



## **PENTAGON 2000 SOFTWARE**

# Aircraft Record Keeping: Managing Scopes

Pentagon 2000 Software 15 West 34<sup>th</sup> Street 5<sup>th</sup> Floor New York, NY 10001 Phone 212.629.7521 • Fax 212.629.7513



TITLE:	Aircraft Record Keeping: Managing Scopes					
Part:	Quality					
MODULE:	Aircraft Record Keeping Module	BUILD	9.0.1.48			
<b>RESPONSIBILITY:</b>	Procedures Specialist, Pentagon 2000	REVISION:	00			
APPROVED BY:	Vice President, Operations, Pentagon 2000	EFFECTIVE DATE:	11/24/2014			

## Purpose

The Pentagon 2000 Aircraft Record Keeping Module enables the use of scopes to track when scheduled maintenance is to be performed on an aircraft (or one of its components), to provide relevant information to the user performing the maintenance and to provide documentation that the maintenance has been completed.

**NOTE:** If your organization is using the Aircraft Standard Configuration Module, some of the instructions in this manual will be superseded by instructions contained within the Aircraft Standard Configuration Module manual. Each section within this manual which is affected by the utilization of the Aircraft Standard Configuration Module will contain a note in the header description for the section.

## Overview

This procedure outlines the steps for:

- Linking scopes
- Basic scope setup
- Updating scopes

# **Required Modules/Features**

- Pentagon 2000 Core
- Aircraft Record Keeping
- Imaging-XL (for some functionality)



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	LINKING SCOPES METHODOLOGY



## Procedure

## 1. Linking Scopes Methodology

When creating scopes, it is important to understand not only the requirements of the scope but how it is linked in the system to ensure that regulatory requirements are being complied with and that documentation is performed in the most efficient way possible.

**NOTE:** The methodology outlined within this section is applicable to aircraft to which the Aircraft Standard Configuration Module is enabled; however, the procedure in which the methodology is applied will be different.

## **Scope Classification**

<u>Aircraft scopes</u> are linked directly to the aircraft and are managed within the aircraft file (when not utilizing the Aircraft Standard Configuration Module).

Scopes linked to components of the aircraft may be managed in two ways: (1) standard scopes or (2) component by component within the aircraft file.

<u>Standard scopes</u> are managed within the parts master. When a part is installed on the aircraft, the standard scopes will be copied (and be applicable) to the installed part on the aircraft (regardless of whether the part is installed as an engine/assembly, engine/assembly component, unit, required equipment item, MEL item, APU or APU component). Best practice is to maintain standard scopes for each part number within the parts master to the greatest extent possible in order to obtain the highest level of uniformity and efficiency.

<u>General component scopes</u> are managed within the aircraft file and should only be used when there are circumstances where the use of standard scopes is not most efficient. For example, scopes that apply only to a particular serial number or scopes that apply to the part only when installed on particular aircraft (note that the Aircraft Standard Configuration Module resolves a majority of these scenarios).

## Determining the Level at which to Link the Scope

It is also important to note that there should be considerable thought given to the level at which a scope is linked on the aircraft.

Two considerations should be made: (1) where the history of performing the scope should be maintained and (2) what causes the scope to become due.

Historical record of the performance of the scope is important for a number of reasons, particularly in the case of quality audits. While the history will be tracked within the system regardless of the link created, it may be more difficult to report depending on the way scopes are linked.



FOR EXAMPLE: If the requirement exists to inspect a component installed on all aircraft model 'XYZ' every 100 flight hours (regardless of the part number or serial number component installed) and that inspection originated from the aircraft manufacturer or regulatory agency, then it is more important to track history against the aircraft than it is to track the history against the widget.

However, if a requirement exists to inspect all components with part number '1234' (regardless of the aircraft on which it is installed), then it is more important to track history against the component than it is to track the history against the aircraft.

Also vital to ensuring that scopes that are based upon operation (those based upon the number of hours/landings/starts/etc. regardless of the time period from installation) are tracked properly (and identified to be performed within the proper timeframe) is linking those scopes to the item that accurately tracks the operation.

FOR EXAMPLE: If a scope is based upon component cycles, then the scope should be linked to the component.

However, if a scope is based upon aircraft hours (particularly if the component hours do not always equal aircraft hours, i.e. engines), then the scope should be linked to the aircraft.

It may not be clear in every situation (particularly those with complex inspection due requirements) of where to link scopes, but it is important to consider the options.



## 2. Aircraft Scope

An aircraft scope may be created and linked to an aircraft within the aircraft file.

a. From the aircraft file, left-click the **Edit** button on the window toolbar and left-click the **Scopes** tab.

[ [Editing]	Aircraft : [B100] Bell 206 F	Rescue Helicopter						
Add	Edit Del Pre	Next Rtm/Rmv Options Se	ttings <u>S</u> earch	Cancel OK C	lose			
Aircraft ID	B100	Aircraft Model : 757-E	757	E-200 /	Fixed Wing			
Airframe Ser	ial : 300001	Description : Bell 206 F	Rescue Helicopter					
Airframe 0	wner Receive Operatio	ons Leased To Operator Engines//	Assembly Units	Req List MEL APU	Scopes	Charges Extended	Info Crew Image	Deferred Cards
Update	Add Edit	Delete Copy						
Scope No.	Scope Code	Description	Zone	Last Done	Next Due	Estimated Due Date	Or	Or Estimated Due
001	1004	100 HOUR INSPECTION		12/01/2011 16:38:11	Due In 60.00	12/09/2013	Due at 09/26/2012	09/26/2012
002	COR	CORROSION INSPECTION/PACKAGE		01/01/2002 00:00:00	Due In 25.00	12/22/2013	Due In 9,144.35 Ha	05/26/2021
003	BL	BLADES INSPECTION		01/01/2012 14:35:08	Due In 966.0	09/06/2014	Due In 769.93 Day	12/30/2015
004	A	"A" Check		02/02/2012 01:12:31	Due In 379.0	03/14/2014	Due at 02/28/2013	02/28/2013
005	В	"B" Check		12/01/2010 14:40:01	Due In 1,857	06/01/2015	Due In 8.94 Days -	11/29/2013
006	С	"C" CHECK		05/01/2008 00:00:00	Due In 4,568	08/22/2017	Due at 04/30/2012	04/30/2012
007	D	"D" CHECK		01/01/2010 12:34:36	Due In 9,649	10/24/2021	Due In 404.33 Day	12/30/2014
008	AV	STC Installation			Due In 1,000	09/17/2014	0.00	
009	IN	Interior		02/28/2010 00:00:00	N/A	N/A	N/A	N/A
010	IN	Trouble Tickets Scope		03/31/2010 00:00:00	Due In 3.00	11/24/2013	0.00	
011	В	Template scope		09/01/2012 14:33:37	Due In 184.0	01/15/2014	0.00	
012	DI	Misc - Drop in - None Routine		02/13/2012 13:10:31	Due In 379.0	03/14/2014	0.00	
013	R100	Engine Inspection		01/01/2010 00:00:00	Due at 01/0	01/01/2012	0.00	
014	M100	Engine Modification		01/01/2010 00:00:00	Due at 01/0	01/01/2013	0.00	
015	R100	Engine Removal	1A		0.00		0.00	
016	SB	SB1- 53000/649 Update			Due In 132.3	12/30/2013	0.00	
017	AD	AD 500-5378 Recurring Update		10/01/2010 00:00:00	Due In 458.0	06/16/2015	Due In 783.00 Hou	07/13/2014 🗸
4						·		۱.

