

## N2 Product Assurance (PA) Codes Listing – Quality Guide

04-002-008, Revision A

Authorized by Procedure 04-002-001

5/22/2019

200 Series - Process Controls		
202	Foreign Object Damage/Debris Prevention and Control Program.	<p>The Supplier shall inspect for foreign objects/materials. All delivered products shall be free of foreign objects/materials including grease, lubricant, coatings not specified on purchase order, burrs, etc. For optical</p> <p>For assembled product and Optical Elements and assemblies, The Supplier shall maintain a FOD (Foreign Object Damage/Debris) control program assuring work is accomplished in a manner preventing foreign objects or material from entering and remaining in deliverable items. N2 shall have the right to perform inspection and/or audits as a method of verification that The Supplier's FOD Control program is functional, documented, and effective.</p>
209	NADCAP Special Processors	<p>The Supplier shall only subcontract special processes to Suppliers that are NADCAP certified for the special process that is subcontracted. The Seller shall ensure the NADCAP certification has not expired. Note: NADCAP certification for one special process does not ensure NADCAP certification for every special process a supplier may perform. For processes to Industry and/or Military standards, a NADCAP certificate for the specific process is required. When a supplier is performing a process to N2 specifications or MOPs (instead of an Industry/Military standard), the supplier's general NADCAP certification for the type of (painting, silk screening) process performed is acceptable</p>
212	Flow Down to Sub-tier Suppliers	<p>Whenever The Supplier subcontracts any part of the work required by this purchase order (including parts or any manufacturing process or is distributing product on behalf of an original manufacturer), it shall be The Supplier's responsibility to flow down all the applicable contractual requirements invoked on this purchase order.</p>
213	Counterfeit Parts Prevention	<p>The Supplier is hereby notified that the delivery of suspect/counterfeit, salvaged, remanufactured or reclaimed components, parts and/or materials is of special concern to N2 Imaging Systems. To mitigate the possibility of the inadvertent use of these components, parts and/or materials, The Supplier shall only purchase components, parts and/or materials procured directly from the Original Component Manufacturer (OCM)/ Original Equipment Manufacturer (OEM)/ Original Source, or through the authorized franchisee/distributor chain. Procurement through an independent distributor or broker is NOT authorized, unless first approved in writing by the Buyer. Regardless of the source of procurement, the Supplier shall provide original manufacturer documentation that authenticates traceability of the components of the applicable original manufacturer.</p>

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<b>300 Series - Inspection/Test</b>		
300	Supplier Surveillance of Seller and Seller's Sub-Tier's	Authorized representatives of the Buyer and/or Buyer's Customer and Regulatory Authority shall have the right to survey, audit, and review the Quality Assurance System employed by The Supplier and/or its Sub-Tier's. Accordingly, The Supplier and its Sub-Tier's are expected to grant the designated representative(s) access to their facility at any reasonable time and access to areas where the production of the item(s) is covered by this Purchase Order
308	First Article Inspection Reports (FAI)	First article inspection reports are required for assemblies, sub- assemblies, and detail parts including castings and forgings per AS9102 and/or functional test conformance.
<b>400 Series - Configuration Management/Change Control/Lot Control</b>		
404	Buyer's Cognizance of Deviations and Design Changes	Verbal authorizations from N2 personnel are invalid at all times.
		Proposed changes in design from the Procuring Facility's supplied drawings or specifications must be reported to the Buyer immediately. No change will be considered approved without written confirmation of that fact from the Buyer.
		The Supplier shall notify the N2 Imaging Systems' Buyer when The Supplier or The Supplier's sub-tiers are found to be noncompliant to Buyer specifications, supplier is disapproved by a Government agency, or Government/Industry Data Exchange Program (GIDEP) Alert is required or received affecting Buyer
		The Supplier shall not ship any material, parts, or assemblies, which do not conform to all drawings, specifications, and purchase order to the Buyer's facility or their designated receiver, without prior approval from the procuring facility's Material Review Board.
		The Buyer will accept requests for material review on a Buyer furnished report, which is available upon request. Materials with non-conforming characteristics will not be accepted unless
405	Retention of Inspection Records	Records shall be retained and available for review for a period of ten (10) years after the date of final payment. For the purposes of this instruction, records are defined as documentation that provides primary assurance of required product or service quality to the requirements of the purchase order.
413	Notification of Changes	The supplier shall notify the Buyer of changes in product and/or process, changes of suppliers and/or changes of manufacturing facility location

