

CLOUD APPLICATION DEVELOPMENT

Submit your Maintenance Action Forms Online (O-MAF)



Initiate online

Share with Maintenance Control

Write discrepancies online even if you are away.

Controllers will have access to your MAFs 24/7.

Agenda

- Situation
- 2 Solution
- Feature
- Process
- Step by Step Workflow
- **6** Conclusion



- Online Maintenance Action Form (O-MAF) for aviation maintenance.
- Issues in the aviation field
 - Computer-based software
 - Optimized Organizational Maintenance Activity (OOMA)
- The problem is whenever the system is down, we are forced to use a paper copy of all our MAF.
- There are just too many things to update while the maintenance actions are open and being worked on.
 - Ordering parts
 - Personnel going In-Work
 - Completing the job
- After the system comes back online, we have to contingency all the Green MAF and type all the open and closed MAFs to OOMA.
- These processes are too time consuming for the workers and for the controllers.



2 Solution



OOMA O-MAF Green MAF

- Create an online MAF system (Sharepoint)
 - Mimic the functions of OOMA. Light version.
 - Eliminate time wasted on the following process:
 - Writing MAF on paper form (Green MAF)
 - Managing Green MAFs (Job Status)
 - M3 Awaiting Maintenance
 - IW In Work
 - WP Awaiting Parts
 - JC Job Complete
 - Updating real time status of maintenance by manually writing on the Green MAF
 - Ordering parts on Green MAF or Hard Copies



3 Features



OOMA O-MAF Green MAF

- Initiate maintenance
- Order parts
- In Work
- In Process
- Update Job Status must be filtered for management (M3, IW, WP, JC)
- Complete maintenance
 - PN/SN removed/installed
 - Completed time
- Sign authority
 - Initiator
 - Worker
 - CDI always required
 - QA if required
 - MC always required
 - MDS always required



4 Process



OOMA O-MAF Green MAF

- Daily back up copies of the data.
 - CSV file downloaded from OOMA
 - After every shift
- Input
 - Purged data on O-MAF
 - Upload data to O-MAF
- Sorting/Filtering
 - Sort OPEN MAF by JCN column
 - Sort OPEN MAF by MCN column
 - Sort OPEN MAF by Shop
 - Sort OPEN MAF by Aircraft
 - Filter Job Status column
- Complete and Close MAF.
 - Authorized signer by qualifications

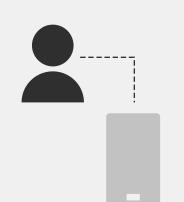


- Output
 - Select an MCN
 - Transfer data to a Digit
 - Open MAF
 - Closed MAF
 - Parts ordered
 - In Process
- System is back online
 - Upload data to OOMA
 - Transfer data to OOMA
 - Digitally copy and past