- b. Left-click the Add button on the Scopes tab toolbar
- c. Continue to the *Scope Setup* section of this procedure to complete creation of the scope and link to the aircraft.



#### 3. Standard Scopes

Standard scopes are linked to the part number in the parts master. When a part is installed on the aircraft, the standard scopes will be copied (and be applicable) to the installed part on the aircraft (regardless of whether the part is installed as an engine/assembly, engine/assembly component, unit, required equipment item, MEL item, APU or APU component).

a. From the Partnumber window, left-click the Time Control tab

Turne	Factors/For	mulas	
Shelf Life :	© Aircraft S	copes	
Sales Warranty :		OR	
OH/Repair Warranty :	Tolerance	OR	Tolerance
Inspection Every :		OR	
Overhaul Every :		OR	
Retirement/HardTime :		OR	
Test/Maint Every:		OR	
Retirement/HardTime On Condition : 🔲			
Jse Standard Scopes : 🔲			
Weight & Balance			
) (sight : 0 * Arm :	0 * Moment :	W/O Disposition :	

- b. Left-click the Aircraft Scopes button.
- c. The Scopes for Partnumber window will appear.



- d. Left-click the Add button on the Scopes for Partnumber window toolbar.
- e. Continue to the *Scope Setup* section of this procedure to complete creation of the scope and link to the part master.



## 4. Engine/Assembly Scope

A general component scope may be created and linked to an engine/assembly within the aircraft file.

a. From the aircraft file, left-click the **Engines/Assembly** tab.

Aircraft : [B100] Bell 2	206 Rescue Helicopter							
Add Edit	A the second sec	J X Options Settings	Search Cancel	OK	- C <u>i</u> ose			
Aircraft ID : B100 Airframe Serial : 300001	▲ *	rcraft Model : 757-E Description : Bell 206 Rescue	757-E-200 Helicopter		/ Fixed Wing			
Airframe Owner Rece	ive Operations Leased To	Operator Engines/Assembly	Units Reg List	MEL A	APU Scopes C	harges Extende	d Info Crew Image	Deferred Cards
Engine/Assembly No.	Part Number	Description			Kind	S/N	Zone	ATA
1	PT6T-3	TURBOSHAFT ENGINE			Engine	346554	7A	72
6	PT6T-3	TURBOSHAFT ENGINE			Engine	633254	7B	72

- b. Double-click the engine/assembly for which a general component scope should be created.
- c. The **Engine/Assembly** window will appear. Left-click the **Edit** button on the window toolbar and left-click the **Scopes** tab.

🗾 [Update] [	ingine/Assem	ibly							23
Edit Op	tions Print	S <u>e</u> ttings <u>C</u> an	cel O <u>K</u>	Close					
Eng/Asm	No. 1	Type : St	andard Cycles	- Corr	ATA : 72 ····	ENGINE			
Descripti	on: TUBBOS	HAFT ENGINE		Ser	Kind: Engine				
MN				- 6	Card				
Current T/C	Unit Installati	on Info Airframe	Installation Info	Weight/E	alance/Other Scope	s Engine/Assembly Co	mponents		
Update	Add	Edit	Delete	Сору					
Scope No.	Scope Code	Description		Zone	Last Done	Next Due	OR	Estimated Due Date	Or Estimated Due Dat
001	100-l	100 HOURS INS	PECTION		06/01/2010 15:49:44				
002		Major OH			02/02/2010 17:19:10				
003	SB	SB Update - Gea	r Box	9A	02/01/2010 00:00:00				
004		Low Pressure Cor	mpressor Inspecti						

- d. Left-click the Add button on the Scopes tab toolbar
- e. Continue to the *Scope Setup* section of this procedure to complete creation of the scope and link to the engine/assembly.



## 5. Engine/Assembly Component Scope

A general component scope may be created and linked to an engine/assembly component within the aircraft file.

a. From the aircraft file, left-click the **Engines/Assembly** tab.

Aircraft : [B100] Bell 2	06 Rescue Helicopter						- 23
Add Edit I	Sel Prev Next Rtrr	J X Coptions Settings	Search Cancel	OK Close			
Aircraft ID : B100	🕒 Air	craft Model : 757-E	757-E-200	/ Fixed Wing			
Airframe Serial : 300001		Description : Bell 206 Rescue H	lelicopter				
Airframe Owner Rece	ive Operations Leased To	Operator Engines/Assembly	Units Req List	MEL APU Scopes	Charges Extende	d Info Crew Image	Deferred Cards
Engine/Assembly No.	Part Number	Description		Kind	S/N	Zone	ATA
1		TURBOSHAFT ENGINE		Engine	346554		
6	PT6T-3	TURBOSHAFT ENGINE		Engine	633254	7B	72

- b. Double-click the engine/assembly on which the component is installed.
- c. The Engine/Assembly window will appear. Left-click the Engine/Assembly Components tab.

🗾 Engine/Assem	ıbly					23
<u>Edit</u> Option	s <u>Print</u> S <u>ettings</u> Cancel O <u>K</u> C	ose				
Eng/Asm No.	1 Type : Standard Cycles	ATA : 72 ENGINE				
🕒 P/N :	PT6T-3	Serial No. : 346554				
Description :	TURBOSHAFT ENGINE	Kind : Engine				
🕒 MNT :		🕞 Card :				
Current T/C Un	it Installation Info   Airframe Installation Info	Veight/Balance/Other Scopes Engine/As	ssembly Components			
Unit No.	Part Number	Description	Card No.	S/N	Zone	
10	3041255	COMPRESSOR HUB				
11	3018312	2ND STAGE COMPRESOR DISK				
12	3040312	2ND STAGE COMPRESSOR DISK				
13	3017713	3RD STAGE COMPRESSOR DISK			72	
14	3040213	3RD STAGE COMPRESSOR DISK			72	
15	3016761	IMPELLER				≡
10	1011110	INDELLED.				

d. Double-click the engine/assembly component for which a general component scope should be created.



e. The **Engine/Assembly Component** window will appear. Left-click the **Edit** button on the window toolbar and left-click the **Scopes** tab.

