

## Appendix C: Manufacturing and Quality Tools

Tools identified in the M&Q BoK are listed below alphabetically and many contain a link to the referenced tools that are published by a U.S. Government entity and available in the public domain. If the tool is commercially available either for free or for a charge, the entry will direct the reader to *Internet Search*. Individual publishers may provide a short video on how to use the tool.

Acquisition Decision Memorandum (ADM) MDD Template

[https://www.dau.edu/tools/t/Acquisition-Decision-Memorandum-\(ADM\),-Materiel-Development-Decision-\(MDD\)-Template-v1-4](https://www.dau.edu/tools/t/Acquisition-Decision-Memorandum-(ADM),-Materiel-Development-Decision-(MDD)-Template-v1-4)

Acquisition Decision Memorandum (ADM) MDD Template, Milestone A

[https://www.dau.edu/tools/t/Acquisition-Decision-Memorandum-\(ADM\),-MS-A-Template-v1-4](https://www.dau.edu/tools/t/Acquisition-Decision-Memorandum-(ADM),-MS-A-Template-v1-4)

Acquisition Decision Memorandum (ADM) MDD Template, Milestone B

[https://www.dau.edu/tools/t/Acquisition-Decision-Memorandum-\(ADM\),-MS-B-Template-v1-4](https://www.dau.edu/tools/t/Acquisition-Decision-Memorandum-(ADM),-MS-B-Template-v1-4)

Acquisition Decision Memorandum (ADM) MDD Template, Milestone C

[https://www.dau.edu/tools/t/Acquisition-Decision-Memorandum-\(ADM\),-MS-C-Template-v1-4](https://www.dau.edu/tools/t/Acquisition-Decision-Memorandum-(ADM),-MS-C-Template-v1-4)

Acquisition Logistician's Assessment Checklist (Army)

[https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&ved=2ahUKEwiRsPqKmdXtAhULIKwKHZ\\_IBX4QFjAAegQIAxAC&url=https%3A%2F%2Fwww.dau.edu%2Fcop%2Flog%2FDAU%2520Sponsored%2520Documents%2FArmy%2520Acquisition%2520Logistician%2520s%2520Assessment%2520Checklist%2520V5.0.doc&usg=AOvVaw2wved2qLjb0ZMNM6cyiBzL](https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&ved=2ahUKEwiRsPqKmdXtAhULIKwKHZ_IBX4QFjAAegQIAxAC&url=https%3A%2F%2Fwww.dau.edu%2Fcop%2Flog%2FDAU%2520Sponsored%2520Documents%2FArmy%2520Acquisition%2520Logistician%2520s%2520Assessment%2520Checklist%2520V5.0.doc&usg=AOvVaw2wved2qLjb0ZMNM6cyiBzL)

Acquisition Logistics: An Assessment Tool (NAVSO P-3690)

<https://www.dau.edu/cop/log/DAU%20Sponsored%20Documents/NAVSO%20P%203690%20ILA%20Assess%20Tool%20Sep%2001.pdf>

Acquisition Plan Preparation Guide template

[https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&cad=rja&uact=8&ved=2ahUKEwjYzKf-p7TsAhVIT6wKHYfvA8oQFjAAegQIBBAC&url=http%3A%2F%2Fwww.acqnotes.com%2FAttachments%2FAcquisition%2520Plan%2520Preparation%2520Guide.doc&usg=AOvVaw1yKslG\\_VAKiWoUuIxnBO2C](https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&cad=rja&uact=8&ved=2ahUKEwjYzKf-p7TsAhVIT6wKHYfvA8oQFjAAegQIBBAC&url=http%3A%2F%2Fwww.acqnotes.com%2FAttachments%2FAcquisition%2520Plan%2520Preparation%2520Guide.doc&usg=AOvVaw1yKslG_VAKiWoUuIxnBO2C)

Acquisition Strategy (AS) Outline

[https://ac.cto.mil/wp-content/uploads/2019/06/PDUSD-Approved-TDS\\_AS\\_Outline-04-20-2011.pdf](https://ac.cto.mil/wp-content/uploads/2019/06/PDUSD-Approved-TDS_AS_Outline-04-20-2011.pdf)

