO 4.9)

| A 1. | Are torque requirements identified in purchase order, procurement specification, drawing or other document? | ___Yes ___No ___N/A |
| A 2. | Are torque results documented and traceable to components, materials, areas, etc.? | ___Yes ___No ___N/A |
| A 3. | Are torque results/certification required by purchase order or other document readily available for review? | ___Yes ___No ___N/A |
| A 4. | Are the tools/instruments being utilized? | ___Yes ___No ___N/A |
|     | * Calibrated | ___Yes ___No ___N/A |
|     | * Correct range for task | ___Yes ___No ___N/A |
|     | * Maintained/stored | ___Yes ___No ___N/A |
|     | * Controlled for issue | ___Yes ___No ___N/A |
| A 5  | a. Is a procedure/work instruction readily available for torque requirements? | ___Yes ___No ___N/A |
**b.** Record torque procedure/work instruction number and appropriate approval.  
___Yes ___No ___N/A

**c.** If available, witness a torque operation on a component.  
___Yes ___No ___N/A

**d.** If not available, verify by interview that the operator is familiar with the process and procedure/work instruction.  
___Yes ___No ___N/A

**A 6.** Do the procedures/work instructions address torque safety records?  
___Yes ___No ___N/A

**A 7.** Are items requiring torque properly marked, sealed, and/or lockwired, etc. when required by specifications, after proper values have been obtained?  
___Yes ___No ___N/A

**A 8.** Does the procedure/work instruction address the proper use of a torque multiplier wrench?  
___Yes ___No ___N/A

**A 9.** Is a procedure/process invoked that provides periodic Quality Assurance monitoring/oversight of torquing?  
___Yes ___No ___N/A

**A 10.** Are torque records retained as required by specifications or procurement documents?  
___Yes ___No ___N/A
A 11. Review and record a sample of data where torque was accomplished to verify the process. Record the following:  
[___Yes ___No ___N/A]

* Torque tool serial numbers  
[___Yes ___No ___N/A]

* Torque values  
[___Yes ___No ___N/A]

* Traceability of purchase order requirements  
[___Yes ___No ___N/A]

A 12. Do the procedures/work instructions provide for resolving any over torque deficiencies?  
[___Yes ___No ___N/A]

A 13. Do the supplier procedures address special torquing requirements for special materials like non-metallic and bi-metallic?  
[___Yes ___No ___N/A]

A 14. Does the torque procedure/work instruction address re-torquing the same item many times? (i.e. After loosening and tightening many times, an item like a self-locking nut, the ability to properly lock will be lost).  
[___Yes ___No ___N/A]

Additional Comments/Concerns: