

XIV TORQUE (ISO 4.9)

		Yes	No	N/A
A	1. Are torque requirements identified in purchase order, procurement specification, drawing or other document?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A	2. Are torque results documented and traceable to components, materials, areas, etc.?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A	3. Are torque results/certification required by purchase order or other document readily available for review?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A	4. Are the tools/instruments being utilized?			
	• Calibrated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	• Correct range for task	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	• Maintained/stored	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	• Controlled for issue	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A	5a. Is a procedure/work instruction readily available for torque requirements?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A	5b. Record torque procedure/work instruction number and appropriate approval.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A	5c. If available, witness a torque operation on a component.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A	5d. If not available, verify by interview that the operator is familiar with the process and procedure/work instruction.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A	6. Do the procedures/work instructions address torque safety records?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A	7. Are items requiring torque properly marked, sealed, and/or lockwired, etc. when required by specifications, after proper values have been obtained?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A	8. Does the procedure/work instruction address the proper use of	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

a torque multiplier wrench?

		Yes	No	N/A
A	9. Is a procedure/process invoked that provides periodic Quality Assurance monitoring/oversight of torquing?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A	10. Are torque records retained as required by specifications or procurement documents?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A	11. Review and record a sample of data where torque was accomplished to verify the process. Record the following:			
	• Torque tool serial numbers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	• Torque values	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	• Traceability of purchase order requirements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A	12. Do the procedures/work instructions provide for resolving any overtorque deficiencies?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A	13. Do the supplier procedures address special torquing requirements for special materials like non-metallic and bi-metallic?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional Comments/Concerns:

