

Unincorporated changes to Revision J of the SPOC Manual – UPDATED November 22, 2011

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Users must routinely visit the manual online, checking this change page for updates which have been made that are not currently reflected in the manual.

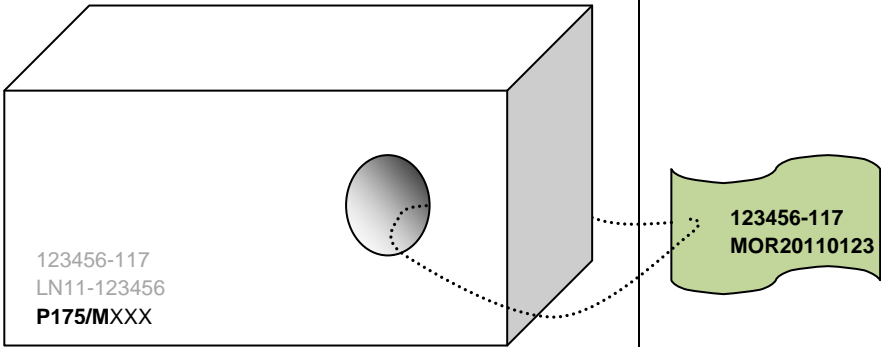
The following changes are effective on the date indicated:

Change #	SPOC	Before Change	After Change	Effective Date
1	Section 1 1.10 Quality Records	No reference to definition of quality records.	Paragraph 1.10.5, note #3 has been added, “3. Quality records shall be all records as defined within the AS9100 Standard, section 4.2.4.”	December 13, 2010
2	Section 1 1.9.4 Torrance Products	New paragraph added.	1.9.4 Torrance Products (CAGE code 70210) All suppliers and distributors shall only use Honeywell approved and qualified parts and manufacturers in Honeywell designated products, assemblies and /or sub assemblies. Typically, the following component and component assemblies called out in Bill of Material of Honeywell design drawings, are qualified by Honeywell engineering for inclusion in Honeywell AMPL (Approved Manufacturer Parts List). a. Vendor Item Control Drawing (formerly Specification control drawing) b. Source Control drawings,	December 21, 2010

Change #	SPOC	Before Change	After Change	Effective Date
			<p>c. Government/ Industry standard drawing, d. Identification cross reference drawing, e. Standard Military drawing, f. 53M series part numbers</p> <p>Honeywell engineering tests and qualifies these parts prior to their inclusion in the Honeywell AMPL. Qualified part numbers and approved manufacturers with their cage codes are documented in the Honeywell AMPL (formerly known as Mapper/query system). The data is refreshed nightly from the AMPL database. As this tool contains data from several Aerospace design locations, the suppliers will need to exercise care to use data from the Specific Honeywell site (Torrance-70210) vault.</p> <p>When approved sources are listed on both drawings and Honeywell AMPL, sources listed on the Honeywell AMPL shall take precedence over the original part drawing.</p> <p>Access to the Honeywell AMPL system is granted as needed to contract manufacturers and major distributors. Buyers may also provide the Honeywell approved supplier information in AMPL to all suppliers at the time of placement of purchase orders. If this information is missing or if further clarification and access to AMPL are required, Suppliers shall contact their buyers before using components in their assemblies.</p>	
3	SPOC 406 Commercial Items Used in Government Contracts	SPOC 406 contained large table with contract clauses identified. Table is duplication of Terms & Conditions flow down documents, which are kept up to date on the Aerospace Supplier Portal. The table in SPOC 406 is redundant, and may not be up to date.	<p>Entire SPOC 406 content revised, table removed, SPOC to reflect only the following text:</p> <p>This part has been determined to meet the definition of FAR 2.101, "Commercial Items."</p> <p>The terms contained in Honeywell's "Supplement</p>	December 21, 2010

