DoD Corrosion
Prevention and Control

Introducing Products to DoD Using Specifications and Standards

2011 Air Force Corrosion Conference
Robins AFB, GA (18 Aug 2011)

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Redstone Arsenal, AL
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68

19a. NAME OF RESPONSIBLE PERSON

Standard Form 298 (Rev. 8-98)
Prescribed by ANSI Std Z39-18
Presentation Outline

• SSQP Background/Introduction
• SSQP Phases I:
  – Product Introduction Resources
• SSQP Phases II:
  – Product Introduction for Existing Specifications and Standards
• SSQP Phase III:
  – Product Introduction Process for New Products or Applications Not Covered by Existing Specifications
• Product Authorization
• Questions?
DoD Corrosion Organization

Under Secretary of Defense (USD) for Acquisition, Technology, and Logistics
DoD Corrosion Executive

DUSD, Logistics and Material Readiness

Director, Defense Research and Engineering
DUSD, Science and Technology

DUSD A&T
Director, A&T, Systems and Software Engineering

DUSD, Installations and Environment

Director, Corrosion Policy and Oversight

Service Corrosion Executives (Army, Navy and Air Force)

DoD Corrosion Prevention and Control IPT

Policy and Requirements

Impact, Metrics and Sustainment

Facilities

Training and Doctrine

Specifications/Standards and Product Qualification

Communication and Outreach

IPTs

IPT member representatives

- OSD
- Joint Staff/J-4
- Army
- Navy
- Air Force
- Marine Corps
- GSA

- Army Corps of Engineers
- National Aeronautics and Space Administration
- United States Coast Guard
- NACE
- SSPC
- DLA
Specification, Standards, and Qualification Process WIPT

• Establish, refine, and develop a process for implementing a standardized, streamlined, and significantly improved method of assessing and introducing new technologies and products.

  – Provide SSQP information and processes via the DoD information and data exchange website.

  – Improve inter-service standardization, communication, and coordination.

  – Facilitate product introduction process for manufacturer’s

• How Does DoD Define Products?
Defense Standardization Program (DSP)

DoD 4120.24M – Goals:
• To Improve Military Operational Readiness
  – Interoperability of Systems, Logistics, Reliability, Maintainability, Safety, Modernization and Quality
• Reduce Total Ownership Cost
  – Reduction of Nonstandard materials, Processes and Components, Common Processes, Increased Competition, and Reduced Training
• Reduce Recycle Time
  – Standardized Items, Identify Interchangeability for New Technologies, etc.

DoD 4120.24M – Functions:
• Establishes the Qualification Program
• Defines How Products are Specified

(www.dsp.dla.mil)
How Products are covered under DSP

- **Formal Qualification (Qualified Products List/Database) (SD-6)** – *Transitioning to Qualified Products Database*
  - Performance (PRF) or Detail (DTL) Specification
  - In General, Most Specifications do not have Qualified Products Lists (QPL)

- **Non Government Standard (NGS) (SD-9)**
  - Can be Adopted if Technically Adequate for DoD Needs
  - In General, Most NGS do not have an associated QPL

- **Commercial Item Description (CID) (SD-2, SD-5)**
  - For Existing Suitable Commercial Products where an appropriate NGS Does Not Exist
  - Not Used to Encourage Development of Product (no QPL Testing)

- **Non Developmental Item (NDI) (FAR, SD-2)**

- **First Article Inspection (Acceptance Testing) (FAR)**

- **Purchase Description (SD-2, SD-5)**
  - When preparation and maintenance of a specification is not cost effective
  - For small dollar purchases under $25,000
  - For one-time buys
Defense Standardization Policy Flow Down

Policy

DoD 4120.24-M

Defense Standardization Program (DSP)

Policies and Procedures

March 2000

Office of the Under Secretary of Defense
(Acquisition, Technology, and Logistics)

Provisions

Provisions Governing Qualification

Qualified Products List
And
Qualified Manufacturers Lists

Defense Standardization Program Office
August 1999

SDMP

SD-6

Title 10 U.S.C. Sections 2451 – 2457
DoD Product Introduction Process

• The SSQP WIPT identified 3 Phases to standardize and facilitate the DoD product introduction process:
  
  – Phase I:
    • Establish a single point source of information on product introduction and populate with SSQP information and resources
    • Identify, categories, and assess pertinent corrosion specifications
  
  – Phase II:
    • Develop a resource to explain the current production introduction paths for products covered by existing specifications or standards.
  
  – Phase III:
    • Develop / Define a product evaluation process to facilitate the introduction of new products or product applications that are not covered by existing specifications or standards (5 Step Process).

Product Introduction Process Flow Diagram

Phase I
General Reference Info & Search Specs & Standards

Phase II
Product Introduction Conforming to Existing Specs

Phase III
Product Introduction No Existing Specs or Expanded Application

Phase III - 5 Step Process
1) Product Definition
2) Product Initial Screening
3) Product Lab Characterization and Evaluation
4) Product Demonstration & Validation
5) Product Authorization / Implementation
**Product Introduction Home Page**

**DLA: Doing Business with the Defense Logistics Agency - DLA**
provides supplies and services to DoD as well as training for small businesses.

**DoD: Doing Business with the Department of Defense** - DefenseLink offers a list of references to assist vendors to do business with the US Department of Defense.

**GSA: How to Sell to the Government - US General Services Administration (GSA)** is the federal government's business manager, buyer, real estate developer, telecommunications manager, and IT solutions provider.

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**Product Introduction Process**

This DoD web-based Product Introduction Process (PIP) is designed to assist suppliers in matching their product(s) to specifications and standards currently used by the DoD for corrosion prevention and control (CPC) and to facilitate the introduction of those CPC products to DoD agencies. Once you have identified the applicable specification(s) that matches your product, the appropriate steps to proceed forward for that type of specification will be provided (Qualified Products List, Non-Government Standards, Purchase Description, etc.). For example, for specifications with formal qualification, you will need to submit a formal request for testing to the appropriate cognizant Agency Point of Contact.