[ [Update]	Engine/Assem	bly Component						23
Edit Op	tions Print	Settings Cancel	<u>ок</u>	Close				
Comp	No. 10	Type :			ATA :			
🕒 🕒 P	7N : 3041255			Seri	al No. :			
Descript	ion : COMPRE	SSOR HUB						
E MI	NT :			- E C	ard :			
Current T/C	Unit Installatio	on Info Airframe/Enc	ine Installatio	n Info 🗌 W	/eight/Balance/Other	Scopes		
Canone 170				-				
Update	Add	Edit	Delete	Сору				
Scope No.	Scope Code	Description		Zone	Last Done	Next Due	OR	Estimated D
001		GREASE COMPONE	NT		01/01/2003 00:00:00			

- f. Left-click the Add button on the Scopes tab toolbar
- g. Continue to the *Scope Setup* section of this procedure to complete creation of the scope and link to the engine/assembly component.



## 6. Unit Scope

A general component scope may be created and linked to a unit within the aircraft file.

a. From the aircraft file, left-click the **Units** tab.

Sell 206 R	escue Helicopter			- ×	
Add Edit Del	Prev Next Rtrn/Rmv Op	tions Settings Search Cancel OK Close			
Aircraft ID : B100	Aircraft Model :	757-E 757-E-200 / Fixed V	/ing		
Airframe Serial : 300001	Airframe Serial : 300001 Bell 206 Rescue Helicopter				
Airframe Owner Receive	Operations Leased To Operator	Engines/Assembly Units Req List MEL APU Sco	oes Charges Extended I	nfo Crew Image Deferred Cards	
Unit No.	Part Number	Description	S/N Zone	ATA	
11	00-200-1472	FILTER		35	
12	00-200-1472	FILTER	9A	35	
13	206-040-535-101	MAST	55667646 7E	62	
20	206-040-535-005	MAST	7766767676 7E	62	
21	206-040-535-101	MAST	55667646 7E	62	
27	66-CM500	Camera Guro	87765 94	31	

- b. Double-click the unit for which a general component scope should be created.
- c. The **Unit** window will appear. Left-click the **Edit** button on the window toolbar and left-click the **Scopes** tab.

💽 [Update] Unit						23
Edit Options	Print Sgttings Cancel OK	Close				
Unit No. : 13	040-535-101		ATA : 62	ROTORS		
Description : MA	T					
🕒 MNT :		- B	Card :			
Current T/C Unit Inst	allation Info Airframe Installation Info	Weight/B	alance/Other Scope	s		
Update Ad	d Edit Delete	Сору				
Scope No. Scope C	ode Description	Zone	Last Done	Next Due	OR	Estimated D
001	Grease and Lubricate					

- d. Left-click the Add button on the Scopes tab toolbar
- e. Continue to the *Scope Setup* section of this procedure to complete creation of the scope and link to the unit.



## 7. Required Equipment Items Scope

A general component scope may be created and linked to a required equipment items within the aircraft file.

a. From the aircraft file, left-click the **Req List** tab.

Aircraft : [B100] Bell 206 Res	Aircraft : [B100] Bell 206 Rescue Helicopter 🗆 🖂						
Add Edit Del	Prev Next Rtrn/Rmv Options Setti	ka Q → √ √ ings <u>S</u> earch <u>Cancel</u> O <u>K</u> Close					
Aircraft ID : B100	Aircraft Model : 757-E	757-E-200 / Fixed Wing					
Airframe Serial : 300001	Description : Bell 206 Re:	scue Helicopter					
Airframe Owner Receive	Operations Leased To Operator Engines/Ass	sembly Units ReqList MEL APU Scopes Charges	Extended Info Crew Image Deferred Cards				
Item No.	Part Number	Description	Zone ATA				
14	5001	Strecher					
15	5002	Oxygen Bottle					
16	16 5003 Gas Mask						

- b. Double-click the item for which a general component scope should be created.
- c. The **Required Equip. List** window will appear. Left-click the **Edit** button on the window toolbar and leftclick the **Scopes** tab.

💽 [Update] Required Equip. List				23
Edit Settings Cancel OK Close				
Item No. : 14	ATA :	••		
Description : Strecher				
▶ MNT :	Card :			
Current T/C Unit Installation Info Airframe Installation Info	Weight/Balance/Other Scor	bes		
Update Add Edit Delete	Сору			
Scope No. Scope Code Description	Zone Last Done	Next Due	OR	Estimated D

- d. Left-click the Add button on the Scopes tab toolbar
- e. Continue to the *Scope Setup* section of this procedure to complete creation of the scope and link to the required equipment item.



## 8. Minimum Equipment List (MEL) Item Scope

A general component scope may be created and linked to an MEL items within the aircraft file.

a. From the aircraft file, left-click the **MEL** tab.

Sircraft : [B100] Bell 206 Resc	ue Helicopter		
🛃   🔧	🖕 📥 🔰 💥 🎕	🖌 Q 💥 🗸 📕	
Add Edit Del	Prev Next Rtrn/Rmv Options Sett	ings <u>S</u> earch <u>Cancel</u> O <u>K</u> C <u>l</u> ose	
Aircraft ID : B100	Aircraft Model : 757-E	757-E-200 / Fixed Wing	
Airframe Serial : 300001	Description : Bell 206 Re	escue Helicopter	
Airframe Owner Receive O	perations Leased To Operator Engines/As	sembly Units Req List MEL APU Scopes Charges	Extended Info Crew Image Deferred Cards
Item No.	Part Number	Description	Zone ATA
2	015-10-144-12	PUMP, HYDR SUB ASSY	
3	C20103500	BRAKE SERVO-VALVE	
7	T-1020	GAS-LEAK INDICATOR	

- b. Double-click the item for which a general component scope should be created.
- c. The **Minimum Equip. List** window will appear. Left-click the **Edit** button on the window toolbar and leftclick the **Scopes** tab.

🛃 [Update] Minimum Equip. List					23
Edit Settings Cancel OK Close					
Item No. : 7 Type :		ATA :			
Description : GAS-LEAK INDICATOR					
	<b></b>	Card :			
Current T/C Unit Installation Info Airframe Installation Info	o Weight/	/Balance/Other S	copes		
Update Add Edit Delete	Сору				
Scope No. Scope Code Description	Zone	Last Done	Next Due	OR	Estimated D

- d. Left-click the Add button on the Scopes tab toolbar
- e. Continue to the *Scope Setup* section of this procedure to complete creation of the scope and link to the MEL item.



## 9. Auxiliary Power Unit (APU) Scope

A general component scope may be created and linked to an APU within the aircraft file.

a. From the aircraft file, left-click the **APU** tab.