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			Provisions for Government Commercial Items (GCIs), (SPGCI), apply and are hereby incorporated by reference as if written in full. Honeywell's Terms and Conditions of Purchase, including SPGCI, are located at the "Supplier Portal" which can be accessed on the internet at: HTTPS://WWW.SUPPLIER.HONEYWELL.COM . Pathway is <i>Aerospace Supplier Portal > Documents > Terms & Conditions.</i>	
4	SPOC 154 Key Characteristics (KC) Management	Paragraphs 154.1, 154.2, 154.3, and 154.4 identify the Honeywell sites that requirements are applicable to. Honeywell Czech Republic site Olomouc was inadvertently left off of list.	Paragraphs 154.1, 154.2, 154.3, and 154.4 revised to reflect applicability to: Greer-Mexicali-Olomouc-Phoenix Engines-Rocky Mount-Tempe-Toronto-Torrance-Tucson	December 21, 2010
5	SPOC 165 Approved Sources for Controlled Processes	New paragraph added.	165.8 Exception for Paint Specs used for Marking Several paint specifications such as M4030956 and M4065816 and other APSL controlled paint specs are often used for part marking. When used for part marking purposes only, the paint process does not require use of an approved processing source, Nadcap accreditation or SCA.	January 11, 2011
6	SPOC 562 Component Traceability	New SPOC – requirement of Airbus GRESS revision C	Refer to Addendum 1 below for content of new SPOC 562.	April 25, 2011
7	SPOC 154 Key Characteristics (KC) Management	Paragraph 154.5 requires test data be submitted to URL http://honeywell.sigmaquest.com.sq	URL for posting of test data is changed to: http://ondemand.camstar.com/honeywell	May 17, 2011
8	SPOC 124 First Article	Paragraph 124.1 Exceptions – Olathe CAGE Codes 22373, 27914,97896, 99866	Reference to these CAGE Codes is deleted. Exceptions not applicable.	May 17, 2011

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	Inspection (FAI) Requirements	– Redmond CAGE Codes 06300, OYFPO	Olathe CAGE Codes 22373, 27914, 97896, 99866 – Redmond CAGE Codes 06300, OYFPO	
9	SPOC 140 Certification of Conformance / Shipping Declaration Document / Packing Slip Requirements	Paragraph 140.4 Certification Package Requirements – Note 2 contained cert requirements which are being clarified in more detail in the update.	2. Certifications shall include name of process source, specifications and revision letters used. The actual physical and chemical process and heat numbers as applicable shall be indicated. Certifications of Conformance (C of C) must clearly state conformance to all specifications in their entirety, including type, class and grade exactly as described from the drawing or BOM note , imbedded specifications that contain specific acceptance testing criteria, additional processing requirements, and/or any specific requirements that pertain to hardware approval or acceptance. NOTE that various Honeywell sites may identify Grade and Class using abbreviations. These must be clearly understood before certifying compliance. Any confusion or questions shall be directed to the buyer.	July 28, 2011
10	SPOC 200 Part Marking Requirements	New paragraph added.	200.11 Olomouc Orders Only RMRA Marking Prior to shipment of an article dispositioned via RMRA, marking is required as listed below: 1. The article shall be marked with the P175/MXXX number. The XXX corresponding with the date of Julian calendar on which RMRA advances to the status of 'closed'. P175/Mdate marking <ul style="list-style-type: none"> • Must be required by Honeywell in RMRA form. If it is not required, supplier will not use it. 	July 28, 2011

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			<ul style="list-style-type: none"> • Shall be applied in the vicinity of the marking designations which were applied to the item per engineering drawing requirements. • Shall conform to the engineering drawing marking requirements which specify the method, size, and location, unless otherwise directed by the RMRA. <p>2. Supplier shall always physically tag the part by attaching one green tag per part or package for small parts. This tag must be securely fastened to the item and must contain at least the following information:</p> <ol style="list-style-type: none"> 1. Part number 2. RMRA number. <p><i>(for example MOR20110123-01)</i></p> <p>Approximate size of the tag shall be 65x130 mm (2.5 x 5 inch) and minimal text height is 10 mm (0.4 inch).</p> <p>The Supplier shall attach the tag to be clearly visible after the protective packaging has been applied.</p> 	