Registration to CorrDefense is required to access this feature of the site which includes: saving of specification searches for later use and submitting information to the DoD for consideration or potential use of products. Information submitted in the Product Information Form (PIF) is considered proprietary and is only available to the submitter and DoD personnel. This website employs government security standards (.gov) to protect data and prevent the unauthorized download or changing of information.

**NOTE:** This Product Introduction Process is not designed as a marketing tool. The web based process does not qualify your product to any specification or standard nor does it guarantee procurement of your product by any DoD agency.

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**Access Product Information Form(s)**

* Users with pop-up blockers enabled should hold the Ctrl key while clicking on the Product Information Access button until a second window or tab opens with the Product Information Forum.
Phase I Info on Selling Products to DoD

Product Introduction Process
This DoD web-based Product Introduction Process (PIP) is designed to assist suppliers in matching their products with the needs of DoD agencies and to facilitate the introduction of these products to DoD agencies. Once the supplier has submitted a formal request for testing to the appropriate cognizant agency, the PIP is used to evaluate the products.

Registration to CorrDefense is required to access this feature of the site, which includes saving of specifications and standards of products. Information submitted in the Product Information Form (PIF) is considered proprietary and is only available to the submitter and DoD. The PIF protects data and prevents unauthorized downloads or changing of information.

NOTE: This Product Introduction Process is not designed as a marketing tool. The web-based process does not qualify your product procurement of your product by any DoD agency.

Access Product Information Form(s)
* Users with pop-up blockers enabled should hold the Ctrl key while clicking on the Product Information Access button until a second window opens.

Doing Business with the Department of Defense
- Guide to DoD Contracting Opportunities (A Shop-By-Shop Approach to the DoD Marketplace)
- Federal Corrosion Standards
- Federal Corrosion Standards
- Federal Corrosion Standards
- Federal Corrosion Standards
- Federal Corrosion Standards

Office of the Secretary of Defense
- Defense Acquisition
- Electronic Warfare Office
- Small and Unmanned Business Utilization Office

Specifications and Standards Information
- Air Force
- Federal
- Defense
- Standardization Program
- Federal Standards for Specification and Standards

Access Product Information Form(s)
* Users with pop-up blockers enabled should hold the Ctrl key while clicking on the Product Information Access button until a second window opens.
Specifications and Standards Search Tool

Specifications & Standards Database includes more than 800 Corrosion Prevention and Control (CPC) Products used by the Department of Defense.
Technical Categories let suppliers narrow down applicable specs from over 800 corrosion related specifications and standards maintained in the database.
Search Specs & Standards Tool (Advanced Search)

Preparation Activity:
- AFMC LSO - (Battle Creek)
- Air Force Aeronautical Systems Center
- Air Force International Standards Office
- Air Force Petroleum Office
- Air Force Warner Robins Logistics Center
- AMCOM
- Army - Corps of Engineers
- Army Research Lab
- Army Soldier Systems Center
- CECOM

Type:
- Please Select

Sub-Type:
- 1st Article
- QPL
- CID
- Other

Status:
- Active
- Canceled
- Inactive

User Category:
- Please Select

Sub User Category:

Results per page:
- 10

Results can be:
- Displayed in multiple ways (10, 25, or 50 per page or all)
- Exported to Excel
- Printed (w/ Search Criteria)

Search By:
- Preparing Activity
- Type: (Mil/Fed or NGS)
- Sub-Type: 1st Article
- QPL
- CID
- Other
- Status
- User & Sub-User
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<tbody>
<tr>
<td>A-A-59295</td>
<td>CORROSION PREVENTIVE COMPOUND (FOR NEW AND FIELD MOTOR VEHICLES)</td>
<td>Active</td>
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<tr>
<td>MIL-PRF-46002</td>
<td>PRESERVATIVE OIL, CONTACT AND VAPOR INHIBITED</td>
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<td>MIL-C-11796</td>
<td>CORROSION PREVENTIVE COMPOUND APPLICATION</td>
<td>Active</td>
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<tr>
<td>MIL-C-15074</td>
<td>CORROSION PREVENTIVE, FINGERPRESERVATIVE</td>
<td>Active</td>
</tr>
<tr>
<td>MIL-C-40084</td>
<td>CORROSION PREVENTIVE COMPOUND OIL TYPE</td>
<td>Active</td>
</tr>
<tr>
<td>MIL-PRF-81309</td>
<td>CORROSION PREVENTIVE COMPOUND ULTRA-THIN FILM</td>
<td>Active</td>
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<tr>
<td>MIL-DTL-85054</td>
<td>CORROSION PREVENTIVE COMPOUND</td>
<td>Active</td>
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<tr>
<td>MIL-L-87177</td>
<td>LUBRICANTS, CORROSION PREVENTION DISPLACING, SYNTHETIC</td>
<td>Active</td>
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<tr>
<td>MIL-P-24138</td>
<td>PASSIVATOR COMPOUND, NAVY BOILER</td>
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<tr>
<td>MIL-PRF-16173</td>
<td>CORROSION PREVENTIVE COMPOUND COLD-APPLICATION</td>
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**Revision History**

Document ID: MIL-PRF-16173E  
Title: CORROSION PREVENTIVE COMPOUND, SOLVENT CUTBACK, COLD-APPLICATION  
Scope: This specification covers solvent-despersed corrosion preventive compounds that deposit thin, easily removable films after evaporation of solvent.  
Doc Date: January 06, 1993  
FSC/Area: 8030 - PRSRVT & SEALING COMPOUNDS  
Prep Acty: SH - Naval Sea Systems Command (Ship Systems)  
Document Status: Active  

Amendments to military specifications or specification sheets issued after August 1, 2003, are no longer published as stand-alone documents, but are incorporated in the modified document.

