

# Clarification of Standard PA Codes

## For Goodrich ISR Systems – Barrington, IL

**(This document applies only to Barrington, IL suppliers.** Barrington suppliers are to follow all PA codes listed in their purchase order, as shown in the “Product Assurance Supplement to Purchase Order” document – MAN 0129, with clarifications and additional text in this document. Where contradictions exist between this document and the Supplier Quality Manual, this document takes precedence.)

\* “Goodrich Part” means part or assembly designed by Goodrich or a supplier specifically for Goodrich Corporation.

\*\*“COTS Part” = Commercial off-the-shelf part or assembly.

PA Code#	PA Code Title	Applicable to “Goodrich Parts”*	Applicable to “COTS parts”**	Clarifications for “ <u>Existing</u> ” suppliers – <i>defined as suppliers approved on or before August 1<sup>st</sup>, 2009.</i>	Clarifications for “ <u>New</u> ” suppliers – <i>defined as suppliers approved after August 1<sup>st</sup>, 2009.</i>	General Comments/ Clarifications for <u>All</u> suppliers (regardless of when approved)
101	Supplier Quality Manual	Yes	Yes	For Existing suppliers, your Quality System is already approved. (But expect to see more correspondence about Quality Systems in the near future.) As stated in section 6.4, Existing suppliers must submit updated copies of any certificates held: for ISO, QS9000, TS16949, AS9100, ISO17025, or NADCAP.	Suppliers are approved based on a self-survey (as requested by your Goodrich Purchasing Representative), and in some cases an additional on-site survey is required prior to approval. Self-Surveys require updated copies of any certificates held: for ISO, QS9000, TS16949, AS9100, ISO17025, or NADCAP.	The Supplier Quality Manual (SQM), MAN 0079, can be found at the following URL: <a href="http://www.goodrich.com/isr/supplier">www.goodrich.com/isr/supplier</a> The cover page includes our Danbury, CT & Chelmsford, MA sites, but not Barrington, IL yet – yes, this is still the correct SQM for Barrington. Where the SQM says “EOS/SRS”, it shall be understood to include Goodrich ISR Barrington. In section 6.4 of the SQM, insert the word “applicable” in the phrase “...as well as the <u>applicable</u> detailed requirements stated in this document.”. As stated in PA Code 101, “other specific requirements (of the SQM – other than section 6.4) shall be invoked by purchase order notes (or PA Codes)”. Some sections of the SQM are invoked by other standard PA codes shown in this clarification document – specifically, FAIR requirements (related to PA code 150), Non-Conforming Material/Deviation Procedures (related to PA code 180), and Supplier Rating Details in Appendix 1 (related to PA code 111). Other sections of the SQM are for reference only (they are not requirements). Where contradictions exist between this document and the Supplier Quality Manual, this document takes precedence for Goodrich ISR Barrington).
109	Special Process Approval	Yes	No	PA Code 109 is waived completely for Existing suppliers until March 31, 2010. Lots received after March 31st, 2010 will be rejected if they do not include proof of NADCAP-certified special processes. Goodrich ISR Barrington will not initiate approval of non-NADCAP-certified suppliers unless such NADCAP-certified suppliers do not exist for a given type of special process.	Full text of PA Code 109 is required for New suppliers. Lots will be rejected if they do not include proof of NADCAP-certified special processes, and the supplier’s quality rating will be negatively impacted. Goodrich ISR Barrington will not initiate approval of non-NADCAP-certified suppliers unless such NADCAP-certified suppliers do not exist for a given type of special process.	For definitions and details about special processes, please consult the following website: <a href="http://www.pri-network.org">www.pri-network.org</a>  The term “EOS/SRS” in the text of PA Code 109 should be taken to include “Goodrich ISR Barrington”.  An unexpired copy of the NADCAP certification of the special process provider (with company name matching that in the Special Process Certification of PA Code 132) would be acceptable “proof”.