Acquisition Strategy Template

<https://www.dau.edu/tools/t/Acquisition-Strategy-Template-v2-4>

Alternative System Review (ASR) Checklist

<http://acqnotes.com/acqnote/tasks/alternative-systems-review-2>

Analysis of Alternatives (AoA) Study Plan Template

[https://www.dau.edu/tools/t/Analysis-or-Alternatives-\(AoA\)-Study-Plan-Template-v2-0](https://www.dau.edu/tools/t/Analysis-or-Alternatives-(AoA)-Study-Plan-Template-v2-0)

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AoA Study Guidance Template

[https://www.dau.edu/tools/t/Analysis-or-Alternatives-\(AoA\)-Study-Guidance-Template-v1-0](https://www.dau.edu/tools/t/Analysis-or-Alternatives-(AoA)-Study-Guidance-Template-v1-0)

AoA Study Plan Template

[https://www.dau.edu/tools/t/Analysis-or-Alternatives-\(AoA\)-Study-Plan-Template-v2-0](https://www.dau.edu/tools/t/Analysis-or-Alternatives-(AoA)-Study-Plan-Template-v2-0)

AS5553 Counterfeit Electronic Parts: Avoidance, Detection, Mitigation, and Disposition

*Internet Search*

AS6500 Manufacturing Management Program Checklist

*Internet Search*

AS9100 Quality Management System Checklist

*Internet Search*

AS9100 Quality Audit Checklist

*Internet Search*

AS9103 Variation Management of Key Characteristics Assessment

*Internet Search*

AS9133 Qualification Procedure for Standard Products (Supplier Audit) Checklist

*Internet Search*

AS9134 Supply Chain Risk Management Guidelines

*Internet Search*

AS9137 Advanced Quality Assurance Procedure (AQAP) Checklist

*Internet Search*

AS9145 Requirements for Advanced Product Quality Planning (APQP) and Production Part Approval Process (PPAP) Checklist

*Internet Search*

Assembly Chart

*Internet Search*

Assessment of Manufacturing Risk and Readiness, DI-SESS-81974

<http://www.dodmrl.com/DI-SESS-81974.pdf>

Automated Requirements Roadmap Tool (ARRT) Suite, DAU

[https://www.dau.edu/tools/t/Acquisition-Requirements-Roadmap-Tool-\(ARRT\)-Suite](https://www.dau.edu/tools/t/Acquisition-Requirements-Roadmap-Tool-(ARRT)-Suite)

Award Fee Plan Checklist

<https://www.acq.osd.mil/dpap/ccap/cc/jcchb/Files/Topical/1Restricted/award.fee.oct08.pdf>

Award Fee Plan Template

<https://www.acq.osd.mil/dpap/ccap/cc/jcchb/Files/Topical/1Restricted/award.fee.oct08.pdf>

Award Fee Sample Rating Definitions

<https://www.acq.osd.mil/dpap/ccap/cc/jcchb/Files/Topical/1Restricted/award.fee.oct08.pdf>

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Award Fee Sample Evaluation Criteria

<https://www.acq.osd.mil/dpap/ccap/cc/jcchb/Files/Topical/1Restricted/award.fee.oct08.pdf>

Benchmarking

*Internet Search*

Bill of Material Assessment

*Internet Search*

Bill of Material Data Item Description - DI-PSSS-81656B

<https://www.dau.edu/cop/dmsms/Lists/Tools/DispForm.aspx?ID=48&ContentTypeId=0x0100AE321BA2819FFD499A441F9A8F574C1600A3866BA66DC4B546AF0E2614A20E809A>

Bottleneck Analysis (Theory of Constraints)

*Internet Search*

Capability Development Document (CDD) Template

<http://acqnotes.com/acqnote/acquisitions/capability-development-document-cdd>

Capabilities-Based Assessment (CBA) Tool, DAU

<https://www.dau.edu/tools/t/CBA-Tool>

Capability Development Document (CDD) Template

<http://acqnotes.com/acqnote/acquisitions/capability-development-document-cdd>

Capacity Assessment Worksheet

*Internet Search*

Cash Flow Tool for Evaluating Alternative Finance Arrangement

<https://www.acq.osd.mil/dpap/policy/policyvault/USA005332-10-DPAP.pdf>

Cause and Effect Diagram

*Internet Search*

Contractor Purchasing System Review (CPSR)

**Note:** User must register on the DCMA 360 portal to get access

Cost Analysis Requirements Description (CARD) Guidance (see CAPE website for tools)

<http://acqnotes.com/acqnote/careerfields/cost-analysis-requirements-description>