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<td></td>
<td>Revision D Amendment 2</td>
<td>19-NOV-1968</td>
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<td>1755.5 KB</td>
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Please note that digital document images are available in Portable Document Format (PDF) and accessing them requires Adobe Acrobat Reader.
Product Introduction Process Flow Diagram

Phase I
General Reference Info & Search Specs & Standards

Phase II
Product Introduction Conforming to Existing Specs

Phase III
Product Introduction No Existing Specs or Expanded Application

Phase III - 5 Step Process

1) Product Definition
2) Product Initial Screening
3) Product Lab Characterization and Evaluation
4) Product Demonstration & Validation
5) Product Authorization / Implementation
Phase II Production Introduction Process

**Product Introduction Process**

This DoD web-based Product Introduction Process (PIP) is designed to assist suppliers in matching their product(s) to specifications and standards currently used by the DoD for corrosion prevention and control (CPC) and to facilitate the introduction of these CPC products to DoD agencies. Once you have identified the applicable specification(s) that matches your product, the appropriate steps to proceed forward for that type of specification will be provided (Qualified Products List, Non-Government Standards, Purchase Description, etc.). For example, for specifications with formal qualification, you will need to submit a formal request for testing to the appropriate cognizant Agency Point of Contact.

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Product Introduction Process

User Policy Agreement

This Product Introduction Process (PIP) is designed to assist a supplier in matching a product(s) to specifications and standards used by the Department of Defense (DoD) for corrosion prevention and control (CPC). This process does not qualify your product or guarantee procurement by the DoD and is not intended to be used as a marketing tool. This website employs government security standards (.gov) to protect data and any attempt to alter, damage, or destroy information is prohibited. Acceptance of this User Policy Agreement is necessary to proceed.

Accept  Decline
Phase II Flow Overview

Performance Characteristics and Product Information

Version Number: 2.0
Product ID: 31142007
Product Name: Product Name
Product Description: This product provides a temporary corrosion protection. The product can be applied by spraying, brushing, or dipping.

Select Category
- Surface Treatments Finish
- Inorganic Coatings
- Primers
- Miscellaneous Processes
- Protective Coatings
- Adhesives
- Cleaners
- Solvents
- Strippers
- Top Coats & Coating Systems
- Miscellaneous Products
- CPC Inhibitors

Select Sub Category
- Protective Coatings
- Inorganic Coatings
- Primers
- Miscellaneous Processes
- Adhesives
- Cleaners
- Solvents
- Strippers
- Top Coats & Coating Systems
- Miscellaneous Products
- CPC Inhibitors

Identify Categories/Subcategories
Identify the category/subcategory that most closely covers your technology/product. To select/deselect multiple entries, hold control and click.

Describe:
- Version Number:
- Product ID:
- Product Name:
- Complete Product Description:

MILITARY/FEDERAL - 1ST ARTICLE INSPECTION

Click Here For Path Forward

Select Applicable Specification(s) or Standard(s)
Review the specifications within this category or subcategory and select the specifications that best match your product characteristics.

Document ID: MIL-I-46054
Document Title: MILITARY/FEDERAL - 1ST ARTICLE INSPECTION
Category - Sub Category: MILITARY/FEDERAL - 1ST ARTICLE INSPECTION
Preparing Activity: MILITARY/FEDERAL - 1ST ARTICLE INSPECTION

Document ID: MIL-28438
Document Title: MILITARY/FEDERAL - 1ST ARTICLE INSPECTION
Category - Sub Category: MILITARY/FEDERAL - 1ST ARTICLE INSPECTION
Preparing Activity: MILITARY/FEDERAL - 1ST ARTICLE INSPECTION

Document ID: MIL-PRF-12177
Document Title: MILITARY/FEDERAL - 1ST ARTICLE INSPECTION
Category - Sub Category: MILITARY/FEDERAL - 1ST ARTICLE INSPECTION
Preparing Activity: MILITARY/FEDERAL - 1ST ARTICLE INSPECTION

If your product meets all the requirements as noted in section 1.1 of the applicable specification(s)/standard(s) then select the applicable Path Forward for more information on introducing your product into DIB by that specification.

MILITARY/FEDERAL - QUALIFIED PRODUCTS LIST (QPL)

Click Here For Path Forward

Select Applicable Specification(s) or Standard(s)
Review the selected Specification(s)/Standard(s) and remove those that are not applicable.

Document ID: MIL-PRF-1303
Document Title: MILITARY/FEDERAL - QUALIFIED PRODUCTS LIST (QPL)
Category - Sub Category: MILITARY/FEDERAL - QUALIFIED PRODUCTS LIST (QPL)
Preparing Activity: MILITARY/FEDERAL - QUALIFIED PRODUCTS LIST (QPL)

Document ID: MIL-L9554
Document Title: MILITARY/FEDERAL - QUALIFIED PRODUCTS LIST (QPL)
Category - Sub Category: MILITARY/FEDERAL - QUALIFIED PRODUCTS LIST (QPL)
Preparing Activity: MILITARY/FEDERAL - QUALIFIED PRODUCTS LIST (QPL)

Document ID: MIL-PRF-18777
Document Title: MILITARY/FEDERAL - QUALIFIED PRODUCTS LIST (QPL)
Category - Sub Category: MILITARY/FEDERAL - QUALIFIED PRODUCTS LIST (QPL)
Preparing Activity: MILITARY/FEDERAL - QUALIFIED PRODUCTS LIST (QPL)
Completed PIF Example

MIL-FED-Spec/Std Qualified Products List (QPL) Path Forward

You have selected a standard or specification that has a Qualified Products List.