Aircrat	ft:[B100] B	ell 206 Resci	ue Helicoj	pter														23
4	1	<b>8</b>			J	×	0	Q	×		-							
Add	Edit	Del	Prev	Next	Rtrn/Rmv	Op <u>t</u> ions	S <u>e</u> ttings	<u>S</u> earch	<u>C</u> ancel	0 <u>K</u>	C <u>l</u> o	se						
Aircraft	ID : 8100			<b>b</b>	Aircraft Mo	odel : 757-6		757	-E-200		7 Fi	xed Wing						
Airframe	Serial : 3000	01		*	Descrip	tion : Bell 2	06 Rescue	Helicopter										
Airframe	Owner R	leceive Op	perations	Leased T	o Operati	or Engin	es/Assemb	y Units	Req List	MEL	APU	Scopes	Charges	Extended	Info Crew	Image	Deferred C	ards
APU No.		Part N	umber		Descri	iption					S/N		Zone		ATA		Nearest Sc	ope D
1		98-534	153-093		AUXIL	JARY POV	/ER UNIT											

- b. Double-click the APU for which a general component scope should be created.
- c. The **APU** window will appear. Left-click the **Edit** button on the window toolbar and left-click the **Scopes** tab.

💽 [Update] APU				23
Edit Options Settings Cancel OL Close				
APU No. : 1	ATA :	•••		
P/N : 98-53453-093				
Description : AUXILIARY POWER UNIT				
▶ MNT :	Card :			
Current T/C Unit Installation Info Airframe Installation Info	Weight/Balance/Other	Scopes APU Components		
Update Add Edit Delete	Сору			
Scope No. Scope Code Description	Zone Last Done	Next Due	OR	Estimated D

- d. Left-click the Add button on the Scopes tab toolbar
- e. Continue to the *Scope Setup* section of this procedure to complete creation of the scope and link to the APU.



## **10. APU Component Scope**

A general component scope may be created and linked to an APU component within the aircraft file.

a. From the aircraft file, left-click the **APU** tab.

Aircrat	ft : [B100]	Bell 206 Re	scue Helico	pter														23
4	Ì	- <b>%</b>			J	X		Q	×		-	1						
Add	<u>E</u> dit	<u>D</u> el	<u>P</u> rev	Next	Rtrn/Rmv	Op <u>t</u> ions	S <u>e</u> ttings	<u>S</u> earch	<u>C</u> ancel	0 <u>K</u>	Clos	e						
Aircraft	ID : 810	00		D	Aircraft Mo	del : 757-6		75	7-E-200		/ Fixe	ed Wing						
Airframe	Serial : 300	0001		*	Descript	ion : Bell 2	06 Rescue	Helicopter										
Airframe	Owner	Receive	Operations	Leased T	o Operato	r Engin	es/Assemb	ly Units	Req List	MEL	APU :	Scopes Cl	harges Ext	ended Info	Crew	Image	Deferred C	ards
APU No.		Parl	t Number		Descrip	otion					s/N		Zone		ATA		Nearest Sc	ope D
1		98-5	53453-093		AUXILI	IARY POV	/ER UNIT											

- b. Double-click the APU on which the component is installed.
- c. The APU window will appear. Left-click the APU Components tab.

APU				23
<u>Edit</u> Options Su	ttings Cancel OK Close			
APU No. : 1	2452.002	ATA :		
Description : AUX				
Description. AUX	NEIART POWER UNIT			
🕒 MNT :		Card :		
Current T/C Unit Ins	tallation Info Airframe Installation Info	Weight/Balance/Other Scopes APU C	omponents	
Unit No.	Part Number	Description	Card No.	S/N
1	3016712	POWER TURBINE DISK		44433

d. Double-click the APU component for which a general component scope should be created.



e. The **APU Component** window will appear. Left-click the **Edit** button on the window toolbar and left-click the **Scopes** tab.



- f. Left-click the Add button on the Scopes tab toolbar
- g. Continue to the *Scope Setup* section of this procedure to complete creation of the scope and link to the APU component.



## 11. Scope Setup

Scopes are used to identify a set of maintenance activities that are required to be performed on a particular aircraft or installed component (engine/assembly, engine/assembly component, unit, required equipment item, MEL item, APU, or APU component).

This section outlines the creation of scopes in general. The process for updating scopes will be outlined in a subsequent section.

**NOTE:** Some fields used within the scope setup require setup of administrative tables. Refer to the Aircraft Record Keeping: Module Setup procedure manual for a list of applicable tables and instruction on setting up those tables.

- a. There are multiple ways to open the **Scopes** window (see sections 2-10 of this procedure). In each case the window title will display where the scope is being created and linked. In the example below, the scope is being created in the parts master (standard scope).
- b. The Scopes window will appear.

🤰 [Add] Partnumbe	er Scopes						53
Add Edit	Delete Rset/	Rtn Op <u>t</u> n	S <u>e</u> ttings	Cancel	<u>ок</u>	→ C <u>i</u> ose	
Scope Info T/C Ini	fo Documents	Routine C	ards Upd	ate Scope	s Sched	uler Mil	estones
Scope No. : 001		S	andard Rou	itine : 🗹			
Description :							
Scope Code :							
Function :							
Zone :					Related P	anels	
ATA :							
Cost Code :							
Preq Scope:	Select						
Parent Scope:							
Estimates Estimate Days : Estimated Labor Hrs :	0:00	Flat Rate : Reset 0/H	Charge .	Amount : [ on T/C Bo	×	0.00	
Employees Skills		, none		]			
Mechanic : Inspector :					ହୁ Messaj ହୁ Memo	ge	

- i. Scope Info tab
  - 1. **Scope No** field [REQUIRED] This field is automatically populated but may be overwritten. [20-character maximum]
  - 2. **Standard Routine** flag Mark this flag as "checked" to identify that the maintenance activity under the scope must be performed on a particular schedule.
  - 3. **Description** field Enter a short description of the scope.



- 4. **Scope Code** field Select the applicable scope code.
- 5. Function field Select the appropriate function code.
- 6. **Zone** field Select the appropriate aircraft zone.
- 7. Related Panels button Left-click to view the panels associate with the selected zone.
- 8. **ATA** field Select the appropriate ATA code.
- 9. **Cost Code** field [REQUIRED] Select the cost code with which this scope will most usually be associated.
- 10. **Preq Scope** field Left-click the **Select** button to identify a unit scope that must be performed before the scope may be completed.
- 11. Parent Scope field IGNORE
- 12. Estimates group box
  - a. **Estimate Days** field Enter the number of days required to complete the maintenance activity under this scope.
  - b. **Estimated Labor Hrs** field Enter the number of labor hours required to complete the maintenance activity under this scope.
- 13. Flat rate group box
  - a. Flat Rate flag Mark this flag as "checked" to identify that the charge to perform the maintenance activity under the scope is a flat charge. By marking this flag, the maintenance work order created from the scope will be marked as flat rate and will override all other charges setting on the work order, cards and tasks.
  - b. Charge Amount field (only visible when the Flat Rate flag is marked as "checked") Enter the amount of the flat charge that should be assigned to maintenance work orders created from the scope.

#### 14. Reset O/H or Inspection T/C Box field

- a. "None" is the default value
- b. "Reset Major Inspection" option will reset the **Inspection** group box numbers for the unit when a work order is created based upon the scope.
- c. "Reset Major O/H" option will reset the **O/H** group box numbers for the unit when a work order is created based upon the scope.



