GIDEP – PSMC Presentation

- Reporting Requirements
- AS6171 & AS6081 Update
- GIDEP Modernization Update
- Suspect Counterfeit
- Nonconforming
- DMSMS
- Product Change Notices (PCN)
- AMC Counterfeit Parts & Material Prevention Best Practices IPT Status
1. **PURPOSE**  In accordance with the authority in DoD Directive (DoDD) 5134.01 (Reference (a)), this instruction:

   a. Establishes a policy and assigns responsibilities necessary to Prevent the introduction of counterfeit materiel at any level of the DoD supply chain…

3. **POLICY**  Document all occurrences of suspect and confirmed counterfeit materiel in the appropriate reporting systems including the Government-Industry Exchange Program (GIDEP)
ENCLOSURE 2
RESPONSIBILITIES

8. **DoD COMPONENT HEADS.** DoD Component heads:

   b. Implement DoD anti-counterfeiting policies, procedures, practices and contract requirements for prevention, detection, disposition, remediation, investigation, reporting and restitution remedies.

   j. Report all occurrences of suspect confirmed counterfeit materiel:

      (1) To appropriate authorities, deficiency reporting systems, and GIDEP within 60 calendar days.
Section 818
(e) Improvement of Contractor Systems for Detection of Counterfeit Electronic Parts

<table>
<thead>
<tr>
<th>DFARS case</th>
<th>Title</th>
<th>Implements</th>
<th>Published</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012-D055</td>
<td>Detection and Avoidance of Counterfeit Electronic Parts.</td>
<td>Sec. 818 (b)(1), (c)(partial), (e), and (f); as amended by sec. 833 of NDAA for FY 2013.</td>
<td>Final rule published 5/6/2014.</td>
</tr>
<tr>
<td>2016-D010</td>
<td>Costs Related to Counterfeit Electronic Parts.</td>
<td>Sec. 818(c)(2)(B), as amended by sec 885(a) of NDAA for FY 2016.</td>
<td>This final rule.</td>
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</table>

252.246-7007 - Contractor Counterfeit Electronic Part Detection and Avoidance System (AUG 2016)
- Requires reporting of counterfeit and suspect counterfeit parts to GIDEP

252.246-7008 – Sources of Electronic Parts (OCT 2016)
Reporting of Nonconforming Product

FAR Case 2013–002, Expanded Reporting of Nonconforming Items, expands beyond the requirements of section 818(c)(4), applying Government wide (not just DoD) to certain parts with a major or critical nonconformance (not just counterfeit electronic parts) (proposed rule published June 10, 2014).
AS6171 – Test Method Standards, General Requirements – Suspect Counterfeit EEE Parts

- AS6171: Main Document and Slash Sheets 1 – 11 recently approved by the SAE Council and published.

AS6081 - Fraudulent/Counterfeit Electronic Parts: Avoidance, Detection, Mitigation, and Disposition – Distributors Counterfeit Electronic Parts; Avoidance Protocol, Distributors

- The AS6081 will call out the AS6171 Test Methods associated with the AS6171. There will be a Test Model associated with the DLA Requirements.
- Anticipating a publish date of Fall 2017.
GIDEP MODERNIZATION

- DASHBOARDS – User Profile
- BATCH MATCH – Wildcards
- AS6171 Defect Codes*

* The defect code, name, and definition are from AS6171 and are used by permission of SAE International. See SAE AS6171 for further information on the test method cited. Copies of AS6171 may be obtained at www.sae.org.
### Company Batch Match Reports

<table>
<thead>
<tr>
<th>Batch Match Document Name</th>
<th>Frequency</th>
<th>Last Run Date</th>
<th>Relevance</th>
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<tbody>
<tr>
<td>BATMAT1</td>
<td>DAILY</td>
<td>16-May-16</td>
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<tr>
<td>BATMAT2</td>
<td>WEEKLY</td>
<td>16-May-16</td>
<td>5</td>
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### Request Approval

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<tr>
<th>Submission Date</th>
<th>Submitting Company</th>
<th>Submitting User</th>
<th>Sponsor Name</th>
<th>GIDEP Document Number</th>
<th>Requested Level</th>
<th>Approve (Y/N)</th>
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<td>01-Jul-16</td>
<td>Stephens OCM</td>
<td>weblogic</td>
<td>bill.gio</td>
<td>TRR-TTH-875</td>
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### Request History

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<td>bill.gio</td>
<td>HTTP-H5S-785</td>
<td>2 y</td>
<td>y</td>
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</tbody>
</table>
GIDEP Suspect Counterfeit Reports
FY2012 - August 2016

- FY2012: 117
- FY2013: 51
- FY2014: 45
- FY2015: 40
- FY2016: 78
2007 - 2015 Defect Percentages by Category

- PACK: 13.91%
- DIM: 3.55%
- TERM: 44.82%
- EXT: 82.53%
- INT: 28.90%
- ELECT: 8.04%
Suspect Counterfeit by Defect Category  FY2016
Data Based on 78 GIDEP Reports

- PACK: 7 (9.0%)
- DIM: 6 (7.7%)
- TERM: 47 (60.3%)
- EXT: 40 (51.3%)
- INT: 24 (30.8%)
- ELECT: 10 (12.8%)
Reporting Suspect Counterfeit by Top Companies Whose Product was Counterfeited