I. The following information is provided to facilitate the introduction of your product.
   A. For an overview of the Defense Standardization Program (DSP) and how products are specified, please click the following link:
      DSP Overview Brief
      http://www.dscp.dla.mil/ASSIST/QuickSearch.htm
      Enter Document ID "GG-20" in the ASSIST Quick Search
      http://assist.dals.mil/GU/14143097.html
      Enter Document ID "GG-6" in the ASSIST Quick Search
      http://assist.dals.mil/GU/14143139.html
   B. To review the documents that outline the DSP, and the program and procedures for the qualification process, please click the following links:
      DoD 4120.24-M
      http://www.dscp.dla.mil/ASSIST/QuickSearch.htm
      Enter Document ID "GG-20" in the ASSIST Quick Search
      http://assist.dals.mil/GU/14143097.html
      Enter Document ID "GG-6" in the ASSIST Quick Search
      http://assist.dals.mil/GU/14143139.html
   C. For a specific description of the QPL process, please click the following link:
      QPL Process Brief
      http://www.dscp.dla.mil/ASSIST/QuickSearch.htm
      Enter Document ID "GG-20" in the ASSIST Quick Search
      http://assist.dals.mil/GU/14143097.html
      Enter Document ID "GG-6" in the ASSIST Quick Search
      http://assist.dals.mil/GU/14143139.html

II. The following instructions are provided to ensure the qualification of your product.
   A. Once you have reviewed the information about qualification and determined the specific Specification, Type, Class, etc. that applies to your product, contact the designated qualifying activity.
   B. The qualifying activity name and contact information for this standard or specification can be found in Section 6.K of the document.

C. Follow the qualification process as outlined in I.C until all steps have been completed.
   D. For information on selling products to the government for legacy procurements under an inactive document, please use the information provided below in Section III.
   E. If the specification you have been directed to has been canceled, you should go to the document files in Assit and review the cancellation notice. This notice may provide information such as the most current documents that have replaced this specification (if applicable).

III. The following information is provided to sell qualified products to the government.
   A. For instructions on selling products to the government, please click the following links:
      DLA
      http://www.dscp.dla.mil/ASSIST/QuickSearch.htm
      http://www.dscp.dla.mil/ASSIST/QuickSearch.htm
      Enter Document ID "GG-20" in the ASSIST Quick Search
      Enter Document ID "GG-6" in the ASSIST Quick Search
   B. For information on the COD acquisition process, please click the following link:
      ACOWEB
      http://www.aco.dla.mil
   C. For an explanation of the difference between qualification and authorization/implementation, please click the following link:
      Authorization Brief (Qualified Products List)
Product Introduction Process

1. Does the product meet the requirements of an existing specification? (YES or NO)

2. If YES, then what is the product introduction path applicable to the specification?

3. If NO, then what is the product introduction path?

Phase III
Product Introduction Process Flow Diagram

**Phase I**
General Reference Info & Search Specs & Standards

**Phase II**
Product Introduction Conforming to Existing Specs

**Phase III**
Product Introduction No Existing Specs or Expanded Application
SSQP PHASE III Flow Diagram

Phase III
Product Introduction
No Existing Specs or Expanded Application

Phase III - 5 Step Process

1) Product Definition
2) Product Initial Screening
3) Product Lab Characterization and Evaluation
4) Product Demonstration & Validation
5) Product Authorization / Implementation
Each area of Product information needs to be filled out (enter data/text, attach document or check spelling)

- Enter Text/Data
- Select Radio button
- Spell Check for data field
### 4. Product/Technology Test Information *

Provide Manufacturer's test results for the product: [Add Attachments]

Has any third party testing been performed by a government or agency certified laboratory?

- [ ] No  
- [ ] Yes - provide results: [Add Attachments]

### 5. Product/Technology Sample Information *

Are product samples available for screening or analysis?

- [ ] No  
- [ ] Yes

If No, when will samples be available? If Yes, in what quantities and packaging are samples available?

### 6. Product/Technology Cost Drivers *

Describe any additional cost drivers (e.g., equipment, process changes) required for the use of the product:

[Add Attachments]

### 7. Environmental Safety Information *

Are Material Safety Data Sheets (MSDS) available for the product?

- [ ] No  
- [ ] Yes - Attach MSDS

Have any Toxicity Studies been performed on the product?

- [ ] No  
- [ ] Yes - Add Reports

Provide any additional environmental safety information:

Relevant Federal, State, or Local laws, etc. (ex: National Emission Standards for Hazardous Air Pollutants).

Details (if no information available, enter "none"): [Add Attachments]
Phase III: Step 1 Product Definition

- Supplier Submits Additional Product Information
- Updated PIF Sent out to Agency Subject Matter Experts (SMEs) for Particular Technology Area
- SME’s Review PIF and Make Initial Determination of Interest/Requirement for New Product/Technology
- Supplier Notified of Agency Determinations:
  - More information is needed to make initial assessment
  - Product/Technology is covered by an existing spec
  - There isn’t a requirement for the particular product/technology
  - There is agency interest in proceeding to Product Screening
Phase III: Step 2 Product Screening

• Supplier Submits Samples for Agency Screening Tests
  – Limited Key Tests for Technology Area

• Agency Technical Reps Perform Screening Tests

• Agency SMEs Review Screening Results and Determines Continued Agency Interest

• Supplier Notified of Agency Determinations:
  - Product/Technology Did Not Meet Key Performance Criteria
  - Continued Agency Interest, Proceed to Lab Characterization
Phase III: Step 3 Lab Characterization

- Supplier Submits Samples for Agency Lab Tests
  - All Performance Tests for Technology Area

- Supplier Submits additional Data on PIF

- Agency Technical Reps Perform Lab Evaluation Tests
  - In-house, via contractor lab or through another Agency

- Agency SMEs Review Lab Characterization Results and Determine Continued Agency Interest

- Supplier Notified of Agency Determinations:
  - Product/Technology Didn’t Meet Agency Performance Criteria
  - Continued Agency Interest, Proceed to Dem/Val
Phase III: Step 4 Product Dem/Val

• Supplier Submits Samples for Agency Dem/Val Tests
  – Product Demonstration on Operational Equipment

• Agency Technical Reps Perform Dem/Val Testing

• Agency SMEs Review Dem/Val Results and Determine Continued Agency Interest for Implementation

• Supplier Notified of Agency Determinations:
  - Product/Technology Didn’t Meet Operational Requirements
  - Continued Agency Interest, Proceed to Product Authorization & Implementation
Phase III: Step 5 Product Implementation

- Agency Determines Method for Specifying Product
  - MIL/Fed Spec, CID, PD, NGS, etc.