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500 Series - EIDP/Acceptance Data/ C of C		
500	Basic Certificate of Conformance	The certificate of conformance shall be provided with each shipment and include the following information at a minimum:
		<ul style="list-style-type: none"> <li>• Supplier name and manufacturing address and Commercial and Government Entity (CAGE code), if applicable</li> </ul>
		<ul style="list-style-type: none"> <li>• Part number (part number or raw material ordered if not the same as The Supplier’s internal part number) and engineering drawing revision</li> </ul>
		<ul style="list-style-type: none"> <li>• Part name or description (as applicable)</li> </ul>
		<ul style="list-style-type: none"> <li>• N2 purchase order and line item number</li> </ul>
		<ul style="list-style-type: none"> <li>• Quantity of parts shipped</li> </ul>
		<ul style="list-style-type: none"> <li>• Serial, batch, or lot numbers (as applicable)</li> </ul>
		<ul style="list-style-type: none"> <li>• Date of the certification of conformance</li> </ul>
		<ul style="list-style-type: none"> <li>• Government contract # (where applicable)</li> </ul>
		<ul style="list-style-type: none"> <li>• Waiver/deviation/non-conformance documentation (as applicable)</li> </ul>
		<ul style="list-style-type: none"> <li>• Title and signature of authorized supplier representative attesting to C of C accuracy.</li> </ul>
502	Raw Material Certification	The Supplier shall submit a manufacturer or mill inspection/test report that states the material type and shows the physical and chemical properties by reference to melt, cast, heat, etc., and signed by its authorized representative (or by the agency performing the tests) with each shipment. Non-metallic material shall only require a chemical properties inspection/test report.
503	Material and Physical/Chemical Certifications	All materials shall be procured from the N2 Imaging Systems approved material's original source or its N2 Imaging Systems approved franchised/authorized distributor. The Supplier shall submit a manufacturer or mill inspection/test report that states that the material meets the requirements of the applicable specifications and/or engineering drawings, identifies the material's original source and the original lot or batch number, the material type and shows the physical and chemical properties by reference to melt, cast, heat, etc., and signed by its authorized representative (or by the agency performing the tests) with each shipment. Non-metallic material shall only require a chemical properties inspection/test report. All certifications supplied as objective evidence must indicate the processor company name, full address, telephone number, Commercial And Government Entity (CAGE) code number of the facility performing each special process.

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504	Special Processes Certification	The Supplier shall furnish a certification of compliance which states the product conforms to applicable specifications required by PO, drawing or specification signed by an authorized representative of the agency performing the special process with each shipment. This requirement may appear as a separate deliverable line item on the PO. When applicable batch, lot, heat number, x-ray, heat treat chart, etc. for the special processes is performed, it shall accompany the shipment.
518	Optical Material Certification	The Supplier shall submit with each shipment a certification, signed by an authorized representative, which states that the optical glass is the type and grade specified on the drawing/purchase order.
519	Optical Material Traceability	Traceability by melt (Boule or Lot) numbers is required on all material supplied for this purchase order. Actual test data for optical properties is required on each melt lot. All material must be identified with the melt (Boule or Lot) number.
520	Optical Data Requirements	The Supplier shall supply actual spectral and/or environmental data, as required by the specification/purchase order for each material melt and/or coating lot. Data must be certified by an authorized representative. Spectral data shall include a data file in Excel format.
<b>600 Series- Packaging/Handling</b>		
600	Handling of ESD sensitive parts	ESD sensitive Materials shall be packaged/marked/shipped in accordance with current revision of N2 specification 12-035-001_PWA_PWB Fabrication, Assembly and Testing Specifications

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