IF 1650.0] York Center Register, Control Mr. Processing Copy To DRAMAR BROWN FROM AND MARKET PHYSICAL														BITREE REQUIRED BIGHATUR						
VIDBAV	IAF	08414	7166 //	P. 103	3HP P	H-E-														
21113					Ι.				OTED WOR	kPCDRS			١.		THE	eren ew	HICO	R		
													Ì							
					\dashv									\neg		\neg				
					-								⊢	\rightarrow		-		<u> </u>		
													ᆫ	\rightarrow						
*****					┑									\neg		\neg				
					\dashv								\vdash	\rightarrow		-				
													\vdash	\rightarrow		-				
													_							
7 0										34			43	4		41				
HE+3 HF	447 4	<u>, , , , , , , , , , , , , , , , , , , </u>	PH	3 .						+ 17410	<u> </u>	******	P P P P	Delth	OP40		но	MI H		
- 1	1 1	1 1			ı						1	1	ı	ı		l		i .		
	1 1	1 1			ı						1	1	ı	ı		ı		ı		
- 1	1 1	1 1			ı						1	1	ı	ı		ı		i .		
	1 1	1 1			ı						ı	1	ı	ı		ı		ı		
- 1	1 1	1 1			ı				- 1		ı	1	1	ı		ı		i		
- 1	1 1	1 1			ı						ı	1	ı	ı		ı		ı		
- 1	1 I	1 1			I						1	1	1	I		I		i .		
- 1	1 1	1 1			ı						ı	1	ı	ı		ı		ı		
- 1	1 1	1 1			ı						ı	1	ı	ı		ı		ı		
- 1	1 1	1 1			ı						ı	1	ı	ı		ı		ı		
- 1	1 1	1 1			ı						ı	1	ı	ı		ı		ı		
- 1	1 1	1 1			ı						ı	1	ı	ı		ı		ı		
- 1	1 1	1 1			ı						1	1	ı	ı		ı		i .		
					·							-			THE	DENTE	77 7 7			
		Le	Le .	L.	ш.	Lu.	سا	L.		1			HER	l exer		(* * 'F	LD IE	î i		
					F	:				ILPURE-	. 6	<u>.</u>			•	h		}}		
			1	1	ı	1	1				1 F	П		ı		1 1		1 I		
		ac+										ᆜ				\perp		ш		
				 -						u=		1 -	ır			:_	••			
AYNE	1		1	1	ı									ì						
~!#=					Ц															
		ARCYCLE	-		- 11				CLUTTE		- 1		- 1			NEWT				
	D# F	18-7	TF.	HEE.		640	P ISHIM	I M. H	**************************************	F CTELF3	- 1			LECH]	3H FH	M C10	ю			
		P.7	P		- 11						- 1									
CHRIC											- 1									
	101	E-3	100	_	Π!						- 1									
14004	I	1	- 1		Ш						- 1									
	13	1 111	\neg		_						- 1									
9411140	I	1	- 1		ll l						- 1									
	ON BUILDING	MAINLEN	Marine		Ш						- 1									
						DINHE														
	۳° ۲	` ' '	'i ••	`	1 1															
			-1-	<u></u>																
MAIN1	BIANC	BBU PPL	TRE		' II															
100 7 # 101 13	64 F	183		+000	⊣ I															
	Γ"	I - '	 	•	ll l															
		-	-		$\dashv \vdash$										7101	** ** **		_		
	Γ_	1 -	150	-																
13	-	63	-	_	$\dashv \bowtie$	RECTA	FACTO	*												
"	E-	P#			7															
,		707	- 10	_	71															
			L																	
14	C-S	201	-	1	71															
																_				
		- I	_		7											ſ				
			\perp		╝											\dashv				
3	4	D 3	- 1		٦l											ı		-		
			L			BERRIE	•		BEFFE FE	п	P	L. J. L.	an.		PAI	20775				
		_							l		- 1				1					
JOB C	ONTRO		A -'						1											
JOB C			r. I		"]⊢		150 600	עייו	TO SHEET	тен	-	T HAI	HITTH			DCH				
JOB C	ONTRO		R ~		``}⊢	$\overline{}$	55.69	773	Т	тен н	-	T HAVE	нтен		_	PEH				
JOB C:			r. I		_		NO.	773	СФИНКА	DOSH		TITLE	нзвн			жн				



5 Step by Step Workflow



OOMA O-MAF Green MAF

1 Initiate MAF

- 2 MAF gets approved
- Go InWork on the job. Your progress will be monitored by Maintenance Control.

- 4 Order Parts if needed
- 5 Wait for parts
- 6 Go back InWork

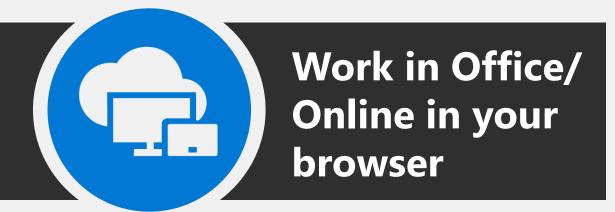
- 7 Put in your InProcess
- 8 Complete the Job
- 9 Sign Off the MAF

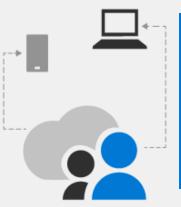
- 10 MC approves the MAF
- 11 Contingency MAF
- 12 Admin verify the MAF

- Must complete tasks
- Optional Process

6 Conclusion

- Using O-MAF will enable the controllers to effectively manage all MAFs and set priorities. Efficiency will be increased by 67% based on previous studies done by Certified Lean Six Sigma Green Belt.
- Future concept will enable controllers to automatically upload all data from O-MAF to OOMA if permitted by the Navy system administrators.

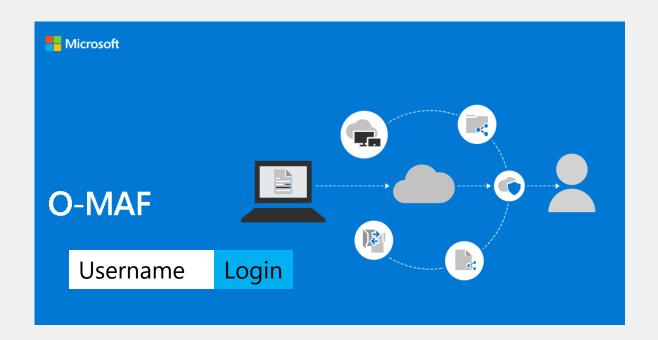




OOMA O-MAF Green MAF

Sign in to www.o-maf.com

2 Initiate, order parts, and sign off MAFs online.
Monitored 24/7 by your Maintenance Controller.



QUESTIONS?

Modify This

- Change data to ensure we are keeping security issues.
 - Buno. Maybe just use the Modex.
 - Up Down Status. Use codes.