



Materials – Environmental Coatings & Corrosion Team

ENVIRONMENTAL MANAGEMENT FOR GROUND SYSTEMS

The M-ECC Team provides environmental support to ground vehicles and support systems from R&D through disposal.

ACQUISITION SUPPORT

Fully integrated Environmental Management program through IPT participation

DODI 5000.02 Environmental Requirements

- Programmatic Environment, Safety, and Occupational Health Evaluations (PESHE) development for MS B, MS C, and FRP
- Hazardous Materials Management & Reductions
- Environmental Risk Management - environmental hazard identification and tracking through risk acceptance

National Environmental Policy Act (NEPA) Compliance

- 32 CFR 651 *Environmental Analysis of Army Actions*
- Environmental Assessments
- Records of Environmental Consideration
- Environmental Statement/Conformance Certification for MR/TC

Environmental Input to acquisition documents such as PD, SOW, SEP, LCSP and Demil. & Disposal Plans

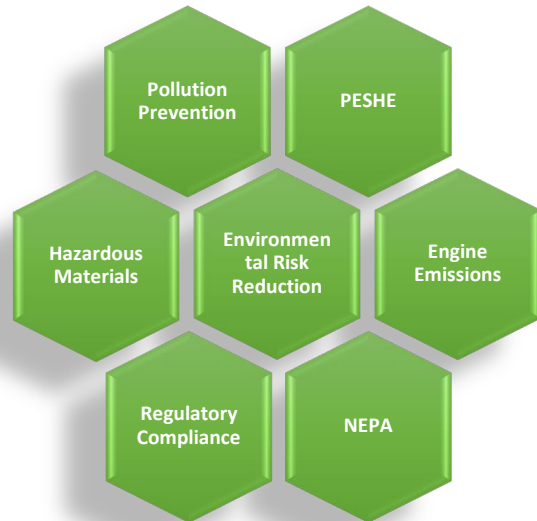
General Environmental Regulatory Guidance

- EPA Regulations
- Engine Emissions
- National Security Exemptions



Outdoor Exposure Testing of Cadmium-Free Electrical Connectors

CORE COMPETENCIES



R&D SUPPORT

Pollution Prevention Initiatives

- Elimination/Minimization of hazardous materials
- Engine Emission Requirements

Environmental section of Logistics Engineering Assessment Report (LEAR)

AMC Environmental Checklists for Ground Vehicle Systems Center Contracts

Environmental Regulatory Guidance

SUSTAINMENT SUPPORT

Environmental Regulatory Guidance:

- EPA regulations
- Engine Emission Requirements
- National Security Exemptions

Hazardous Materials elimination

- Alternatives for hazardous materials such as cadmium and hexavalent chromium
- Class I Ozone Depleting Substance Reviews/Certification

Environmental Review/Certification of Technical Manuals

Materials – Environmental Coatings & Corrosion Team

ACQUISITION SUPPORT

Complete corrosion and coatings technical support through IPT participation

DODI 5000.02 Corrosion Requirements

- Corrosion prevention and control (CPC) planning through SOW requirements
- CPC input to SEP and LCSP
- CPC design requirements in PD
- TEMP requirements to verify corrosion performance

Paint and Coatings Expertise

- CARC Paint product and process guidance
- Other surface finishing technologies guidance

ECP reviews for corrosion and coatings issues

Lead Corrosion Prevention Advisory Team (CPAT) throughout acquisition timeline

Corrosion and coatings policy guidance



Frame member affected by severe in-service corrosion



Specimen protected by cavity wax during corrosion testing

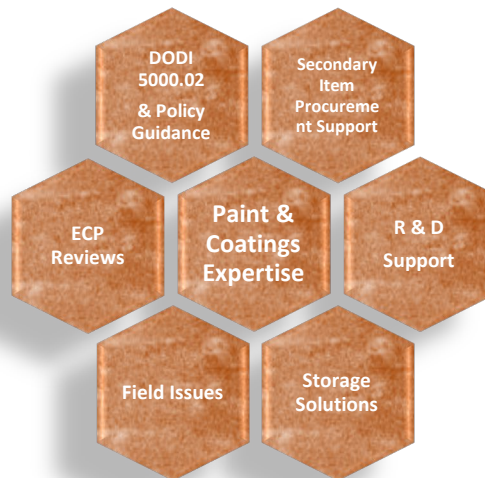
R&D SUPPORT

Corrosion requirements for Ground Vehicle Systems Center prototype programs

Alternative technologies and processes evaluation and adoption

Corrosion section of Logistics Engineering Assessment Report (LEAR)

CORE COMPETENCIES



SUSTAINMENT SUPPORT

Field Corrosion Issues

- Vehicle assessments and data collection
- Application of coatings & inhibitors
- ECP reviews
- Cleaning procedures

Storage Solutions

- Dehumidification
- Covers

Secondary Item Procurements

- Coatings and corrosion technical guidance
- Identification of alternatives for obsolete specifications

Mold/Mildew Issues – Mitigation Solutions

FOR FURTHER INFORMATION:

U.S. ARMY COMBAT CAPABILITIES DEVELOPMENT
COMMAND — GROUND VEHICLE SYSTEMS CENTER:
<http://www.usarmygpsc.com/>

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