Cost Analysis Requirements Description (CARD) Template

[https://www.dau.edu/tools/t/Cost-Analysis-Requirements-Description-\(CARD\)-Template-v1-3](https://www.dau.edu/tools/t/Cost-Analysis-Requirements-Description-(CARD)-Template-v1-3)

Cost Estimating Technique – Analogy

<http://acqnotes.com/acqnote/careerfields/cost-estimating-methods>

Cost Estimating Technique – Parametric

<http://acqnotes.com/acqnote/careerfields/cost-estimating-methods>

Cost Estimating Technique – Engineering

<http://acqnotes.com/acqnote/careerfields/cost-estimating-methods>

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Cost Estimating Technique – Actuals

<http://acqnotes.com/acqnote/careerfields/cost-estimating-methods>

Cost/Schedule Control System Criteria (C/SCSC) Reference Guide – DTIC

<https://apps.dtic.mil/dtic/tr/fulltext/u2/a258445.pdf>

Cost/Schedule Control System Criteria (C/SCSC) Guide and Checklist – DTIC

<https://www.secnav.navy.mil/rda/OneSource/Documents/CEVM/Tools%20and%20Examples/DOD%20Guides/BowmanInterpretiveGuide1.pdf>

Cost of Quality (CoQ) Estimates

*Internet Search*

Critical Chain Project Management

*Internet Search*

Critical Design Review (CDR) Checklist

<http://acqnotes.com/acqnote/acquisitions/critical-design-review>

Critical Path Template

*Internet Search*

Critical to Customer Template

*Internet Search*

Critical to Quality Tree Template

*Internet Search*

Cyber Security Assessment see Cyber Security Assessment see Cybersecurity & The Acquisition Lifecycle Integration Tool (CALIT)

[https://www.dau.edu/tools/t/Cybersecurity-and-Acquisition-Lifecycle-Integration-Tool-\(CALIT\)](https://www.dau.edu/tools/t/Cybersecurity-and-Acquisition-Lifecycle-Integration-Tool-(CALIT))

DMCA Engineering Surveillance Plan

<https://www.dema.mil/Portals/31/Documents/Policy/DCMA-INST-207.pdf>

DCMA Industrial Capability Assessment Survey

*Note: User must register on the DCMA 360 portal*

DCMA Manufacturing and Production Surveillance Plan

<https://www.dema.mil/Portals/31/Documents/Policy/DCMA-INST-204.pdf>

DCMA Manufacturing Systems Risk Assessment (MSRA) Checklist

*Note: User must register on the DCMA 360 portal*

DCMA Material Management and Accounting System (MMAS) Audit

<https://www.dema.mil/Portals/31/Documents/Policy/DCMA-INST-211.pdf>

DCMA Pre-Award Survey System (PASS) review

<https://www.dema.mil/WBT/pass/>

DCMA Pre-Award Survey (SF 1403)

[https://www.gsa.gov/reference/forms?search\\_keyword=SF%201403](https://www.gsa.gov/reference/forms?search_keyword=SF%201403)

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DCMA Pre-Award Survey – Technical (SF 1404)

<https://www.gsa.gov/forms-library/pre-award-survey-prospective-contractor-technical>

DCMA Pre-Award Survey – Production (SF 1405)

[https://www.gsa.gov/reference/forms?search\\_keyword=SF%201405](https://www.gsa.gov/reference/forms?search_keyword=SF%201405)

DCMA Pre-Award Survey – Quality Assurance (SF 1406)

[https://www.gsa.gov/reference/forms?search\\_keyword=SF%201406](https://www.gsa.gov/reference/forms?search_keyword=SF%201406)

DCMA Pre-Award Survey – Financial Capability (SF 1407)

[https://www.gsa.gov/reference/forms?search\\_keyword=SF%201407](https://www.gsa.gov/reference/forms?search_keyword=SF%201407)

DCMA Pre-Award Survey – Contractor Accounting System (SF 1408)

[https://www.gsa.gov/reference/forms?search\\_keyword=SF%201408](https://www.gsa.gov/reference/forms?search_keyword=SF%201408)

DCMA Production Planning and Control Risk Assessment Checklist

<https://www.dcmamilitary.com/Portals/31/Documents/Policy/DCMA-INST-204.pdf>

DCMA Program Assessment Report

<https://www.dcmamilitary.com/Portals/31/Documents/Policy/DCMA-MAN-3101-02.pdf>

DCMA Program Support Plan (DCMA-ANX 205-02)