- Product/Technology Authorization
  - Authorization documentation (Engineering Design Change, Approval Letter, Technical Directive/Order,
    - Specific Application/Areas Authorized for Product Use

- Supply/Logistics for Product Determined
  - NSN’s, Order Quantity, etc.

- Where will the new Product/technology be used/implemented?
  - Aerospace, Ground Vehicle, Facilities, Ships, etc.
When it comes to my product, what is the Difference between Qualified and Authorized?
Qualified versus Authorized

- Generally, Qualification and Authorization are Two Different Processes

- Qualification is Legally binding on both Government & Industry and may only be a first step

- All products have to be authorized for use

- Authorization must be obtained on a specific basis if not previously granted

- Implementation path can vary widely based on the criticality, the associated risk factors and the Service/Agency specific requirements
### Qualification

- Meets Minimum Specified Requirements (QPL/QPD)
- Acceptable for where specification is approved for use in Tech Orders, Manuals, Drawings, etc.
- Does not insure/promise procurement (i.e., Must follow standard GSA, DLA, etc. procurement processes)
- Qualification does not automatically mean Product Authorization

### Authorization

- Approves Product’s use for a specific application
- Used for new products or different applications of existing products
- Steps to Authorization
  - Lab testing
  - Field prototype
  - Verification/Validation
  - Data analysis and use envelope definition
- Authorization letter, Local Process Spec, Tech Order or Manual, etc. Issued
Important Note:

This Web Based Process in Itself Does Not Qualify Your Product, Nor Does It Guarantee Procurement of Your Product, by the Department of Defense
QUESTIONS??
Phase II
Backup Slides
Product Introduction Process Flow Diagram

Phase I
General Reference Info & Search Specs & Standards

Phase II
Product Introduction Conforming to Existing Specs

Phase III
Product Introduction No Existing Specs or Expanded Application

Phase III - 5 Step Process
1) Product Definition
2) Product Initial Screening
3) Product Lab Characterization and Evaluation
4) Product Demonstration & Validation
5) Product Authorization / Implementation
Phase II Production Introduction Process

Product Introduction Process

This DoD web-based Product Introduction Process (PIP) is designed to assist suppliers in matching their product(s) to specifications and standards currently used by the DoD for corrosion prevention and control (CPC) and to facilitate the introduction of these CPC products to DoD agencies. Once you have identified the applicable specification(s) that matches your product, the appropriate steps to proceed forward for that type of specification will be provided (Qualified Products List, Non-Government Standards, Purchase Description, etc.). For example, for specifications with formal qualification, you will need to submit a formal request for testing to the appropriate cognizant Agency Point of Contact.

Registration to CorrDefense is required to access this feature of the site which includes: saving of specification searches for later use and submitting information to the DoD for consideration or potential use of products. Information submitted in the Product Information Form (PIF) is considered proprietary and is only available to the submitter and DoD personnel. This website employs government security standards (.gov) to protect data and prevent the unauthorized download or changing of information.

NOTE: This Product Introduction Process is not designed as a marketing tool. The web based process does not qualify your product to any specification or standard nor does it guarantee procurement of your product by any DoD agency.

* Users with pop-up blockers enabled should hold the Ctrl key while clicking on the Product Information Access button until a second window or tab opens with the Product Information Forum.
The user must accept the User Policy Agreement during each session until a single PIF status is marked COMPLETED in order to utilize the Product Introduction Tool.
Product Introduction MyPIF Screen

Link to Create a new PIF
This product provides a temporary corrosion protection. The product can be applied by spraying, brushing, or dipping.
Phase II Flow Overview

Identify Categories/Subcategories

Identify the category/subcategory that most closely covers your technology/product. To select/deselect multiple entries hold control and click.

Select Category
- Surface Treatments Finish
- Inorganic Coatings
- Primers
- Miscellaneous Processes
- Grease and Lubricants
- Adhesives
- Cleaners Solvents Strippers
- Top Coats & Coating Systems
- Miscellaneous Products
- CPC Inhibitors
- Sealants

Select Sub Category
- CPC Inhibitors --- Corrosion Inhibitors
- CPC Inhibitors --- Corrosion Preventive Compounds
- CPC Inhibitors --- Packaging/Miscellaneous

Show Select Category Definitions  Show Select Sub Category Definitions

Hide Category and Sub-Category Listing
Phase II Flow Overview

Select Applicable Specification(s) or Standard(s)

Review the specifications within this category or subcategory and select for the specifications that best match your product characteristics.

<table>
<thead>
<tr>
<th>Document ID</th>
<th>Document Title</th>
<th>Category - Sub Category</th>
<th>Preparing Activity</th>
<th>More Info</th>
</tr>
</thead>
<tbody>
<tr>
<td>Add</td>
<td>MIL-L-87177 LUBRICANTS, CORROSION PREVENTIVE COMPOUND, WATER DISPLACING, SYNTHETIC</td>
<td>CPC Inhibitors - Corrosion Preventive Compounds</td>
<td>Ogden Air Logistics Center</td>
<td>More</td>
</tr>
<tr>
<td>Add</td>
<td>MIL-P-24138 PASSIVATOR COMPOUND, NAVY BOILER</td>
<td>CPC Inhibitors - Corrosion Preventive Compounds</td>
<td>NAVSEA</td>
<td>More</td>
</tr>
<tr>
<td>Add</td>
<td>MIL-PRF-16173 CORROSION PREVENTIVE COMPOUND, SOLVENT CUTBACK, COLD-APPLICATION</td>
<td>CPC Inhibitors - Corrosion Preventive Compounds</td>
<td>NAVSEA</td>
<td>More</td>
</tr>
</tbody>
</table>

Review selected Specification(s) or Standard(s)

Review the selected Specification(s)/Standard(s) and remove those that are not applicable.