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111	Seller Quality Management System Approval	Yes	Yes	No clarifications specific to Existing suppliers.	No clarifications specific to New suppliers.	Specifically, refer to the Supplier Quality Manual, MAN 0079, Appendix 1 – "Supplier Quality and Delivery Rating" for details of quality rating. Suppliers will be contacted when ratings are published and available.
130	Certification of Compliance	Yes	Yes	No clarifications specific to Existing suppliers.	No clarifications specific to New suppliers.	In lieu of text in PA Code 130, and in lieu of section 9.2 of the Supplier Quality Manual (MAN 0079), Certifications of Compliance (CofC's) must meet the following requirements: <ul style="list-style-type: none"> <li>-Must be on company letterhead.</li> <li>-Must contain company name and address</li> <li>-Must contain part number, part name, and revision (if applicable)</li> <li>-Must contain quantity and serial numbers (if applicable)</li> <li>-Must state the purchase order number and purchase order line number on all certification documents</li> <li>-Must state the product supplied is in full conformance with the purchase order and applicable drawings and specifications</li> <li>-Must be signed by an authorized representative of the seller, and dated</li> <li>-Must contain legibly printed name and title of signee</li> <li>-Seller must submit a Certifications of Compliance with each shipment</li> <li>-Certificates of Compliance must fully and precisely comply with all of these requirements, or lots will be rejected and the supplier's quality rating will be negatively impacted.</li> </ul>

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131	Raw Material Certification	Yes	Only applicable for Hardware: nuts, bolts, other fasteners	This is a new requirement for Existing suppliers which must be met immediately for each shipment.	No clarifications specific to New suppliers.	<p>In lieu of text in PA Code 131, Raw Material Certifications must meet the following requirements:</p> <p>Where Goodrich ISR Barrington’s drawing or specification calls out a particular raw material, the seller shall submit with each shipment a certification from the raw material supplier calling out the raw material specification, matching Goodrich ISR Barrington’s drawing or specification. Certifications may exclude any stock shape callouts on the drawing or specification (e.g. bar stock, plate stock), but all other raw material specifications must be indicated. For hardware: nuts, bolts, and other fasteners, distributors shall submit Raw Material Certifications (passed down from their manufacturers’ raw material suppliers) calling out specific material specifications. In addition, Raw Material Certifications must meet the following requirements:</p> <ul style="list-style-type: none"> <li>-(Must contain raw material specification matching Goodrich drawing and/or specification, less any stock shape callouts)</li> <li>-Must be on company letterhead of the raw material supplier.</li> <li>-Must contain the raw material supplier’s company name and address</li> <li>-Must contain part number, part name, and revision (as applicable)</li> <li>-Must contain quantity or amount shipped</li> <li>-Must state the purchase order number and purchase order line number (that was issued to the raw material supplier) on all certification documents</li> <li>-Must state the product supplied is in full conformance with the purchase order and the indicated raw material specification</li> <li>-Must be signed by an authorized representative of the raw material supplier, and dated</li> <li>-Must contain legibly printed name and title of signee</li> <li>-Seller must submit a copy of the Raw Material Certification with each shipment (seller shall retain original)</li> <li>-Raw Material Certifications must fully and precisely comply with these requirements, or lots will be rejected and the supplier’s quality rating will be negatively impacted.</li> </ul>

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132	Special Process Certification	Yes	No	This is a new requirement for Existing suppliers which must be met immediately for each shipment.	No clarifications specific to New suppliers.	<p>Additional text for PA Code 132: Where Goodrich ISR Barrington’s drawing or specification calls out a particular special process, the Special Process Certification shall call out the specific and full special process specification by name/number as shown on Goodrich ISR Barrington’s drawing or specification. Special process certifications are required from the special process provider regardless of whether the provider is a supplier or a process internal to the seller. In addition, Special process certifications must meet the following requirements:</p> <ul style="list-style-type: none"> <li>- (Must contain full special process specification matching Goodrich drawing and/or specification)</li> <li>- Must be on company letterhead of the special process supplier/provider.</li> <li>- Must contain the special process supplier’s company name and address</li> <li>- Must contain Goodrich’s part number, part name, and revision (as applicable)</li> <li>- Must contain quantity or amount shipped</li> <li>- Must state the purchase order number and purchase order line number (that was issued to the special process supplier) on all certification documents (if a supplier was used)</li> <li>- Must state the product supplied is in full conformance with the purchase order and the indicated special process specification.</li> <li>- Must be signed by an authorized representative of the special process supplier, and dated</li> <li>- Must contain legibly printed name and title of signee</li> <li>- Seller must submit a copy of the Special Process Certification with each shipment (seller shall retain original)</li> <li>- When applicable, batch, lot, heat number, x-ray, heat treat chart, etc., for the special process performed shall accompany each shipment.</li> <li>- Special Process Certifications must fully and precisely comply with these requirements, or lots will be rejected and the supplier’s quality rating will be negatively impacted.</li> </ul> <p>For definitions and details about special processes, please consult the following website:  <a href="http://www.pri-network.org">www.pri-network.org</a></p>