*Note: User must register on the DCMA 360 portal*

DMCA QA Surveillance Plan

<https://www.dcmamilitary.com/Portals/31/Documents/Policy/DCMA-INST-309.pdf>

Design Failure Modes and Effects Analysis (DFMEA)

*Internet Search*

Design for Affordability

*Internet Search*

Design for Manufacture and Assembly (DFMA)

*Internet Search*

Design for Performance

*Internet Search*

Design for Producibility

*Internet Search*

Design for Six Sigma (DFSS)

*Internet Search*

Design of Experiments (DoE)

*Internet Search*

Design of Experiments (DoE) Analysis

*Internet Search*

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DFAR Subpart 232.10 Performance-Based Payments

[https://www.acq.osd.mil/dpap/dars/dfars/html/current/232\\_10.htm](https://www.acq.osd.mil/dpap/dars/dfars/html/current/232_10.htm)

DMSMS Cost of Alternative Solutions Worksheet (see SD-22)

[https://www.dau.edu/tools/t/SD-22-Diminishing-Manufacturing-Sources-and-Material-Shortages-\(DMSMS\)-Guidebook](https://www.dau.edu/tools/t/SD-22-Diminishing-Manufacturing-Sources-and-Material-Shortages-(DMSMS)-Guidebook)

DMSMS Implementation Plan - DI-MGMT-81949

[https://quicksearch.dla.mil/qsDocDetails.aspx?ident\\_number=280073](https://quicksearch.dla.mil/qsDocDetails.aspx?ident_number=280073)

DMSMS Health Assessment Report

[https://quicksearch.dla.mil/qsDocDetails.aspx?ident\\_number=283247](https://quicksearch.dla.mil/qsDocDetails.aspx?ident_number=283247)

Earned Value Management

[https://www.dau.edu/tools/t/EVM-General-Reference-\(Gold-Card\)](https://www.dau.edu/tools/t/EVM-General-Reference-(Gold-Card))

Failure Mode and Effects Analysis (FMEA)

*Internet Search*

Failure Modes, Effects, and Criticality Analysis (FMECA)

*Internet Search*

First Pass Yield Estimates Worksheet

*Internet Search*

First Article Inspection (FAI) Checklist, AFMC Form 260, First Article Requirements

<https://www.e-publishing.af.mil/Product-Index/#/?view=form&orgID=4&catID=9&low=200&high=299&modID=449&tabID=131>

First Article Test (FAT) Checklist

<https://www.dema.mil/Portals/31/Documents/Policy/DCMA-INST-302.pdf>

Functional Configuration Audit (FCA) Checklist (Air Force)

[Templates – USAF Acquisition Process Model \(afacpo.com\)](#)

Gantt Charts

*Internet Search*

Government Property Compliance Checklist (Navy)

<https://www.google.com/url?sa=t&ret=j&q=&esrc=s&source=web&cd=&ved=2ahUKEwiyivT-sbnsAhVHuVkJHaU5Di0QFjAAegQIAhAC&url=http%3A%2F%2Fwww.secnav.navy.mil%2Frd%2FDocuments%2FCompliance%2520Checklist.xlsx&usq=A0vVaw0Jec3r4-gNaxYYoLYbcDLM>

Histograms

*Internet Search*

IEEE 15288.1-2014, Application of Systems Engineering on Defense Programs

*Internet Search*

IEEE 15288.2-2014, Technical Reviews and Audits on Defense Programs

*Internet Search*

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IG5315.204-5(b) Section L Guide and Template

[https://far.affinitext.com/public/book?id=18966&toc\\_id=5280626#PG\\_5280626\\_60386996](https://far.affinitext.com/public/book?id=18966&toc_id=5280626#PG_5280626_60386996)

IG5315.204-5(c) Section M Guide and Template

[https://far.affinitext.com/public/book?id=18966&toc\\_id=5280779#PG\\_5280779\\_60387780](https://far.affinitext.com/public/book?id=18966&toc_id=5280779#PG_5280779_60387780)

Incentive Fee Template

<https://www.dau.edu/tools/t/FPIF-CPIF>

Independent Logistics Assessment Checklist (MCSC)