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11	SPOC 154 Key Characteristics (KC) Management	Paragraph 154.5 Olathe, Singapore/Bintan and Penang Orders Only section instructed suppliers to enter test data to web page link that is no longer valid.	<p>The correct Internet web page link to use for entering test data specific to paragraph 154.5 sites is: https://www.net-inspect.com</p> <p>Training on the setup and use of Net Inspect is available under the site specific training documents on the Honeywell Aerospace Supplier portal; DOCUMENTS > SITE SPECIFIC > Olathe, KS AEOC.</p>	<p>July 28, 2011</p> <p>Updated August 11, 2011</p>
12	SPOC 140 Certification of Conformance / Shipping Declaration Document / Packing Slip Requirements	SPOC 140.4, Table III, Element 17, Note 3 instructed suppliers on how to accomplish secondary hardness testing requirements. Requirements are now clarified.	<p>3. Hardness shall be re-validated through a secondary test from a representative sample – one piece from each raw material heat lot if no further heat treatment operations are performed, or for each subsequent heat treatment lot when a hardness value is specified on the engineering drawing, material or heat treatment specification contained in and including all Honeywell, Government, or Industry material specifications (AMS, ASTM, etc). The re-validation (second hardness verification) shall be performed and documented (by the supplier or by a sub-tier), by qualified personnel—impartial and independent of the <u>original</u> verification.</p> <p>Note: This is required to substantiate that raw material and /or final product has achieved the FINAL hardness or temper as specified on the engineering drawing or referenced specifications, before delivery of the product to Honeywell. If no further heat treat is required per the engineering drawing or material specification, then the raw material specification hardness requirement must be re-verified.</p> <p>Second Hardness verification is not applicable on Standard or Catalog Hardware, Honeywell Vendor Item, Honeywell Specification Control,</p>	October 31, 2011

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			industry or commercially-available hardware (AN, MS, AS, etc.) and other non-Honeywell-designed lower level hardware or details.	
13	SPOC 179 Government and Customer Directed Source Inspection	Paragraphs 179.1 through 179.7 updated to incorporate required clarification pertaining to U.S. Government Prime Contract details. Red text represents additional details added to SPOC.	<p>179.1 Scope</p> <p><i>This SPOC applies to any quantities reflecting a U.S. Government Prime Contract Number noted on the Purchase Order. When Government Source Inspection is required, the inspection will be accomplished at the Supplier's facility unless otherwise specified on the Purchase order. The supplier shall make available all necessary specifications, documents, facilities and assistance. U.S. Government material subject to SPOC 179 shall not ship without evidence of Government Source Inspection approval unless the prime DCMA office provides alternate instructions in writing.</i></p> <p><i>This SPOC also applies to Honeywell Customer Source inspection; however, Honeywell customer's quality representatives do not have the authority to approve quantities reflecting a U.S. Government Prime Contract Number noted on the Purchase Order unless granted by the U.S. Government Contract.</i></p> <p>179.2 U.S. Government Notification Requirements</p> <p>Upon receipt of the order <i>containing quantities reflecting a U.S. Government Prime Contract Number</i>, promptly notify the <i>Government Source Inspection (GSI)</i> Representative who normally services your facility and provide a copy of the order so</p>	November 8, 2011 Updated November 22, 2011