- 15. Employees Skills group box
  - a. **Mechanic** field (reference only) This field may be used to identify a particular skill that all mechanics must possess to perform the maintenance activity under the scope, or a reference to a skill for any purpose you determine.
  - b. **Inspector** field (reference only) This field may be used to identify a particular skill that the inspector must possess to sign as inspector on work orders associated with the scope, or a reference to a skill for any purpose you determine.
  - c. **MNT Alert** field You may identify a user to receive an internal email notification when the **Create Maintenance** option is selected from the **Scope** window associated with and aircraft, unit, assembly or component.
- 16. **Message** button Left-click to open the memo editor; enter any information relevant to the scope that may be shared external to your organization.
- 17. **Memo** button Left-click to open the memo editor; enter any information relevant to the scope that should be kept internal to your organization.



ii. T/C Info tab



- 1. Since New, Since Overhaul, and Since Inspection group boxes
  - a. <u>For standard scopes</u> The fields contained within these group boxes should be left at the value of zero.
  - b. <u>For aircraft scopes and general component scopes</u> These fields will identify the number of hours, landings, cycles, or RIN that were accumulated against this scope prior to applying additional hours, landings, cycles, or RIN from the Flight Operations Module.
- Scope should be implemented starting field If this particular scope is not required to be performed until after some particular future date, enter the date. Otherwise, you may leave the field null.
- 3. Last Date Scope Performed field
  - a. <u>For standard scopes</u> The value of this field should be left at null.
  - b. <u>For aircraft scopes and general component scopes</u> Enter the date on which the scope was last performed.
- 4. **Scope Every** group box
  - a. One Time Only flag Mark the flag as "checked" if the scope is not a recurring scope.
  - b. **QTY** and **UM** fields Identify the interval at which the scope must be performed. For one time only scopes, identify when the scope must be performed.



- c. **OR** and **UM** fields If there is more than one interval applicable to the performance of the scope (i.e. 300 hours OR 6 months), it may be identified.
- d. **Calculate Scope From** group box Identifies what value on the engine/assembly, engine/assembly component, or unit will be used to calculate when the scope is due.
  - i. **New** radio button When selected, the scope due values will use the HSN of the engine/assembly, engine/assembly component, or unit.
  - ii. **O/H** radio button When selected, the scope due values will use the HSO of the engine/assembly, engine/assembly component, or unit.
  - iii. **Inspect** radio button When selected, the scope due values will use the HSI of the engine/assembly, engine/assembly component, or unit.
- e. **Due** fields These fields will be populated if the intervals are populated; however, you may ignore the values. Within the aircraft records, these values will be populated using the HSN/HSO/HSI of the engine/assembly, engine/assembly component, or unit; the HSN/HSO/HSI of the scope; and the flight information applicable to the engine/assembly, engine/assembly component, or unit from flight operations since the Last Date Scope Performed date.



iii. Documents tab



Link publications using the instructions outlined in the procedure "Publications (Core System)" within the General System section of this manual.

**NOTE:** If the Publication Management module is being used, links to all publications are made from the Publications Management module. This procedure describes the steps for linking publications without the Publications Management module. Instructions for linking items to publications from the Publications Management module may be found in the procedure "Publication Management Module" within the General System section of this manual.



#### iv. Routine Cards tab

Routine cards are created to be automatically added to maintenance work orders associated with the scope. Refer to the procedure *"Routine Cards Setup"* within the Quality section of this manual for detailed instructions.





#### v. Update Scopes tab

Other scopes associated with the part number, aircraft, unit, assembly or component may be added to the **Update Scopes** tab if the maintenance performed on those scopes is completed during the performance of the higher level scope.

For example, if you have a requirement for an annual inspection that also includes and fulfills the requirements of your 30-day and 90-day inspections, then you may add your 30-day and 90-day inspection scopes to the **Update Scopes** tab associated with the annual inspection. When the annual inspection is signed off, the system will update the annual inspection as well as the 30-day and 90-day inspection with the same information (Last Date Scope Performed) which will effectively update when each of those scopes are now due.

	Delete			
Drag a colu	ımn header here to group	o by that column		
rom	Scope No.	Scope Code	Description	
		<no data="" displa<="" td="" to=""><td>y&gt;</td><td></td></no>	y>	



#### vi. Scheduler tab

This tab is used to schedule the dates on which the scope is to be performed by company, department, and division. This tab is associated with the Resource Planning Module which is still in development and may be ignored or used for reference only at this time.

Scope Info T/C Ir	nfo Documents Routi	ne Cards Update	Scopes Sched	uler Milestones
Add	Edit Delete			
Date	Scheduling	Company	Division	Department
	<>>	lo data to display>		
4				

- 1. Add a Scope Schedule
  - a. While the **Scope** window is in edit mode, left-click the **Add** button on the **Scheduler** tab toolbar.
  - b. The Scope Scheduling window will appear.

Scope Scheduling	3
∑ancel O <u>K</u>	
Date : 10/14/2014	
Scheduling	
<ul> <li>Backwarding(End Date)</li> <li>Forwarding(Start Date)</li> </ul>	
Priority :	
Project	
Project Manager :	
Comp: 0 ···· Div: ···· Dept: ····	

- i. Date field Identify the date that is relevant to the scope.
- ii. Scheduling group box



- 1. **Backwarding (End Date)** radio button Select this radio button if the scope must be completed by the date identified.
- 2. **Forwarding (Start Date)** radio button Select this radio button if the scope must be started by the date identified.
- iii. **Priority** field Select the priority associated with the scope and this particular schedule.
- iv. **Project Manager** field Select the user who is responsible for the performance of the scope and this particular schedule.
- v. **Comp** field Select the company for which this schedule applies.
- vi. **Div** field Select the division for which this schedule applies. If no division is selected, the schedule will apply to all divisions and departments within the selected company.
- vii. **Dept** field Select the department for which this schedule applies. If no department is selected, the schedule will apply to all departments within the selected division.
- c. Left-click the **OK** button on the **Scope Scheduling** window toolbar to save the record and close the window.
- d. The schedule will appear in the grid.
- 2. Edit an Existing Scope Schedule
  - a. While the **Scope** window is in edit mode, left-click the line that you would like to edit within the grid and left-click the **Edit** button on the **Scheduler** tab toolbar.
  - b. The Scope Scheduling window will appear.
  - c. Modify the details as necessary.
  - d. Left-click the **OK** button on the **Scope Scheduling** window toolbar to save the record and close the window.
- 3. Delete an Existing Scope Schedule
  - a. While the **Scope** window is in edit mode, left-click the line that you would like to edit within the grid and left-click the **Delete** button on the **Scheduler** tab toolbar.
  - b. The schedule will be deleted from the grid.