<table>
<thead>
<tr>
<th>Document ID</th>
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<th>Category - Sub Category</th>
<th>Preparing Activity</th>
<th>More Info</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remove</td>
<td>MIL-PRF-81309 CORROSION PREVENTIVE COMPOUNDS, WATER DISPLACING, ULTRA-THIN FILM</td>
<td>CPC Inhibitors - Corrosion Preventive Compounds</td>
<td>NAVAIR</td>
<td>More</td>
</tr>
<tr>
<td>Remove</td>
<td>MIL-DTL-85054 CORROSION PREVENTIVE COMPOUND, CLEAR (AMLGUARD)</td>
<td>CPC Inhibitors - Corrosion Preventive Compounds</td>
<td>NAVAIR</td>
<td>More</td>
</tr>
<tr>
<td>Remove</td>
<td>MIL-L-87177 LUBRICANTS, CORROSION PREVENTIVE COMPOUND, WATER DISPLACING, SYNTHETIC</td>
<td>CPC Inhibitors - Corrosion Preventive Compounds</td>
<td>Ogden Air Logistics Center</td>
<td>More</td>
</tr>
</tbody>
</table>

Reset Form  Save & Quit  Save & Next  Quit PIF
This product provides a temporary corrosion protection. The product can be applied by spraying, brushing, or dipping.

Click Here for a listing of Preparing Activity Definitions.

**Military/Federal - 1st Article Inspection**

Click Here For Path Forward

<table>
<thead>
<tr>
<th>Document ID</th>
<th>Document Title</th>
<th>Category - Sub Category</th>
<th>Preparing Activity</th>
<th>More Info</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIL-DTL-88054</td>
<td>CORROSION PREVENTIVE COMPOUND, CLEAR (AMLGUARD)</td>
<td>CPC Inhibitors - Corrosion Preventive Compounds</td>
<td>NAVAIR</td>
<td>More</td>
</tr>
<tr>
<td>MIL-L-07177</td>
<td>LUBRICANTS, CORROSION PREVENTIVE COMPOUND, WATER DISPLACING, SYNTHETIC</td>
<td>CPC Inhibitors - Corrosion Preventive Compounds</td>
<td>Ogden Air Logistics Center</td>
<td>More</td>
</tr>
</tbody>
</table>

**Military/Federal - Qualified Products List (QPL)**

Click Here For Path Forward

<table>
<thead>
<tr>
<th>Document ID</th>
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<th>Category - Sub Category</th>
<th>Preparing Activity</th>
<th>More Info</th>
</tr>
</thead>
<tbody>
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<td>MIL-PRF-31309</td>
<td>CORROSION PREVENTIVE COMPOUNDS, WATER DISPLACING, ULTRA-THIN FILM</td>
<td>CPC Inhibitors - Corrosion Preventive Compounds</td>
<td>NAVAIR</td>
<td>More</td>
</tr>
</tbody>
</table>

If your product meets all of the requirements as noted in section 3 of the applicable specification(s)/standard(s) then select the applicable Path Forward for more information on introducing your product into DoD by that specification.
### My PIFs

<table>
<thead>
<tr>
<th>Status View</th>
<th>Edit</th>
<th>PIF#</th>
<th>PIF Status</th>
<th>Product ID</th>
<th>Product/Application Name</th>
<th>Last Modified</th>
<th>Delete</th>
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</thead>
<tbody>
<tr>
<td><img src="Image" alt="Checkmark" /></td>
<td>106.1</td>
<td>101: Admin POC Review</td>
<td>1385</td>
<td>Copperseal</td>
<td>03/10/2010 10:27</td>
<td><img src="Image" alt="Checkmark" /></td>
<td></td>
</tr>
<tr>
<td><img src="Image" alt="Checkmark" /></td>
<td>107.0</td>
<td>103: Agency POC's Review</td>
<td>1250</td>
<td>NAVDEC 1250</td>
<td>03/10/2010 10:17</td>
<td><img src="Image" alt="Checkmark" /></td>
<td></td>
</tr>
</tbody>
</table>

- **Status has changed since last login**
- **Additional information requested**
- **No Agency Interest in the product/technology**
Completed PIF Example

Military/Federal - 1st Article Inspection

Click Here For Path Forward

<table>
<thead>
<tr>
<th>Document ID</th>
<th>Document Title</th>
<th>Category</th>
<th>Sub Category</th>
<th>Preparing Activity</th>
<th>More Info</th>
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</thead>
<tbody>
<tr>
<td>MIL-C-28506</td>
<td>CORROSION PREVENTIVE COMPOUND AND SURFACE SEALER FOR NONFERROUS METALS</td>
<td>MIL-PRF</td>
<td>Corrosion Preventive Compounds</td>
<td>NAVSEA Ord</td>
<td>Min</td>
</tr>
<tr>
<td>MIL-L-7707</td>
<td>LUBRICANTS, CORROSION PREVENTIVE COMPOUND, WATER DISPLACING, SYNTHETIC</td>
<td>MIL-PRF</td>
<td>Corrosion Preventive Compounds</td>
<td>Optain Air Logistics Central</td>
<td>Min</td>
</tr>
</tbody>
</table>

Military/Federal - Qualified Products List (QPL)

Click Here For Path Forward

<table>
<thead>
<tr>
<th>Document ID</th>
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<th>Category</th>
<th>Sub Category</th>
<th>Preparing Activity</th>
<th>More Info</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIL-PRF-1330</td>
<td>CORROSION PREVENTIVE COMPOUND, WATER DISPLACING, ULTRA THIN FILM</td>
<td>MIL-PRF</td>
<td>Corrosion Preventive Compounds</td>
<td>NAVSEA Ord</td>
<td>Min</td>
</tr>
<tr>
<td>MIL-PRF-16173</td>
<td>CORROSION PREVENTIVE COMPOUND, SOLVENT OUTFLOW, HOLD APPLICATION</td>
<td>MIL-PRF</td>
<td>Corrosion Preventive Compounds</td>
<td>NAVSEA Ord</td>
<td>Min</td>
</tr>
</tbody>
</table>

Military/Federal - Commercial Item Description (CID)

Click Here For Path Forward

<table>
<thead>
<tr>
<th>Document ID</th>
<th>Document Title</th>
<th>Category</th>
<th>Sub Category</th>
<th>Preparing Activity</th>
<th>More Info</th>
</tr>
</thead>
<tbody>
<tr>
<td>A.X.20293</td>
<td>CORROSION PREVENTIVE COMPOUND, HOLD APPLICATION (FOR NEW AND FIELDED MOTOR VEHICLES AND TRAILERS)</td>
<td>MIL-PRF</td>
<td>Corrosion Preventive Compounds</td>
<td>TAXCOM</td>
<td>Min</td>
</tr>
</tbody>
</table>

You have selected a standard or specification that has a Qualified Products List.

