

International Maintenance Review Board Policy Board (IMRBPB)

Issue Paper (IP)

IP Number: CIP IND 2021-03

Initial Date (DD/MMM/YYYY): 19/OCT/2021

Revision / Date (DD/MMM/YYYY): 20/APR/2022

Effective Date (DD/MMM/YYYY):

Retroactivity (Y/N): N

Title:	Integration of the basic CPCP steps	Applies To:	
		MSG-3 Vol 1	X
Submitter:	MPIG SWG	MSG-3 Vol 2	
		IMPS	

Issue:

EASA AMC-20 Amendment 20 defines how the basic CPCP task should be described in detail:

EASA AMC 20 Amendment 20, Appendix 4 to AMC 20-20A — Guidelines for the development of a corrosion prevention control programme

“3.2. Baseline CPCP documentation

(...)

3.2.11. Application of the basic task

This section should describe in detail the basic task. It should provide procedures describing how to accomplish the following actions:

- (a) Removal of all systems equipment and interior furnishings to allow access to the area.*
- (b) Cleaning of the area as required.*
- (c) Visual inspection of all task areas and zones listed in the baseline CPCP.*
- (d) Removal of all corrosion, damage evaluation, and repair of structure as necessary.*
- (e) Unblocking holes and gaps that may hinder drainage.*
- (f) Application of corrosion protective compounds.*
- (g) Reinstallation of dry insulation blankets, if applicable.”*

Similar guidance have been published in FAA Order 8300.12.

Problem:

EASA AMC-20 Amendment 20 provides detailed instructions on how to develop a CPCP and how detailed CPCP tasks should be described. The AMC notes that the Baseline CPCP may be developed as part of the ICA established by the MRB (ISC) using existing MSG-3 procedures. The current ATA MSG-3 rev 2018 gives instructions on how to develop a CPCP, but no guidance how detailed the CPCP inspection task written in the requirements should be described in the task procedure.

The existing text should be updated to reflect the details for CPCP tasks as described in the EASA AMC 20-20a.

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Recommendation (including Implementation):

To ensure that the CPCP tasks defined according to MSG-3 logic have the required level of detail, the basic CPCP steps from the AMC added to ATA MSG-3:

- Revise Chapter 2. § 2-1-2.

3. Method for Scheduled Maintenance Development

(...)

As part of the Scheduled maintenance development procedures, maintenance requirements will only be selected if they meet the applicability and effectiveness criteria as defined in this document. The ISC will define the information to be presented to the working group to support their task selection decision and to provide traceability of task requirements in the development of the supporting ICA. This information (e.g. task purpose, accesses, tools/GSE, main steps of the procedure, [basic CPCP task steps](#), estimated elapsed time/labor hour, pass/fail criteria ...) will be recorded in the MSG-3 analysis or referenced supporting documentation for tracking purposes.

- Revise Chapter 2. § 2-4-2.

5. Corrosion Prevention and Control Programs (CPCP)

A Corrosion Prevention and Control Program should be established to maintain the aircraft's resistance to corrosion as a result of systematic (e.g. age related) deterioration through chemical and/or environmental interaction. This Program applies to damage tolerant and safe-life structures.

The program is expected to allow control of the corrosion on the aircraft to Corrosion Level 1 or better. The CPCP should be based on the ED analysis, assuming an aircraft operated in a typical environment. If corrosion is found to exceed Level 1 at any inspection time, the corrosion control program for the affected area must be reviewed by the operator with the objective to ensure Corrosion Level 1 or better.

Special care should be taken to ensure that tasks which cover CPCP requirements are properly identified in the MRB Report, including those transferred or consolidated in a different section than the Structure Section.

[The basic CPCP task steps are the following:](#)

- [a\) Removal of systems equipment or interior furnishings in order to allow sufficient access to the area to perform the inspection.](#)
- [b\) Cleaning of the area as required.](#)
- [c\) Visual inspection of all task areas and zones listed in the baseline CPCP.](#)
- [d\) Removal of all corrosion, damage evaluation, and repair of structure as necessary.](#)
- [e\) Unblocking holes and gaps that may hinder drainage.](#)
- [f\) Application of corrosion inhibitor compounds.](#)
- [g\) Reinstallation of dry insulation blankets, if applicable.](#)

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IMRBPB Position:	
Date:	
Position:	
Recommendation for Implementation:	

Status of the Issue Paper:	<input type="checkbox"/>	Active
	<input type="checkbox"/>	Incorporated in MSG-3 / IMPS (with details)
	<input type="checkbox"/>	Archived