#### vii. Milestones tab

Milestones may be used to group cards. Applicable cards may be linked to the milestone. When all cards have been completed, the milestone can be considered as completed.

Edit Delete	Add Delete
Code Description Title	Card No. Code Description
<no data="" display="" to=""></no>	<no data="" display="" to=""></no>

#### 1. Add a Milestone

- a. While the **Scope** window is in edit mode, left-click the **Add** button on the left side of the **Milestones** tab toolbar.
- b. The Milestone Type List search window will appear.

٤	Milestone Type List [Press Shi	t^Click For Multi Selection]			23
	Start With :	•••			
			Max Search Result Line	s : 50	÷
1	Drag a column header here to group by	that column			
	Code	Name			
Þ	1	Phase I			
	II	Phase II			
	Ш	Phase III			
	IV	Phase IV			
	V	Phase V			
	Mark All	📓 🛠 🗸 OK	X Cancel	<u>C</u> lose	,

- c. Select the appropriate milestone(s) (left-click the line(s) within the search window and left-click **OK**).
- d. The milestone will appear in the grid on the left side of the window.



#### 2. Edit an Existing Milestone

- a. While the **Scope** window is in edit mode, left-click the milestone that you would like to edit within the grid on the left side of the window and left-click the **Edit** button on the left side of the **Milestones** tab toolbar.
- b. The **Update Milestone** window will appear.

🗾 Update Milestone	23
$\times$	
<u>C</u> ancel O <u>K</u>	
Milestone Code:	
Description:	
Title:	

- i. Milestone Code field This field is automatically populated from the Milestone Type table.
- ii. **Description** field Enter a description for the milestone.
- iii. Title field Enter a title for the milestone.
- c. Left-click the **OK** button on the **Update Milestone** window toolbar to save the record and close the window.

#### 3. Link Cards to Milestones

a. While the **Scope** window is in edit mode, left-click the milestone within the grid on the left side of the window with which you would like to link cards and left-click the **Edit** button on the right side of the **Milestones** tab toolbar.



b. The Aircraft Routine Cards search window will appear.

2	🤉 Aircraft Routine	Cards	[Press Shift^Click For Multi Selection]				23			
	Start With:									
	Max Search Result Lines : 50 🗦									
Drag a column header here to group by that column										
Г	Card No.	Page	Description	Zone	ATA					
Þ	001	1	Maintenance	Horiz Stab & Control Surfaces	HYDRAULIC POWER					
	Mark All	nMark A	XII	*	✓ 0K	<u>C</u> ano	;el			

- c. Select the appropriate card(s) (left-click the line(s) within the search window and left-click **OK**).
- d. The card(s) will appear in the grid on the right side of the window when the milestone is selected on the left side of the window.
- 4. Delete an Existing Milestone
  - a. While the **Scope** window is in edit mode, left-click the milestone that you would like to delete within the grid on the left side of the window and left-click the **Delete** button on the left side of the **Milestones** tab toolbar.
  - b. A **Confirm** dialog box will appear with the following message:



- c. Left-click the **Yes** button.
- d. The milestone will be removed from the scope.



- 5. <u>Remove a Card from a Milestone</u>
  - a. While the **Scope** window is in edit mode, left-click the card that you would like to remove from the milestone within the grid on the right side of the window and left-click the **Delete** button on the right side of the **Milestones** tab toolbar.
  - b. A **Confirm** dialog box will appear with the following message:

Confirm	23
Are you sure you want to delete this linked card?	
Yes No	

- c. Left-click the **Yes** button.
- d. The card will be removed from the milestone.
- c. Left-click the **OK** button from the **Scopes** toolbar to save the scope data.



12. Scopes Window Toolbar



- a. Add button Left-click to add a scope.
- b. Edit button Left-click to edit the scope that is being displayed.
- c. **Delete** button Left-click to delete the scope that is being displayed.
- d. **Rset/Rtn** button Left-click to update the scopes listed on the **Update Scopes** tab in accordance with the information on the current scope.
- e. Optn (Options) button



i. **1. Images** option – Left-click to add images to the scope for reference purposes.

**NOTE:** The Imaging-XL module is required to enable this functionality. Please see the Imaging-XL comprehensive procedures manual for detailed instructions.



- ii. **2. Training Video** option Left-click to add links to video files that demonstrate the performance of the scope tasks.
  - 1. The **Scopes [Video]** window will appear. Left-click the **Add** button from the **Scopes [Video]** window toolbar.

🗾 Scopes [ Vid	eo]:001						23
<b>∦</b> dd	<u>/</u> <u>E</u> dit	<b>E</b> elete	Play	- C <u>l</u> ose			
Search For :							
Title				Image/	/File Type	Attached on date	
			<no data<="" td=""><th>a to display&gt;</th><td></td><td></td><td></td></no>	a to display>			
							/

2. The **Record View** window will appear.

🗾 Record View	23	3
$\times$		
<u>C</u> ancel O <u>K</u>		
	 _	
Title :		
Image/File Type :	 	
File Name :	 	
Date :	•	

- a. Title field Input a title for the video file.
- b. Image/File Type field Left-click the ellipsis in the right side of the field to select from the Image/File Type List or a custom type may be input instead of selecting from the list.
- c. **File Name** field Left-click the ellipsis in the right side of the field to select the file to link to the scope or the path may be input instead of selecting using the Windows interface.
- d. **Date** field This field will be automatically populated with the date and time that the record was created. The date may be changed to reflect any applicable date and time.
- e. Left-click the **OK** button on the **Record View** window toolbar. The window will close and the record will appear in the grid on the **Scopes** [Video] window toolbar.
- 3. Left-click the **Close** button on the **Scopes** [Video] window toolbar.



- iii. **3. Voice Instructions** option Left-click to add links to audio files that describe the scope tasks.
  - 1. The Scopes [Voice/Instructions] window will appear. Left-click the Add button from the Scopes [Voice/Instructions] window toolbar.



2. The **Record View** window will appear.

🛃 Record View			23
$\times$			
<u>C</u> ancel O <u>K</u>			
	0		
Title :			
Image/File Type :			
File Name :			
Date :		*	

- a. Title field Input a title for the audio file.
- b. Image/File Type field Left-click the ellipsis in the right side of the field to select from the Image/File Type List or a custom type may be input instead of selecting from the list.
- c. **File Name** field Left-click the ellipsis in the right side of the field to select the file to link to the scope or the path may be input instead of selecting using the Windows interface.
- d. **Date** field This field will be automatically populated with the date and time that the record was created. The date may be changed to reflect any applicable date and time.
- e. Left-click the **OK** button on the **Record View** window toolbar. The window will close and the record will appear in the grid on the **Scopes** [Voice/Instructions] window toolbar.
- 3. Left-click the **Close** button on the **Scopes** [Voice/Instructions] window toolbar.



- iv. **4. Documents** option Left-click to add links to document files that are associated with the scope.
  - 1. The Scopes [Documents List] window will appear. Left-click the Add button from the Scopes [Documents List] window toolbar.