[https://www.dau.edu/cop/log/\\_layouts/15/WopiFrame.aspx?sourcedoc=/cop/log/DAU%20Sponsored%20Documents/MCSC%20ILA%20Checklist%20v3%206AUG09.xls&action=default](https://www.dau.edu/cop/log/_layouts/15/WopiFrame.aspx?sourcedoc=/cop/log/DAU%20Sponsored%20Documents/MCSC%20ILA%20Checklist%20v3%206AUG09.xls&action=default)

Independent Technical Risk Assessments (ITRAs) Execution Guidance

<https://ac.cto.mil/wp-content/uploads/2020/12/DoD-ITRA-ExecGuide-2020s.pdf>

Industrial Base Assessment Survey Form (DCMA Industrial Analysis Group)

*Internet Search*

Industrial Base Sector Plans (no specific tool)

*Internet Search*

Initial Capabilities Document (ICD) Template (on page 2 of ICD Writers Guide

<https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&ved=2ahUKEwiz0K6U09XtAhUNWq0KHYYuuAMEQFjABegQIARAC&url=http%3A%2F%2Fwww.acqnotes.com%2FAttachments%2FCapability%2520Development%2520Document%2520Template%252030%2520Oct%252012.doc&usq=AOvVaw167Frt1uVVB8BdH4AjRAj>

In-Service Review (Checklist)

[In-Service Review - AcqNotes](#)

Integrated Master Plan/Integrated Master Schedule (IMP/IMS)

*Internet Search MS Project*

Interactive MRL Users Guide (Checklist), all threads

<http://www.dodmrl.com/>

Initial Capabilities Document (ICD) Template

<http://acqnotes.com/acqnote/acquisitions/initial-capabilities-document-icd>

ISO 9001, Quality Management Systems, Quality Audit Checklist

*Internet Search*

ISO 14001 Environmental Management System (EMS) Gap Analysis Checklist

*Internet Search*

ITAR Compliance Checklist

*Internet Search*

Lead Time Estimator

*Internet Search*

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Learning Curve Calculator (Estimator)

<https://www.dau.edu/tools/t/Learning-Curve-QuickCalc>

Learning Curve Estimation (M&S Software)

*Internet Search*

Learning Curve Worksheet (in Excel)

*Internet Search*

Life Cycle Sustainment Plan outline

[https://www.dau.mil/tools/t/Life-Cycle-Sustainment-Plan-\(LCSP\)-Outline](https://www.dau.mil/tools/t/Life-Cycle-Sustainment-Plan-(LCSP)-Outline)

Life Cycle Sustainment Plan template (AFLCMC)

[https://www.dau.mil/tools/Lists/DAUTools/Attachments/56/Life%20Cycle%20Sustainment%20Plan%20\(LCSP\)%20%20Outline%20AFLCMC%20ADDM%20Template%20v2.docx](https://www.dau.mil/tools/Lists/DAUTools/Attachments/56/Life%20Cycle%20Sustainment%20Plan%20(LCSP)%20%20Outline%20AFLCMC%20ADDM%20Template%20v2.docx)

Line of Balance Template

*Internet Search*

Logistics Assessment Guidebook (DAU), Appendix A: Integrated Product Support Element

<https://www.dau.edu/tools/t/Logistics-Assessment-Guidebook>

Long Lead Times Material Report, DI-PSSS-82201

<https://standards.globalspec.com/std/10291122/di-psss-82201>

Make/Buy Plans/Decision

*Internet Search*

ManTech Roadmap

*Internet Search*

ManTech Strategic Plan

*Internet Search*

Manufacturing Capability Assessment Worksheet

*Internet Search*

Manufacturing Cost Estimating Worksheet (commercial)

*Internet Search*

Manufacturing Maturation Plan (see MRL Deskbook)

<http://www.dodmrl.com/>

Manufacturing Plan, DI-MGMT-81889A

[http://everyspec.com/DATA-ITEM-DESC-DIDs/DI-MGMT/DI-MGMT-81889A\\_55798/](http://everyspec.com/DATA-ITEM-DESC-DIDs/DI-MGMT/DI-MGMT-81889A_55798/)

Manufacturing Resource Planning (MRP II)

*Internet Search*

Manufacturing Resource Planning (MRPII) Assessment

*Internet Search*

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Manufacturing Technology (ManTech) Report, DI-MISC-81176A

[http://everyspec.com/DATA-ITEM-DESC-DIDs/DI-MISC/DI-MISC-81176A\\_13522/](http://everyspec.com/DATA-ITEM-DESC-DIDs/DI-MISC/DI-MISC-81176A_13522/)