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			<p>that appropriate planning for Government Source Inspection can be accomplished. The GSI Representative shall be notified no more than 7 work days before completion of the order.</p> <p>If unsure of the DCMA Representative, contact the Honeywell buyer immediately.</p> <p>GSI may request the supplier to furnish all work instructions down to the lowest level(s), including all mandatory government inspection points, prior to the initiation of any work.</p> <p>179.3 Honeywell Customer Notification Requirements</p> <p>Promptly notify the Customer Source Inspection Representative as directed on the Purchase order or by the buyer. Careful attention should be given to planning Source Inspection to meet Purchase Order schedules. If unsure of the Customer Quality Assurance Representative (QAR), notify the Honeywell Buyer immediately.</p> <p>The Honeywell Customer QAR may request the supplier to furnish all work instructions down to the lowest level(s), including all mandatory government inspection points, prior to the initiation of any work.</p> <p>179.4 U.S. Government In-process Inspection</p> <p>The DCMA QAR will notify the supplier of</p>	

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			<p><i>where in the process source inspection is required, and reserves the right to inspect product or process at any point along the manufacturing of the product.</i> The supplier shall provide reasonable facilities and inspection equipment for in-process inspection and records where requested.</p> <p>179.5 Honeywell Customer In-process Inspection</p> <p>The Purchase Order will specify where, in the process, source inspection shall occur by an authorized Customer QAR. The supplier shall provide reasonable facilities and inspection equipment for in-process inspection and records where requested. Supplier shall notify Honeywell a minimum of 72 hours prior to inspection.</p> <p>179.6 Pre-Cap Source Inspection</p> <p>Honeywell's pre-cap source inspection is required at the supplier's facility. Honeywell shall be notified ten days prior to the close up or sealing of devices supplied against this order so that Pre-cap / Internal Visual inspection can be performed. Evidence of Honeywell's Quality representative's certification shall accompany shipment per SPOC 140.</p> <p>179.7 Evidence of Source Acceptance</p> <p>Evidence of Source Inspection acceptance for a single shipment will be the authorized stamp or signature on the packing list.</p>	

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			<p><u>If Government Source Inspection / Defense Contract Management Agency:</u></p> <p>In addition to an authorized stamp, a letter of delegation (LOD) authority between DCMA offices is required, showing that the specific part number being shipped has been granted GSI delegation. The LOD authority must be linked to the part numbers and quantities that have been granted delegation. Where the total PO quantity is greater than the quantity pegged to the U.S. Government Prime Contract(s) Number, the LOD will be issued for the quantities associated with the Prime Contract(s) only.</p> <p>GSI acceptance of a lot of parts, which is greater than the quantity of parts being shipped, is allowed only if the evidence of GSI acceptance can be traced to each part in subsequent shipments. This can only be done if parts and GSI accepted document are marked with serial numbers or lot numbers as required by print or manufacturer's assigned traceable numbers.</p> <p>Government and Commercial items shall be segregated prior to presenting to GSI for inspection. The shippers for GSI and non-GSI quantities shall be kept separate for GSI acceptance.</p> <p>If NASA Source Inspection:</p> <p>The NASA quality representative shall be notified immediately upon receipt of this order. NASA or its designated representatives shall be notified 48 hours in advance of the time articles are ready for inspection or test. Inspection (In-process, pre-cap and/or final) is required prior to shipment from the supplier's facility.</p>	

ADDENDUM 1 -

**Revised / **Added*

SPOC 562 – Component Traceability **

The Supplier of any component assembly shall be able to, upon request, provide a list of all material utilized in the creation of said assembly. Material requiring traceability includes electrical components, the active and passive parts and items in the schematic. It does not include non critical parts such as hardware and other mechanical parts.

The list shall contain as applicable:

- the component name
- component OEM manufacturer
- Honeywell part number
- manufacturer part number
- quantity
- reference designator where used
- serial number
- lot number and / or manufacturing date
- any distinguishing markings that would aid in traceability
- also required to be provided, upon request, is the component distributor and procurement date of each component listed

The system must account for any/all components that require replacement past initial installation. The traceability must be maintained throughout the manufacturing process from work order launch to shipping to Honeywell.

In addition to the component traceability, the supplier shall, upon request, provide all necessary processing history for the assembly in question. This shall include process name, date and time, location, and operator ID of the personnel performing the function.

Revisions: New SPOC.
