# Introduction to Corrosion Control and Coatings

Corrosion Policy and Oversight Office  
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## Annual Impact Corrosion on DoD Aerospace Assets

<table>
<thead>
<tr>
<th>Study Segment</th>
<th>Corrosion Cost Impact</th>
<th>Corrosion Availability Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Maint. Cost ($M)</td>
<td>Corrosion Cost ($M)</td>
</tr>
<tr>
<td>Air Force</td>
<td>24,051</td>
<td>5,669</td>
</tr>
<tr>
<td>Army</td>
<td>5,522</td>
<td>1,081</td>
</tr>
<tr>
<td>Navy and USMC</td>
<td>12,299</td>
<td>3,430</td>
</tr>
<tr>
<td>Total</td>
<td>41,872</td>
<td>10,180</td>
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</tbody>
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- Fiscal Year 2017 Data
- “NAD” = Non-Available Days
DoD Policy and Guidance Related to Corrosion Control

- Department of Defense Instruction 5000.02 (DoDI 5000.02)
- Defense Acquisition Guidebook (DAG)
- Department of Defense Instruction 5000.67 (DoDI 5000.67)
- Corrosion Prevention and Control Planning Guidebook for Military Systems and Equipment
- Department of Defense Directive 4151.18 (DoD Directive 4151.18)
- Whole Building Design Guide Corrosion Prevention and Control Source (www.wbdg.org)

Course Topics

- Corrosion Basics
- Fundamentals of Corrosion Control
- Surface Preparation for Coatings
- Coatings and Coating Types
- Coating Application and Safety
- Coating Defects and Inspection
Special thanks to SSPC – The Society for Protective Coatings for preparation of this training material.

Introductions

“Lavatory” = “Head”
# Schedule

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
</table>
| 8:00 – 9:15| Corrosion Basics  
Fundamentals of Corrosion Control |
| 9:15-9:30  | Head Call                                     |
| 9:30 – 10:45| Surface Preparation for Coatings  
Coatings and Coating Types |
| 10:45 – 11:00| Head Call                                     |
| 11:00 – 11:30| Coating Application and Safety  
Coating Defects and Inspection |