Manufacturing Strategy (no template available)

*Internet Search*

Market Research (DAU)

<https://www.dau.edu/tools/t/Market-Research-Methods>

Market Research Report Template

<https://www.dau.edu/tools/t/Market-Research-Report-Template-v1-1>

Material Forecasting Models

Qualitative Forecasting

Executive Opinion

Sales Forecast Composite

Consumer Market Survey

Delphi

Group Discussion

Quantitative Forecasting

Time Series

Regression Modeling

*Internet Search*

Material Management and Accounting System (MMAS) Audit

[https://www.dcaa.mil/Portals/88/Documents/Guidance/Directory%20of%20Audit%20Programs/12500%20Material%20Management%20and%20Accounting%20System%20\(MMAS\)%20AP.pdf?ver=2020-07-01-133628-443](https://www.dcaa.mil/Portals/88/Documents/Guidance/Directory%20of%20Audit%20Programs/12500%20Material%20Management%20and%20Accounting%20System%20(MMAS)%20AP.pdf?ver=2020-07-01-133628-443)

Material Requirements Planning (MRP I)

*Internet Search*

Materials Requirements Planning (MRP) Assessment

*Internet Search*

Material Development Decision (MDD) ADM Template

[https://www.dau.edu/tools/t/Acquisition-Decision-Memorandum-\(ADM\),-Material-Development-Decision-\(MDD\)-Template-v1-4](https://www.dau.edu/tools/t/Acquisition-Decision-Memorandum-(ADM),-Material-Development-Decision-(MDD)-Template-v1-4)

Material Development Decision (MDD) ADM Template (Air Force)

<https://www.afacpo.com/apm/core-documents/templates/>

Material Development Decision (MDD) Development Planning Templates

<https://www.afacpo.com/apm/core-documents/templates/>

Milestone Charts (Program)

*Internet Search*

Multi-Attribute Tradespace Exploration (MATE) (see MIT Thesis)

*Internet Search*

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Operational Test Readiness Review (OTRR) Checklist

<http://acqnotes.com/acqnote/acquisitions/operational-test-readiness-review>

Operations Process Chart

*Internet Search*

Pareto Analysis

*Internet Search*

Parts List

*Internet Search*

Performance-Based Payments Guide

[https://www.acq.osd.mil/dpap/cpic/cp/docs/Performance\\_Based\\_Payment\\_\(PBP\)\\_Guide.pdf](https://www.acq.osd.mil/dpap/cpic/cp/docs/Performance_Based_Payment_(PBP)_Guide.pdf)

PERT/Network Charts

*Internet Search*

Pilot Line Demonstration and Assessment

*Internet Search*

Plant Design and Facility Layout Software Evaluation Tools

*Internet Search*

Plant Modeling and Simulation tools (FlexSim, SimFactory, etc.)

*Internet Search*

Pre-award Survey – Technical (SF 1404)

<http://www.acqnotes.com/Attachments/SF%201404%20Preaward%20Survey%20of%20Prospective%20Contractor%20-%20Technical.pdf>

Pre-award Survey – Production (sf 1405)

<http://www.acqnotes.com/Attachments/SF%201405%20Preaward%20Survey%20of%20Prospective%20Contractor%20-%20Production.pdf>

Pre-award Survey – Quality Assurance (SF 1406)

<http://www.acqnotes.com/Attachments/SF%201406%20Preaward%20Survey%20of%20Prospective%20Contractor%20-%20Quality%20Assurance.pdf>

Pre-award Survey – Financial Capability (SF 1407)

<http://www.acqnotes.com/Attachments/SF%201407%20Preaward%20Survey%20of%20Prospective%20Contractor%20-%20Financial%20Capability.pdf>

Preliminary Hazard List (PHL) (*See MIL-STD-882E, Task 201*)

<https://www.dau.edu/cop/armyesoh/DAU%20Sponsored%20Documents/MIL-STD-882E.pdf>

Preliminary Hazards Analysis (PHA) (*See MIL-STD-882E, Task 202*)

<https://www.dau.edu/cop/armyesoh/DAU%20Sponsored%20Documents/MIL-STD-882E.pdf>

Preservation, Handling, Storage, Packaging and Delivery (PHSPD) Checklist

*Internet Search*

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Process Capability Studies (Cp and Cpk assessment)

*Internet Search*

Process Capability Study Worksheet (Cp and Cpk Assessment)