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150	First Article Inspection Report (FAIR)	Yes	No	First Article is required as described in the Supplier Quality Manual (SQM), MAN 0079, but for Existing suppliers the first articles submitted do not have to meet AS9102 requirements until March 31, 2010. Lots received after March 31st, 2010 will be rejected if first articles are not fully compliant to AS9102 – as described in PA code 150. Lots rejected for missing or incomplete first article inspection reports will count negatively against a supplier's quality rating.	Full text of PA Code 150 is required for New suppliers. Lots will be rejected if not fully compliant to AS9102 – as described in PA code 150. Lots rejected for missing or incomplete first article inspection reports will count negatively against a supplier's quality rating.	Refer to the Supplier Quality Manual (SQM), MAN 0079, to determine when a FAIR is required. All requirements in the SQM regarding submission of FAIR's also apply. Where contradictions exist between this document and the Supplier Quality Manual, this document takes precedence. For Goodrich ISR Systems Barrington, pre-approval of the first article prior to proceeding with balance of the order is optional, as first articles can be shipped with materials.
164	Changes	Yes	Yes	No clarifications specific to Existing suppliers. Follow PA code 164 as written.	No clarifications specific to New suppliers. Follow PA code 164 as written.	Additional text for PA Code 164: Suppliers shall not make substitutions without prior written approval of their Goodrich purchasing representative, even if such substitutions are deemed equal or better than contractual specifications. Suppliers that are design-responsible for a non-commercial part (a Goodrich-specific system, assembly or part) who are planning permanent design changes must obtain written approval in advance from their Goodrich Purchasing representative.
175	Customer Right of Inspection	Yes	Yes	No clarifications specific to Existing suppliers. Follow PA code 175 as written.	No clarifications specific to New suppliers. Follow PA code 175 as written.	No clarifications for All suppliers. Follow PA code 175 as written.

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180	Buyer's Cognizance of Deviations and Design Changes	Yes	Yes	No clarifications specific to Existing suppliers.	No clarifications specific to New suppliers.	<p>The supplier shall not take <i>verbal</i> direction concerning <i>requirements</i>, including verbal direction from <i>any</i> Goodrich employee, as Goodrich's Quality department will inspect strictly to the documented purchase order and its referenced documentation, and non-conformances will go against a supplier's quality record. Proposed changes to requirements must be channeled through Goodrich's purchasing department and are made official through purchase order revisions. Exceptions/deviations to the purchase order can only be authorized via an approved deviation/VMRR form as described in PA code 180, which must be fully approved <i>prior to</i> shipment. Deviation requests should be kept to a minimum, as approved deviations count negatively on the supplier's record - against a supplier's cost of poor quality (clarifications, as opposed to deviations, will not count against a supplier's cost of poor quality). Suppliers should conduct thorough contract and drawing/specification review prior to accepting orders in order to avoid having to apply for deviations. Under no circumstances shall a supplier <i>knowingly</i> ship nonconforming product without a fully approved VMRR form. Deviations (the VMRR form) are used for <u>temporary</u> changes only – for permanent changes, follow PA code 164.</p> <p>The VMRR form is available to the supplier at the following URL:  <a href="http://www.aerovantix.com">www.aerovantix.com</a>  Use your provided user ID and Password, or logon as a guest. Then navigate as follows from the left-hand side of the home page: <a href="#">Home</a> &gt; <a href="#">SBU</a> &gt; <a href="#">Supplier Information</a> &gt; <a href="#">ISR Systems</a> &gt; <a href="#">Supplier Quality</a>.</p> <p>More detailed requirements about Goodrich's deviation process (and use of the VMRR form) are located in the SQM (Supplier Quality Manual), MAN 0079.</p>
183	Lot Rejection	Yes	Yes	No clarifications specific to Existing suppliers.	No clarifications specific to New suppliers.	<p>Nonconforming lots or parts that are pre-approved prior to shipment on a VMRR form, per PA Code 180, will be accepted. Note: use of a VMRR counts negatively on the supplier's record - against a supplier's cost of poor quality. Under no circumstances shall a supplier <i>knowingly</i> ship nonconforming product without a fully approved VMRR form.</p>

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190	Functional Test Report	Yes	No	No clarifications specific to Existing suppliers.	No clarifications specific to New suppliers.	Functional Test Reports must fully and precisely comply with these requirements, or lots will be rejected and the supplier's quality rating will be negatively impacted.