I. The following information is provided to facilitate the introduction of your product:
   A. For an overview of the Defense Standardization Program (DSP) and how products are specified, please click the following link:
      DSP Overview Brief
      http://www.asil.org/ssi/documentID=4126.24M
      Enter Document ID "SG-5" in the ASSIST Quick Search

   B. To review the documents that outline the DSP, and the program and procedures for the qualification process, please click the following links:
      DoD 4126.24M
      http://www.asil.org/ssi/documentID=4126.24M
      Enter Document ID "SG-5" in the ASSIST Quick Search

   C. For a specific description of the QPL process, please click the following link:
      QPL Process Brief
      http://www.asil.org/ssi/documentID=4126.24M

II. The following instructions are provided to pursue the qualification of your product:
   A. Once you have reviewed the information about qualification and determined the specific Specification, Type, Class, etc. that apply to your product, contact the designated qualifying activity.

   B. The qualifying activity name and contact information for this standard or specification can be found in Section 6.6 of the document.

   C. Follow the qualification process as outlined in IC until all steps have been completed.

   D. For information on selling products to the government for legacy procurements under an inactive document, please use the information provided below in Section III.

   NOTE: Specifications/Standards that are in inactive status cannot be used for new acquisitions.

   E. If the specification you have been directed to has been canceled, you should go to the document files in Assist and review the cancellation notice. This notice may provide information such as the most current documents that have replaced this specification (if applicable).

III. The following information is provided to sell qualified products to the government:
   A. For instructions on selling products to the government, please click the following links:
      DLA
      http://www.dla.mil/DS/strass/Course.htm
      DLA
      http://www.dla.mil/DS/strass/Course.htm
      http://www.dla.mil/DS/strass/Course.htm

   B. For information on the CDD acquisition process, please click the following link:
      ACQWEB
      http://www.acq.mil

   C. For an explanation of the difference between qualification and authorization/implementation, please click the following link:
      Authorization Brief (Qualified Products List)
Phase III
Backup Slides
Product Introduction Process Flow Diagram

Phase I
General Reference Info & Search Specs & Standards

Phase II
Product Introduction Conforming to Existing Specs

Phase III
Product Introduction No Existing Specs or Expanded Application

Phase III - 5 Step Process

1) Product Definition
2) Product Initial Screening
3) Product Lab Characterization and Evaluation
4) Product Demonstration & Validation
5) Product Authorization / Implementation
Product Introduction Process
Phase III Step 1 Product Definition

Supplier Provides Additional Product information
Each area of Product information needs to be filled out (enter data/text, attach document or check spelling)

- Enter Text/Data
- Select Radio button
- Spell Check for data field
Initial mandatory information to be evaluated

4. Product/Technology Test Information *
Provide Manufacturer's test results for the product: Add Attachments

Has any third party testing been performed by a government or agency certified laboratory?
☐ No  ☐ Yes - provide results: Add Attachments

5. Product/Technology Sample Information *
Are product samples available for screening or analysis?
☐ No  ☐ Yes
If No, when will samples be available? If Yes, in what quantities and packaging are samples available?

6. Product/Technology Cost Drivers *
Describe any additional cost drivers (e.g., equipment, process changes) required for the use of the product:
Add Attachments

7. Environmental Safety Information *
Are Material Safety Data Sheets (MSDS) available for the product?
☐ No  ☐ Yes  Attach MSDS

Have any Toxicity Studies been performed on the product?
☐ No  ☐ Yes  Add Reports

Provide any additional environmental safety information:

Relevant Federal, State, or Local laws, etc. (ex: National Emission Standards for Hazardous Air Pollutants).
Details (if no information available, enter "none"): Add Attachments
When all information is entered, hit submit at the bottom of the form.

<table>
<thead>
<tr>
<th>Step 3 Info</th>
<th>Certify Information on form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spell Check entire document</td>
<td>Submit form for evaluation</td>
</tr>
<tr>
<td>Type Name Here</td>
<td>Spell Check All Form Sections</td>
</tr>
</tbody>
</table>
Phase III: Step 1 Product Definition

• Supplier Submits Additional Product Information

• Updated PIF Sent out to Agency Subject Matter Experts (SMEs) for Particular Technology Area

• SME’s Review PIF and Make Initial Determination of Interest/Requirement for New Product/Technology

• Supplier Notified of Agency Determinations:
  
  - More information is needed to make initial assessment
  - Product/Technology is covered by an existing spec
  - There isn’t a requirement for the particular product/technology
  - There is agency interest in proceeding to Product Screening
Dear Joan Smith,

A new message is waiting for you!

Subject: Additional Information Required.

To read the full message, click on the [New Messages] button at the bottom of your My PIFs page in CorrDefense. [http://cdinternet.lmi.org/default.aspx]

From: Stephen Spadafora
To: Joan Smith
PIF Info: PIF #105.0 - CorrRinse
Subject: Product Sample Request Instructions
Attachments: No Attachments
Message:

Submission instructions (along with any attachments to this message):

Sample Requirements: 6 Qt samples.

Send Sample To: HAZMART 123 Fourth St. Kennedy Space Center Titusville, FL, 11111.
Phase III: Step 2 Product Screening

- Supplier Submits Samples for Agency Screening Tests
  - Limited Key Tests for Technology Area

- Agency Technical Reps Perform Screening Tests

- Agency SMEs Review Screening Results and Determines Continued Agency Interest

- Supplier Notified of Agency Determinations:
  - Product/Technology Did Not Meet Key Performance Criteria
  - Continued Agency Interest, Proceed to Lab Characterization
Phase III
Product Introduction
No Existing Specs or Expanded Application

Phase III - 5 Step Process

1) Product Definition
2) Product Initial Screening
3) Product Lab Characterization and Evaluation
4) Product Demonstration & Validation
5) Product Authorization / Implementation
Phase III: Step 3 Lab Characterization

• Supplier Submits Samples for Agency Lab Tests
  – All Performance Tests for Technology Area

• Supplier Submits additional Data on PIF

• Agency Technical Reps Perform Lab Evaluation Tests
  – In-house, via contractor lab or through another Agency

• Agency SMEs Review Lab Characterization Results and Determine Continued Agency Interest

• Supplier Notified of Agency Determinations:
  - Product/Technology Didn’t Meet Agency Performance Criteria
  - Continued Agency Interest, Proceed to Dem/Val
Add’l Data Request Example

<table>
<thead>
<tr>
<th>View Message</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>From:</strong> Stephen Spadafora</td>
</tr>
<tr>
<td><strong>To:</strong> Joan Smith</td>
</tr>
<tr>
<td><strong>PIF Info:</strong> PIF #105.0 - CorrRinse</td>
</tr>
<tr>
<td><strong>Subject:</strong> Additional Information Required</td>
</tr>
<tr>
<td><strong>Attachments:</strong> No Attachments</td>
</tr>
</tbody>
</table>
| **Message:** Additional information is needed on the Product Information Form (PIF):

Section 7: Relevant Federal, State, or Local laws, etc. (ex: National Emission Standards for Hazardous Air Pollutants)
Section 8: What are the Maintainability/Handling requirements for the use of this technology?
Section 9: Pricing Information for this product (if available)
Section 10: Describe current Market Applications and Users of this Product
Section 11: Additional References to facilitate product evaluation |
Phase III: Step 4 Product Dem/Val

- Supplier Submits Samples for Agency Dem/Val Tests
  - Product Demonstration on Operational Equipment

- Agency Technical Reps Perform Dem/Val Testing

- Agency SMEs Review Dem/Val Results and Determine Continued Agency Interest for Implementation

- Supplier Notified of Agency Determinations:
  - Product/Technology Didn’t Meet Operational Requirements
  - Continued Agency Interest, Proceed to Product Authorization & Implementation
Phase III: Step 5 Product Implementation

- Agency Determines Method for Specifying Product
  - MIL/Fed Spec, CID, PD, NGS, etc.

- Product/Technology Authorization
  - Authorization documentation (Engineering Design Change, Approval Letter, Technical Directive/Order,
    - Specific Application/Areas Authorized for Product Use

- Supply/Logistics for Product Determined
  - NSN’s, Order Quantity, etc.

- Where will the new Product/technology be used/implemented?
  - Aerospace, Ground Vehicle, Facilities, Ships, etc.
Qualification vs Authorization
Backup Slides
When it comes to my product, what is the Difference between Qualified and Authorized?
Qualified versus Authorized

• Generally, Qualification and Authorization are Two Different Processes

• Qualification is Legally binding on both Government & Industry and may only be a first step

• All products have to be authorized for use

• Authorization must be obtained on a specific basis if not previously granted

• Implementation path can vary widely based on the criticality, the associated risk factors and the Service/Agency specific requirements
### Qualification

- Meets Minimum Specified Requirements (QPL/QPD)
- Acceptable for where specification is approved for use in Tech Orders, Manuals, Drawings, etc.
- Does not insure/promise procurement (i.e., Must follow standard GSA, DLA, etc. procurement processes)
- Qualification does not automatically mean Product Authorization

### Authorization

- Approves Product’s use for a specific application
- Used for new products or different applications of existing products
- Steps to Authorization
  - Lab testing
  - Field prototype
  - Verification/Validation
  - Data analysis and use envelope definition
- Authorization letter, Local Process Spec, Tech Order or Manual, etc. Issued
From: Senior Official, Government  
To: Distribution  

Subj: Government Implementation Plan for Stuff, Type III Conforming to MIL-STD-XXXX  

Ref: (a) Government Implementation Plan for Your Product  
(b) Engineering Laboratory Report, “Performance Evaluation of Stuff,” LR04_00Z  
(c) Engineering Laboratory Report, “Field Testing and Validation of Stuff,” LR0Y_00X  
(d) Additional Reference Materials  

1. Reference (a) authorized the use of Stuff qualified to Federal Standard FED-STD-YYYY, for government applications.  

2. References (b) and (c) contain the results of laboratory and field testing by the applicable federal and military agencies.  

3. Based on this data, the government extends the authorization in reference (a) to the use and applications described above.  

4. The points of contact for this issue are Mr. Middle Manager, Department of Paperwork.
Generic Authorization/Implementation Requirements

• Implementation Path (generic example for Aerospace products)
  • Lab validation of product, process and performance

• Field validation of product, process and performance
  • In a relevant operational environment

• Implementation
  • Applicable Engineering Authority Sign-off
    • Ex: Materials, Structures, Subsystems, Systems, Aeromechanics, Depot
    • Program: Engineering/Logistics/Original Equipment Manufacturer
  • Create or Revise specs and other documentation (Local drawings/Tech orders/MIL/AMS/ . . .)
  • Revise Relevant Control Manuals
  • Supply, NSN, Order Quantities, etc.
General Implementation Requirements (cont’d) (Criticality of Application)

• Non-Critical Application Test Criteria
  • Lab validation per Spec and/or other agency-specific screening tests
  • Field validation: In-service on planned implementation platforms in representative operational conditions, multiple dem/val sites - same or better performance compared to controls

• Critical Application Test Criteria (Safety of Flight)
  • Lab Validation per Spec and/or other agency-specific screening tests
  • Lab Validation of critical application specific performance (Ex: Structural Fatigue, etc.)
  • Flight clearance depending on component/risk
  • Field Testing: Will be more stringent validation path than for non-critical applications: longer road, more expensive, more sensitive, more extensive