*Internet Search*

Process Control Document (PCD)

*Internet Search*

Process Control Plan Worksheet

*Internet Search*

Process Failure Modes and Effects Analysis (PFMEA)

*Internet Search*

Process Modeling Tools (Siemens PLM, Delmia)

*Internet Search*

Producibility Assessment Worksheet (PAW) (see NAVSO P-3687, page F-20)

<https://www.dau.edu/cop/pqm/DAU%20Sponsored%20Documents/NAVSO%20P%203687.PDF>

Producibility Engineering and Planning (PEP) Data Item Description – DI- MGMT-80797A

[http://everyspec.com/DATA-ITEM-DESC-DIDs/DI-MGMT/DI-MGMT-80797\\_4277/](http://everyspec.com/DATA-ITEM-DESC-DIDs/DI-MGMT/DI-MGMT-80797_4277/)

Production Part Approval Process (PPAP), see AS9137 Advanced Quality Assurance Procedure (AQAP)

*Internet Search*

Production Part Approval Process (PPAP) Checklist

*Internet Search*

Production Plan (schedule)

*Internet Search*

Production Readiness Review (PRR) Checklist

*Internet Search*

Production Verification Test

*Internet Search*

Product Support Business Case Analysis Guidebook Appendix A BCA Checklist

[https://www.dau.edu/tools/t/Product-Support-Business-Case-Analysis-\(BCA\)-Guidebook](https://www.dau.edu/tools/t/Product-Support-Business-Case-Analysis-(BCA)-Guidebook)

Product Support Strategy Development Tool, Defense Acquisition University (DAU)

<https://www.dau.edu/guidebooks/Shared%20Documents/Product%20Support%20Strategy%20Development%20Tool.pdf>

Programmatic Environment, Safety, and Occupational Health Evaluation (PESHE) Template

<https://www.dau.mil/cop/pm/DAU%20Sponsored%20Documents/PESHE%20AFLCMC%20ADDM%20Template%20v2.1.docx>

## Appendix C: Tools

Progress-Based Payments Tool (recommend changing to Performance Based Payments Analysis Tool (DAU)

<https://www.dau.edu/tools/t/Performance-Based-Payments-Analysis-Tool>

Pugh Matrix Template

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Quality Assurance Program Plan, DI-QCIC-81794

[http://everyspec.com/DATA-ITEM-DESC-DIDs/DI-QCIC/DI-QCIC-81794\\_20418/](http://everyspec.com/DATA-ITEM-DESC-DIDs/DI-QCIC/DI-QCIC-81794_20418/)

Quality Assurance Provisions, DI-SESS-80789A

[http://everyspec.com/DATA-ITEM-DESC-DIDs/DI-QCIC/DI-QCIC-81794\\_20418/](http://everyspec.com/DATA-ITEM-DESC-DIDs/DI-QCIC/DI-QCIC-81794_20418/)

Quality Function Deployment (QFD) or House of Quality Matrix

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Quality Function Deployment (QFD) Excel Spreadsheet

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Quality Management Plan (Sample)

*Internet Search*

Quality Management System (QMS), DI-MGMT-82184

[https://quicksearch.dla.mil/qaDocDetails.aspx?ident\\_number=282795](https://quicksearch.dla.mil/qaDocDetails.aspx?ident_number=282795)

Quality Program Plan, DI-QCIC-81722

[http://everyspec.com/DATA-ITEM-DESC-DIDs/DI-QCIC/DI-QCIC-81722\\_43871/](http://everyspec.com/DATA-ITEM-DESC-DIDs/DI-QCIC/DI-QCIC-81722_43871/)

Quality Status Report, DI-MGMT-82186

[https://quicksearch.dla.mil/qaDocDetails.aspx?ident\\_number=282783](https://quicksearch.dla.mil/qaDocDetails.aspx?ident_number=282783)

Requirements Roadmap Worksheet, DAU

[https://www.dau.edu/tools/Documents/SAM/resources/Requirements\\_Roadmap.html](https://www.dau.edu/tools/Documents/SAM/resources/Requirements_Roadmap.html)

Requirements Traceability Matrix Template, DAU

[https://www.dau.edu/tools/Documents/SAM/resources/RTM\\_Risk\\_Register.html](https://www.dau.edu/tools/Documents/SAM/resources/RTM_Risk_Register.html)

Risk, Issue, and Opportunity (RIO) Management Guide for Defense Acquisition Programs (DoD)

