

NAV 13 Component/System Cleanliness

Applicable Standards

MIL-I-45208, MIL-Q-9858, DI-MISC-81020, NAVSEA 0948-LP-045-7010, contract requirements

1. Does the supplier have procedures for the specific cleanliness requirements?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
a. Does the procedure include acceptance criteria?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
2. Is the supplier's procedure for component/system cleanliness approved? Record Approval Number, if applicable.	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
3. Does the fluid/medium being used to flush or test the component or system meet cleanliness requirements per the contract?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
4. Check the applicable cleanliness requirement(s): <input type="checkbox"/> * Air <input type="checkbox"/> * Potable Water <input type="checkbox"/> * Hydraulic Fluid <input type="checkbox"/> * Steam <input type="checkbox"/> * Other			
5. Is the pressure the component/system is exposed to during the cleaning process per requirements?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
6. Is cleanliness verified per the required method (e.g. use of filters, viscosity, color)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
7. Does the specification allow use of recycled (reused) medium/material?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
8. Are personnel who perform component/system cleanliness trained/qualified in the procedure/specification?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
9. Do the supplier's procedures include component/system identification after cleaning (e.g. tags, stencil)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	

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<p>10. Is component/system cleanliness maintained per specification or purchase order (including Coded Notes or Standard Clauses), procedure, and work instructions?</p>	<p>Yes <input type="checkbox"/></p>	<p>No <input type="checkbox"/></p>	<p>N/A <input type="checkbox"/></p>
<p>a. Are these requirements passed down to sub-tier vendors?</p>	<p>Yes <input type="checkbox"/></p>	<p>No <input type="checkbox"/></p>	
<p>11. Check the applicable cleanliness requirement(s):</p> <p><input type="checkbox"/> * Openings covered with correct material</p> <p><input type="checkbox"/> * Component/system covered</p> <p><input type="checkbox"/> * Clean room</p> <p><input type="checkbox"/> * Other</p>	<p>Yes <input type="checkbox"/></p>	<p>No <input type="checkbox"/></p>	<p>N/A <input type="checkbox"/></p>
<p>12. Do supplier's procedures address hazmat requirements and are they readily available?</p>	<p>Yes <input type="checkbox"/></p>	<p>No <input type="checkbox"/></p>	<p>N/A <input type="checkbox"/></p>
<p>13. Do supplier's procedures require verification of cleanliness prior to packaging and shipping?</p>	<p>Yes <input type="checkbox"/></p>	<p>No <input type="checkbox"/></p>	
<p>a. Is this verification documented on the router / shop traveler?</p>	<p>Yes <input type="checkbox"/></p>	<p>No <input type="checkbox"/></p>	
<p>14. Does the item require preservation after flushing for cleanliness per specification/purchase order requirements?</p>	<p>Yes <input type="checkbox"/></p>	<p>No <input type="checkbox"/></p>	<p>N/A <input type="checkbox"/></p>
<p>a. Is the item properly identified?</p>	<p>Yes <input type="checkbox"/></p>	<p>No <input type="checkbox"/></p>	
<p>MIL-STD-1330 CLEANLINESS for items 15 & 16</p>	<p>Appl <input type="checkbox"/></p>	<p>N/A <input type="checkbox"/></p>	
<p>15. Does the supplier have an approved procedure for cleaning per MIL-STD-1330?</p>	<p>Yes <input type="checkbox"/></p>	<p>No <input type="checkbox"/></p>	
<p>16. Does the supplier's procedure address:</p>			
<p>a. Special test, fluid/lubricant requirements?</p>	<p>Yes <input type="checkbox"/></p>	<p>No <input type="checkbox"/></p>	

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b. Clean room requirements (e.g. structure, temperature, humidity, ventilation, air pressure, clothing, equipment)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
c. Personnel qualification and training?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
d. Personnel qualification and training?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
e. Flushing requirements?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
f. Pressure testing requirements including after completion of special cleaning?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
g. Packaging and identification (e.g. double bagging, special tags, container marking)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
h. Inspection, audit and surveillance requirements?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
STEAM PLANT CLEANLINESS CONTROLS for items 17 to 21	Appl <input type="checkbox"/>	N/A <input type="checkbox"/>	
17. Does the supplier maintain a "Build Clean" philosophy throughout the manufacturing and assembly process? (may not apply to distributors)	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
18. For components (i.e. pumps) - does the supplier ensure each piece part meets steam plant cleanliness prior to assembly? (may not apply to distributors)	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
19. Are the proper protective devices (caps/covers/plugs) being used per the contract requirements and do they provide adequate protection?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
20. Is the proper type of sealing and tamper evident tape being used per the contract requirements, and are they being applied correctly?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
21. Is the supplier inspecting and verifying steam plant cleanliness aspects to the maximum extent practical to ensure no foreign material exists (i.e. paint markings, debris)? Do the routers/travelers reflect this as a hold point?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	

Additional concerns/comments: