



Issue Paper (IP)

IP Number: CIP IND 2018-03 (V1,2)

Initial Date: 29/NOV/2019

Revision / Date: R 02 / 15/MAR/2024

Effective Date (DD/MMM/YYYY):

Retroactivity (Y/N): N

Title:	“Other Structure” procedure update
Submitter:	MPIG & RMPIG

Applies To:	
MSG-3 Vol 1	X
MSG-3 Vol 2	X
IMPS	

Issue:

Inspection requirements for most of the items categorized as Other Structure (P4) can be satisfied by the Zonal program (Ref. [Section 2-5]).

However, if the zone contains Other Structure but the access does not allow for a GVI, the zonal WG has to advise the Structure WG that any need to inspect the Other Structure must be covered by a task in the structures section. (Ref. [Section 2-5-1. Procedure, D NOTE])

The consequence of IP 196 has not been reflected in the Structure MSG-3 Logic Diagram and related Procedure.

Problem:

Current Structure MSG-3 Logic Diagram and related Procedure written in the structure section is not up-to-date and not in compliance with the existing methodology in Structures and Zonal programs. It does not reflect that the ZONAL WG has to advise the Structure WG that any need to inspect the Other Structure must be assessed by the STR WG and covered by a task in the structures section if needed.

Recommendation (including Implementation):

Revise Figure 2-4-4.1.:

Note: The first Logic Diagram shows the proposed changes in the actual Structure MSG-3 Logic Diagram to explain and identify the proposed changes. The second diagram shows the changes in a revised logic diagram.



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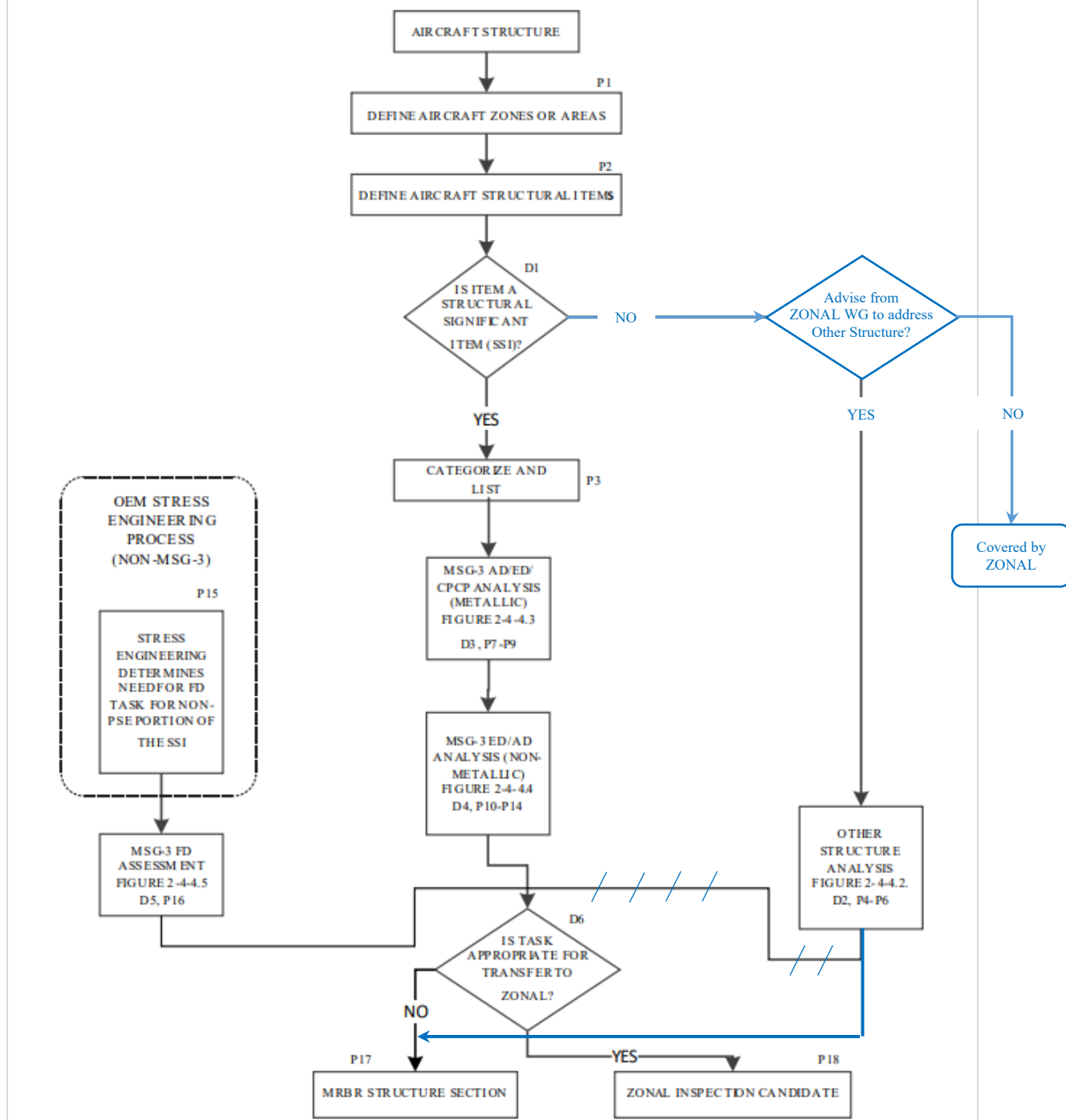
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1st Logic Diagram:

Figure 2-4-4.1. Structure MSG-3 Logic Diagram





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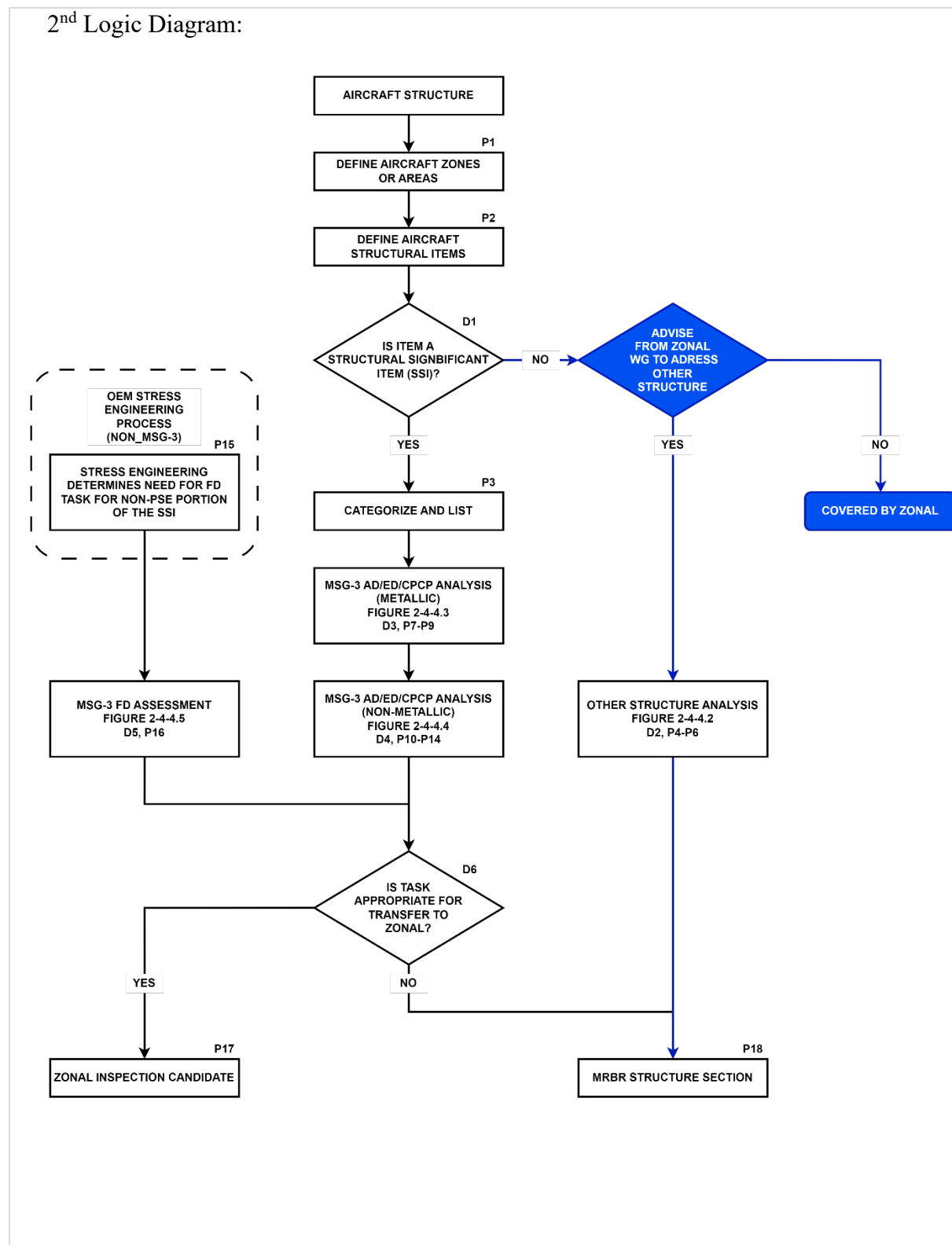
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2nd Logic Diagram:





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Revise 2-4-4.1 Procedure

From:

(...)

~~e. Items categorized as Other Structure (P4) are compared to similar items on existing aircraft (D2). Maintenance recommendations are developed by the Structures Working Group (SWG) for items which are similar and by the manufacturer for those which are not, e. g., new materials or design concepts (P5). All tasks selected by the SWG (P6) are evaluated for zonal transfer (D6) and will either become zonal inspection candidate (P17) or will be included in the scheduled structural maintenance (P18).~~

To

e. The inspection requirements for items categorised as Other Structure are generally satisfied by the zonal tasks resulting from the zonal analysis procedure. If requested by the ZONAL WG [refer to Section 2-5-1. Procedure, NOTE], the Structure Working Group (SWG) analyse the Other Structure (Figure 2-4-4.2).

Items categorized as Other Structure (P4) are compared to similar items on existing aircraft (D2). Inspection requirements are developed by the SWG for items which are similar and by the manufacturer for those which are not, e. g., new materials or design concepts (P5).

All tasks selected by the SWG (P6) will be included in the scheduled structural maintenance (P17).

NOTE: The original CIP proposal was submitted by Bell and Airbus Canada.

IMRBPB Position:

Date:

Position:

Recommendation for Implementation:

Status of the Issue Paper:

X	Active
X	Incorporated in MSG-3 / IMPS (with details)
X	Archived