<http://acqnotes.com/wp-content/uploads/2017/07/DoD-Risk-Issue-and-Opportunity-Management-Guide-Jan-2017.pdf>

Risk, Issue, and Opportunity (RIO) assessment

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Risk Management Plan Template – DAU

<https://www.dau.edu/tools/t/Risk-Management-Plan-Template-2017>

Robust Design (Taguchi)

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Rough Cut Capacity Planning Spreadsheet

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## Appendix C: Tools

Route Sheet

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Route Sheet Analysis

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Safety and Industrial Hygiene Hazard Assessment Checklist

<https://www.dla.mil/Portals/104/Documents/Strategic%20Materials/IATK/Copy%20of%20Safety%20and%20health%20checklist%20Strategic%20Materials.pdf?ver=2015-09-23-114310-987>

Shop Floor Manufacturing Plan Analysis

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Six Sigma Worksheet

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Solid modeling and analysis software programs (e.g., NX, CATIA, Pro-Engineer, Nastran add-ins)

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Source Selection Plan Template (USMC)

<https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&ved=2ahUKEwiOiba-i8bsAhUCR6wKHfTRAGsQFjAAegQIBRAC&url=https%3A%2F%2Fwww.quantico.marines.mil%2FPortals%2F147%2FDocs%2FRCO%2FSource%2520Selection%2520Plan%2520Template.doc&sg=AOvVaw0v19l6mRlO1PqWG6r6zOWY>

Supplier Quality Questionnaire

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Supply Chain Management Risk Assessment Checklist

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Strengths, Weaknesses, Opportunities and Threats (SWOT) Analysis

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System Capabilities Analytic Process (SCAP)

<https://apps.dtic.mil/dtic/tr/fulltext/u2/a539905.pdf>

Systems Engineering Management Plan, DI-SESS-81785A

[http://everyspec.com/DATA-ITEM-DESC-DIDs/DI-SESS/DI-SESS-81785A\\_53778/](http://everyspec.com/DATA-ITEM-DESC-DIDs/DI-SESS/DI-SESS-81785A_53778/)

Systems Engineering Plan (SEP) Outline

<http://acqnotes.com/acqnote/acquisitions/systems-engineering-plan>

Systems and Software Engineering–System Life Cycle Processes, ISO/IEC/IEEE 15288

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System Verification Review (SVR) Checklist

[http://acqnotes.com/acqnote/acquisitions/system-verification-review-svr#:~:text=The%20System%20Verification%20Review%20\(SVR,and%20Development%20\(EMD\)%20Phase.](http://acqnotes.com/acqnote/acquisitions/system-verification-review-svr#:~:text=The%20System%20Verification%20Review%20(SVR,and%20Development%20(EMD)%20Phase.)

## Appendix C: Tools

Taguchi Loss Function Analysis

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Technology Readiness Assessment Calculator

<https://www.dau.edu/cop/stm/Lists/Tools/AllItems.aspx>

Technology Readiness Assessment Guide (Best Practices) (Report GAO-20-48G)

<https://www.gao.gov/products/GAO-20-48G>

Technology Readiness Level (TRL) Assessment Checklist

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Test and Evaluation Master Plan (TEMP) Guidebook

<http://www.acqnotes.com/Attachments/DOT&E%20and%20TEMP%20Guidebook%20-%2028%20Mar%202013.pdf>

Test and Evaluation Master Plan (TEMP) template

[https://www.dau.edu/tools/t/Test-and-Evaluation-Master-Plan-\(TEMP\)-Template--v3-0](https://www.dau.edu/tools/t/Test-and-Evaluation-Master-Plan-(TEMP)-Template--v3-0)

Test Readiness Review (TRR) Checklist

<http://acqnotes.com/acqnote/careerfields/test-readiness-review-te>

Theory of Inventive Problem Solving (TRIZ) Matrix

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Tolerance Design

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Transition from Development to Production, DoD 4245.7-M

<https://apps.dtic.mil/dtic/tr/fulltext/u2/a303209.pdf>

TRIZ Matrix Template

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Work Breakdown Structure (Template)

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Work Measurement Analysis

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Work Measurement Time Study Worksheet (DD Form 2042-1)

<https://www.esd.whs.mil/Portals/54/Documents/DD/forms/dd/dd2042-1.pdf>

Workforce Planning Tools (SAP/Oracle/MRP II)

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Yield Rate Assessment

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