



Issue Paper (IP)

IP Number: 216

Initial Date (DD/MMM/YYYY): 17/May/2024

Revision - Date (DD/MMM/YYYY): Rev. 0 / 17/May/2024

Effective Date (DD/MMM/YYYY): 16/Jul/2024

Retroactivity (Y/N): N

<b>Title:</b>	Clarifying the definition of Lubrication and Servicing
<b>Submitter:</b>	MPIG

<b>Applies To:</b>	
MSG-3 Vol 1	X
MSG-3 Vol 2	X
IMPS	

**Issue:**  
 The current definition of Lubrication and Servicing in MSG-3 document is either incomplete or ambiguous, thus needs clarification.

**Problem:**  
 In MSG-3 document, Appendix A. Glossary, Lubrication & Servicing is defined as follows (Visual check and Discard are listed for reference):

<b>Lubrication and Servicing</b>	Any act of lubricating or servicing for the purpose of maintaining inherent design capabilities.
<b>Visual Check</b>	A visual check is an observation to determine that an item is in its intended state. Does not require quantitative tolerances. This is a failure finding task with obvious pass/fail criteria.
<b>Discard</b>	The removal from service of an item at a specified life limit.

The problem is: the first half of definition is simply repeating the terms and the second half doesn't target to the terms themselves (other task types like FNC may also "for the purpose of maintaining inherent design capabilities"). So, the definition is not precise enough, thus engineers may have different understanding and generate different task types for the same/similar failure causes. Here below are some examples collected from the industry.

SVC vs. VCK

Task Type	Interval	Task Description
SVC	400FH	IDG oil system servicing (replenish as required)
SVC	700FH	CHECK OIL LEVEL OF VARIABLE FREQUENCY GENERATOR (VFG) AND ADD OIL AS REQUIRED
VCK	700FC	VISUAL CHECK OF SHIMMY DAMPER OIL GAUGE
VCK	14DY	VISUAL CHECK OF PASSENGER/CREW ENTRY DOORS EMERGENCY OPERATION CYLINDER GAS PRESSURE GAUGE TO VERIFY IT IS IN NORMAL RANGE



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SVC vs. DIS

Task Type	Interval	Task Description
SVC	6000FC	Replace nose landing gear oil
SVC	4000FC	SERVICING OF MAIN LANDING GEAR SHOCK STRUT(REPLACE HYDRAULIC OIL)
DIS	800FH	Replace the oil in IDG oil system
DIS	1500FH	DISCARD VARIABLE FREQUENCY GENERATOR (VFG) LUBRICATION OIL

In addition to the above confusions, some engineers believe that lubrication is a type of servicing work.

**Recommendation (including Implementation):**

Define the lubrication and servicing independently and precisely. Here below are the suggestions:

Lubrication <del>and Servicing</del>	<del>Any act of lubricating or servicing for the purpose of maintaining inherent design capabilities.</del> The process of applying a lubricant directly to an item.
Servicing	Any work such as draining/replenishing/replacing of consumables.

The above suggestions are trying to achieve the following goals:

1. The lubrication should be clearly separated from servicing.
2. For task type pair “SVC vs. VCK” examples discussed above, tasks that determine the need for replenishment prior to the actual act of replenishment should not be considered as SVC, but VCK.
3. For task type pair “SVC vs. DIS” examples discussed above, tasks that replace the consumables(such as lubricating oil, hydraulic oil) are recommended to select SVC task type instead of DIS.



# International MRB Policy Board

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<b>IMRBPB Position:</b>	
<b>Date:</b>	17 May 2024
<b>Position:</b>	Agreed, closed in 2024 meeting as IP 216
<b>Recommendation for Implementation:</b>	As per effective date

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