<table>
<thead>
<tr>
<th>Company</th>
<th>Percentage</th>
<th>Number of Times/Products</th>
</tr>
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<tbody>
<tr>
<td>Xilinx, Inc</td>
<td>7.16%</td>
<td>49</td>
</tr>
<tr>
<td>Vishay Siliconix</td>
<td>1.32%</td>
<td>9</td>
</tr>
<tr>
<td>Toshiba</td>
<td>1.17%</td>
<td>8</td>
</tr>
<tr>
<td>Texas Instruments, Inc</td>
<td>3.51%</td>
<td>24</td>
</tr>
<tr>
<td>Samsung</td>
<td>2.05%</td>
<td>14</td>
</tr>
<tr>
<td>Philips</td>
<td>2.63%</td>
<td>18</td>
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<tr>
<td>National</td>
<td>2.49%</td>
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<tr>
<td>Motorola - Freescale</td>
<td>4.82%</td>
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<tr>
<td>Microsemi Corp</td>
<td>3.95%</td>
<td>27</td>
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<td>Maxim Integrated</td>
<td>1.61%</td>
<td>11</td>
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<td>Intersil / Xicor</td>
<td>2.34%</td>
<td>16</td>
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<tr>
<td>Intel Corp</td>
<td>4.53%</td>
<td>31</td>
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<tr>
<td>Integrated Device...</td>
<td>5.85%</td>
<td>8</td>
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<tr>
<td>Infineon Technologies</td>
<td>1.17%</td>
<td>7</td>
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<tr>
<td>Cypress</td>
<td>2.34%</td>
<td>16</td>
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<tr>
<td>Catalyst</td>
<td>1.02%</td>
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<tr>
<td>Atmel Corporation</td>
<td>4.39%</td>
<td>30</td>
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<td>Analog Devices, Inc</td>
<td>1.17%</td>
<td>8</td>
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<tr>
<td>Altera Corporation</td>
<td>4.68%</td>
<td>32</td>
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<tr>
<td>Advanced Micro...</td>
<td>2.19%</td>
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Number of Times/Products ranges from 0 to 60.
GIDEP FY2016 Nonconforming Data
Data Based on 105 Nonconforming GIDEP Reports
October 2015 - September 2016  (Does Not Include AAN)
Product Information Data (PID)
• Diminishing Manufacturing Sources and Material Shortages (DMSMS) and
• Product Change Notices (PCNs)
Diminishing Manufacturing Sources and Material Shortages (DMSMS)
Data Mined Vs. Users Submitted

Number of Documents Submitted - FY 2010 - Aug 2016

<table>
<thead>
<tr>
<th>Year</th>
<th>Submitted By Users</th>
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<tbody>
<tr>
<td>2010</td>
<td>362</td>
<td>856</td>
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<tr>
<td>2011</td>
<td>466</td>
<td>1045</td>
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<tr>
<td>2012</td>
<td>209</td>
<td>1319</td>
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<td>2013</td>
<td>207</td>
<td>1011</td>
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<td>2014</td>
<td>174</td>
<td>1138</td>
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<td>2015</td>
<td>200</td>
<td>1174</td>
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<tr>
<td>2016</td>
<td>161</td>
<td>1234</td>
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Data Sources

• Mostly from the Web (84% in 2015, 87% in 2016)
• Direct submittals from GIDEP Members
  – DLA Land & Maritime
  – Raytheon
  – Texas Instruments
  – Vishay
  – Aeroflex
  – Harris
  – Intersil
• Direct submittals from non-GIDEP Members
  – Maxim
DMSMS Commodities

- Connectors, 548
- Microcircuits, 493
- Computers, 400
- Electronic components, 371
- Software, 344
- Networks, 218
- Electronic modules, 159
- Communications, 146
- Switches, 124
- Capacitors, 118
- Diodes, 77
DMSMS DATA 1QTR FY2016 (330 Reports)

- Low Demand (Other): 79.1% (261 reports)
- Software Change: 12.7% (42 reports)
- Specification Change: 1.5% (5 reports)
- Process Change: 1.5% (5 reports)
- Part Number Change: 3.0% (10 reports)
- Material Change: 8.8% (29 reports)
- Location Change: 1.5% (5 reports)
- Equipment Change: 3.0% (10 reports)
- Drawing Change: 2.4% (8 reports)
- Design Change: 1.5% (5 reports)
- Company Name Change: 0.0% (0 reports)
Product Change Notices
Product Change Commodities

- Connectors, 2286
- Microcircuits, 1700
- Computers, 805
- Transistors, 216
- Diodes, 184
- Communications, 149
- Relays, 134
- Capacitors, 110
- Resistors, 100
- Circuit Protection, 88
- Networks, 86
- Electronic Components, 128
- Switches, 105

Reports from past 3 years
AMC Counterfeit Parts & Material Prevention Best Practices IPT Status

• Chair ➔ Eric Hoover, US Army, Rock Island Arsenal, IL
• IPT various members from across the DoD, US Army, DLA, Tobyhanna, NAVAIR, DCMA, PEO SOLDIER, GIDEP, etc
• IPT approach changing, Focus Groups to SMEs
• Common definitions for Counterfeit were compiled & handed out
• Looking for various process SMEs for feedback
• Capturing counterfeit SOPs and process maps (PDREP, etc)
• Reviewing SAE Standards, Counterfeit notification processes
• Identifying available Counterfeit Prevention Training available and reviewing