

# Tooling Manual (TMS-MC-015) Revision Log

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| 26 | 3-15-2010 | <p><b>Revised Part I</b>, par. 1.1, 2.12, 3.1, 5.1, 5.3, 6.1, 6.2, 7.3, 7.3.1, 7.3.2, 8.1, 9.0, 10.3, 10.4, 10.7, 11.1, 11.1.3, 11.2, 11.3, 11.4, 11.5, 12.1. <b>Part II</b>, par. 1.0, 2.1, 3.1, 3.4, 4.1, 6.0. <b>Part III</b>, par. 3.1, 3.2, 9.3. <b>Part IV</b>, par. 3.4, 3.5. Revised by deletion Part I, par. 2.14.</p> <p><b>Added- Part I</b>, par. 1.4, 2.1.1, 2.1.2, 2.13.4, 2.15, 3.5, 3.6, 3.7, 3.8, 3.9, 7.1.2, 7.1.3, 7.1.4, Note to 10.1, Bullets to 11.1, 11.1.4 through 11.1.9, Bullet to 11.5, Section 13.0, <b>Part II</b>, par. 1.1, 2.2, 2.3, 3.8, 3.9, 3.10, 4.4, 6.5, 7.2, Section 8.0. <b>Part IV</b>, par. 1.3. <b>All Figures revised, re numbered and additions</b>, DS-1017 I/R label, I/R wear groove example, I/R hole options, I/R hole examples, I/R tool design requirements.</p> |
| 25 | 2-4-2009  | <p><b>Revised Part I</b>, par. 2.14.3, 5.0 Title revised, 9.0 by adding clarification, 10.1 by deleting redundant language, 12.0 by clarifying record retention requirements. <b>Part III</b>, par. 1.1.</p> <p><b>Added Part I</b>, par. 2.15 Applicable Documents, 16PP1957 and 5PD41327. <b>Part II</b>, par. 7.0 by adding duplicate tool manufacturing requirements.</p>  |
| 24 | 6-12-2008 | <p><b>Revised – Part I</b>, par. 7.1, 7.2, 7.3.1, 10.2, 10.3, 11.1 11.2, 11.3, 11.6 and 11.7. <b>Part II</b>, par. 1.0 3.4, 4.0. <b>Part III</b> par. 1.1 and 3.2. <b>Part IV</b>, par. 1.1 and 1.2.</p> <p><b>Added Part I</b>, par. 2.14.1, 2.14.2, 2.14.3, 2.14.4, defining the SATEIAR Checklist applicable to suppliers delegated EIA, par. 7.1.1 to establish clearer instructions for Seller requirement to provide a calibration and testing procedure for SE, MTE and STE. Par.11.1.3 Instruction to use coordination tolerances in Part IV. <b>Part II</b>, par. 4.3 and 4.3.1.</p>  |
| 23 | 1-8-2008  | <p><b>Revised Applicable Documents</b>, Application and usage. <b>Part I</b>, numerous revisions and deletions, due to adding Part IV to manual. Most all deletions are</p>  |

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| 21 | 10-25-2006 | <p><b>Revised - Part I sections 1.0</b>, revised by adding requirement definition to include Support Equipment, Manufacturing Support Equipment, Special Test Equipment and Manufacturing Test Equipment. <b>2.0</b>, revised to include definitions of added tooling in section 1.0 and better clarification to existing language. <b>3.0</b>, revised language for clarity and added basic tooling hole tolerances. <b>5.0</b>, revised record requirements. <b>6.0</b>, revised text and grammar. <b>7.0</b>, revised text and grammar and added specific requirements for U.S. Government owned tooling. <b>8.0</b>, revised text and grammar. <b>9.0</b> grammatical changes. <b>10.0</b> several grammatical changes and added paragraph 10.8. <b>11.0</b>, completely rewritten to provide greater clarity of LM Aero requirements for Periodic Inspection of tooling. <b>12.0</b> added to additional record requirements. <b>Part II sections 1.0 through 6.0</b>, revisions are mostly grammatical changes for clarity.</p> <p><b>Added Part III</b> Addressing International Sellers. Formally known as International Co-producers and Sub-contractors.</p> <p><b>Deleted Appendix A</b> All references contained in this Appendix are defined in detail within PM-4053</p> |
| 20 | 7-25-2005  | <p><b>Revised (1)</b> All specific call outs of TMS-MC-002 or other TMS, TDS or MSM documents were deleted and replaced with reference to PM-4053 manual which supersedes these documents as of July 1, 2005. <b>(2)</b> Revised all associating language and or text from superseded documents and corrected grammatical errors.</p>  |
| 19 | 5-9-2005   | <p><b>Added: (1)</b> Paragraphs 2.2 and 2.3 to part one defining usage requirements of SPaR and SATR. <b>(2)</b> Paragraph 6.0 to part two addressing Torque Seal requirements. <b>Revised: (1)</b></p>  |