2. The **Record View** window will appear.

🗾 Record View		23
$\times$		
<u>C</u> ancel O <u>K</u>		
	 _	
Title :		
Image/File Type :	•••	
File Name :	•••	
Date :	•	

- a. **Title** field Input a title for the document file.
- b. Image/File Type field Left-click the ellipsis in the right side of the field to select from the Image/File Type List or a custom type may be input instead of selecting from the list.
- c. **File Name** field Left-click the ellipsis in the right side of the field to select the file to link to the scope or the path may be input instead of selecting using the Windows interface.
- d. **Date** field This field will be automatically populated with the date and time that the record was created. The date may be changed to reflect any applicable date and time.
- e. Left-click the **OK** button on the **Record View** window toolbar. The window will close and the record will appear in the grid on the **Scopes** [Documents List] window toolbar.
- 3. Left-click the Close button on the Scopes [Documents List] window toolbar.



- v. **5. Create Maintenance** option [not applicable to standard scopes in the parts master] Left-click to create a maintenance work order for the aircraft, engine/assembly, engine/assembly component, unit, required item, MEL, APU or APU component to which the scope is associated.
- vi. **6. Audit Trail** option [not applicable to standard scopes in the parts master] Left-click to view a version history for the scope including the user who modified the scope, the date on which the scope was modified and the most recent date on which each version of the scope was associated with a maintenance work order.
- vii. **7. Trace Value Changes** options [not applicable to standard scopes in the parts master] Left-click to view a history of field value changes.

**NOTE:** This option is only applicable when the Mandatory Fields and Audit Trail Module is licensed and fields are marked to track changes.

- 1. **Current Document** option Left-click to view history for the current document only.
- 2. **Similar Documents** option Left-click to view history for the current document and all scope documents that were created from the current document.
- viii. **8. Clear Prerequisite Scope** option Left click to clear the prerequisite scope associated to the scope on the **Scope Info** tab
- f. **Settings** button Left-click to save or clear the window sizing, window position, grid column sizing and grid column order settings.
- g. **Cancel** button [Active only in edit mode] Left-click to cancel changes that have been made since the **Edit** button on the **Scopes** window toolbar was selected.
- h. **OK** button [Active only in edit mode] Left-click to accept changes that have been made since the Edit button on the **Scopes** window toolbar was selected.
- i. **Close** button Left-click to close the **Scopes** window.



## 13. Initial Input

After a scope is associated with an aircraft, engine/assembly, engine/assembly component, unit, required equipment item, MEL item, APU or APU component, the time control information for that scope must be updated as it applies to the specific aircraft or component.

**NOTE:** In this example we will describe all inputs to aircraft hours; however, the procedure may be applied to time, landings, cycles, and RIN.

a. Determine the time control values on which the scope will be based.



**NOTE:** These fields resemble the time control numbers identified for the aircraft or component. At times the values of the time control numbers related to the aircraft or component may match the time control numbers related to the sets of numbers will not necessarily be the same.

From a logic perspective, there is no difference between selecting since new values, since overhaul values or since inspection as long as input is consistent. There are three choices available for documentation purposes only.

The since new, since overhaul, and since inspection values on the aircraft or components will accumulate hours from the Flight Operations module identically.



- i. Since New values
  - 1. The **Since New** group box on the **T/C Info** tab of the **Scope** window will be relevant to scope tracking; the **Since Overhaul** and **Since Inspection** can be ignored.



2. The **New** radio button in the **Calculate Scope From** group box inside the **Scope Every** group box at the bottom of the window should be selected.



- ii. Since Overhaul values
  - 1. The **Since Overhaul** group box on the **T/C Info** tab of the **Scope** window will be relevant to scope tracking; the **Since New** and **Since Inspection** can be ignored.



2. The **O/H** radio button in the **Calculate Scope From** group box inside the **Scope Every** group box at the bottom of the window should be selected.



- iii. Since Inspection values
  - 1. The **Since Inspection** group box on the **T/C Info** tab of the **Scope** window will be relevant to scope tracking; the **Since New** and **Since Overhaul** can be ignored.

Since Inspection					
Hours :	0.00				
Laudinary	0.00				
Landings :	0.00				

2. The **Inspect** radio button in the **Calculate Scope From** group box inside the **Scope Every** group box at the bottom of the window should be selected.

Calculate Scope From
O New O D/H O Inspect



b. Input time control values for flights not tracked within Pentagon 2000.

**NOTE:** The scope due information (when scopes are based on anything except calendar days) is calculated by using the time control values entered into the **Since New**, **Since Overhaul**, and **Since Inspection** group boxes and adding hours (and landings, cycles, RIN, etc.) from the **Cycle Count** tab in the **Flight Log** window according to the factors and formulas identified on the aircraft or component.

Do not enter the hours (or landings, cycles, RIN, etc.) for the aircraft or component unless required. The values that should be input are related to the SCOPE, not the aircraft or component.

FOR EXAMPLE: An aircraft has an HSN of 4,298.2 and the scope is required every 1,500 hours. The scope was last performed on 07/14/2010 and your organization begins using Pentagon2000 on 10/01/2010. During the period 07/14/2010 and 10/01/2010, the aircraft flew 436.4 hours and you do not intend to log those flights into the Flight Operations module. You have chosen to use the Since New values to track the scope due. Therefore, the value of 436.4 should be input into the **HSN** field. However, if you log in all flights since 08/01/2010, a total of 386.7 hours, then you would input 49.7 (436.4 - 386.7) into the **HSN** field.

*In both cases, the system would calculate the same value to be used in the scope due calculation.* 

If today is 10/01/2010:

No Flights entered: 436.4 (HSN) PLUS 0 (hours logged for the aircraft related to the scope) = 436.4 hours

Flights entered for 08/01 thru 10/01: 49.7 (HSN) PLUS 386.7 (hours logged for the aircraft related to the scope) = 436.4 hours

**NOTE:** A similar methodology also applies to scopes related to parts that are contingent upon the component time control values and moved from one aircraft to another.

FOR EXAMPLE: A component has a required scope every 1,000 hours is removed from Aircraft A. The scope was completed 219.5 hours ago and it is either not economically feasible or there is not enough time to perform the scope before the component is installed on Aircraft B. When the component is installed on Aircraft B, the value of 219.5 should be input into the HSN field.

- i. From the **Scopes** window, left-click the **T/C Info** tab.
- ii. Since New group box (HSN, TSN, LSN, CSN, and RINSN fields)
  - If your scope is based upon the aircraft or component since new values, complete all the applicable fields. For example, enter the number of hours that have been accumulated since the last time the scope was performed (or since the aircraft or component was new if the scope has never been performed). Do NOT include hours that were accumulated and allocated to the aircraft or component in the Flight Operations module.



- 2. If your scope is not based upon the aircraft or component since new value, leave all these fields blank.
- iii. Since Overhaul group box (HSO, TSO, LSO, CSO, and RINSO fields)
  - 1. If your scope is based upon the aircraft or component since overhaul values, complete all the applicable fields. For example, enter the number of hours that have been accumulated since the last time the scope was performed (or since the aircraft or component was overhauled if the scope has never been performed). DO NOT include hours that were accumulated and allocated to the aircraft or component in the Flight Operations module.
  - 2. If your scope is not based upon the aircraft or component since overhaul value, leave all these fields blank.
- iv. Since Inspection group box (Hours, Time, Landings, Cycles, and RIN fields)
  - If your scope is based upon the aircraft or component since inspection values, complete all the applicable fields. For example, enter the number of hours that have been accumulated since the last time the scope was performed (or since the aircraft or component was inspected if the scope has never been performed). DO NOT include hours that were accumulated and allocated to the aircraft or component in the Flight Operations module.
  - 2. If your scope is not based upon the aircraft or component since overhaul value, leave all these fields blank.
- c. Identify the date on which the scope was last performed or completed.
  - i. From the **Scopes** window, left-click the **T/C Info** tab.
  - ii. Select the date and time on which the scope was last performed or completed in the Last Date Scope **Performed** field.

cope should be implemented starting :	-
Last Date Scope Performed :	Maintenance Cards
Scope Every	
One Time Only : 🔲	Calculate Scope From
0	🔘 New 🔘 0/H 🧿 Inspect

**NOTE:** The date and time in the **Last Date Scope Performed** field is important for calculating ALL scope due values.



1. For scopes based upon hours (or landings, cycles, RIN, etc.), the date and time identifies the range of flights to consider in the calculation.

**FOR EXAMPLE:** A scope related to an aircraft has an interval of 45 hours and was last performed on 10/13/2010 at 08:30 AM. The aircraft related to the scope completed a flight of 2.3 hours on 10/13/2010 at 07:30 AM, completed another flight of 5.2 hours at 07:03PM, and flew another 15.4 hours during the next 5 days. If the scope due information is viewed for the scope on 10/19/2010 before any flight time is logged, then it would display that the scope is due in 24.4 hours (45 hours (scope interval) MINUS 20.6 hours (cumulative hours flown since the scope was last performed)). The 2.3 hours flown on 10/13 prior to the last scope performed date/time is NOT included.

 In addition, for scopes based upon hours (or landings, cycles, RIN, etc.), a forecasted date due will appear based upon the operational tempo values entered in the Forecasting group box on the Operations tab of the Aircraft window.

**FOR EXAMPLE:** The scope mentioned in the previous example is due in 24.4 hours. The operational tempo for the aircraft is identified as 4 hours per day. If the scope due information is viewed for the scope on 10/19/2010 before any flight time is logged, then it would display that the scope is due on 10/26/2010 (24.4 hours (hours remaining until scope due) DIVIDED BY 4 (operational tempo hours value)) = 6.1; therefore, the aircraft may fly a full six (6) days but the scope will come due on the 7<sup>th</sup> day after today). Since the scope due date (for scopes based on hours (or landings, cycles, RIN, etc.)) is a function of the operational tempo value and the date on which the information is viewed, the scope due date is considered an estimate only; therefore, if the aircraft does not fly and the scope due information is viewed on 11/02/2010, then the scope due date would be 11/09/2010.

3. For scopes based upon calendar dates, the date and time identifies the starting point for the scope due date calculation.

**FOR EXAMPLE:** A scope related to an aircraft has an interval of 30 days and was last performed on 10/13/2010 at 08:30 AM. The scope due information would display that the scope is due on 10/12/2010 (10/13 (date that the scope was last performed) PLUS 30 days (scope interval)) regardless of the date on which the scope due information is viewed.



d. Identify the interval at which the scope is required to be performed.

**NOTE:** Up to two (2) intervals may be identified for each scope. These two intervals are treated as an OR situation. In other words, the system will assume that the scope is due when one of the conditions is met OR the other condition is met (i.e. 45 hours OR 30 days); not when both are met.

i. From the **Scopes** window, left-click the **T/C Info** tab.

Scope Every				
One Time Only : 🔲		Calculate Sc	ope From	
QTY: First Interval	Due:	O New 0.00	© 0/Н	Inspect
OR Second Interval	Due:	0.00		

- ii. In the Scope Every group box, identify the interval for the scope in the QTY field and UM field (just below the QTY field). The Due field (to the right of the top UM field) will display the scope due information for the first interval.
- iii. If a second interval applies, identify the second interval for the scope in the OR field and UM field (just below the OR field). The Due field (to the right of the bottom UM field) will display the scope due information for the second interval.
- e. <u>Identify if the scope is to be performed only once</u> If the scope is not a recurring scope, but is to be performed only once, mark the **One Time Only** flag as "checked".

Scope Every				
One Time Only : 🔲		Calculate Sc	ope From	
QTY:		💿 New	🔘 0/H	Inspect
UM : Hours 💌	Due:	0.00		
0R : 0	Due	0.00		
UM : 🗾 👻	Due.	0.00		

**NOTE:** If the **One Time Only** flag is marked as "checked" AND there is a date in the **Last Date Scope Performed** field, then the system will assume that the scope has been completed the necessary one time and will not include the scope due information in forecasting reports.



## 14. Updating Scope

Once Pentagon 2000 has been implemented, scope information must be updated after the scope is performed or completed.

- a. After a scope is completed, go to the **T/C Info** tab of the **Scopes** tab.
- b. Clear all values in the **Since New**, **Since Overhaul**, and **Since Inspection** group boxes (EXCEPT in cases that a scope has a number of hours already expended, see the NOTE for Para 13.b. above.)

Since New		Since Overhaul		Since Inspection	
HSN :	0.00	HSO :	0.00	Hours :	0.00
SN :	0.00	LSO :	0.00	Landings :	0.00
should be imple	mented st	arting :		-	
noulu be imple	menteu st	aiurig .		* 🖪 Mainter	ance Ci

c. Select the date on which the scope was performed or completed in the Last Date Scope Performed.

Scope Info T/C Info Do	cuments Routine Card	s Update Scopes	Scheduler Milestones
Since New	Since Overhaul	Since Insp	ection
HSN : 0.00	HSO :	0.00 Hours :	0.00
LSN : 0.00	LSO :	0.00 Landings :	0.00
Scope should be implemented s	tarting :	*	
Last Date Scope Perl	ormed :	👻 🕒 Mai	ntenance Cards
Scope Eveni			

d. You may link the card(s) on which the scope was last performed by left-clicking the **Maintenance Cards** button (to the left of the **Last Date Scope Performed** field).

Since New	Since Overha	aul Since Inspection
HSN :	0.00 HSO :	0.00 Hours : 0.00
LSN :	0.00 LSO :	0.00 Landings : 0.00
e should be impleme	nted starting :	
	- Devlemments	- Maintenance Car

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