# RAAS AVIATION MANAGEMENT DECISION SUPPORT





# **AIS**

Aviation InterTec Services provides powerful but straight-forward aircraft maintenance management software solutions and work-flow consulting services for fixed-wing and rotary fleet operators, MROs and CAMOs around the world.

Our aviation management software products and services provide customers with the aircraft maintenance software resources and flexibility required to **move forward with confidence.** 

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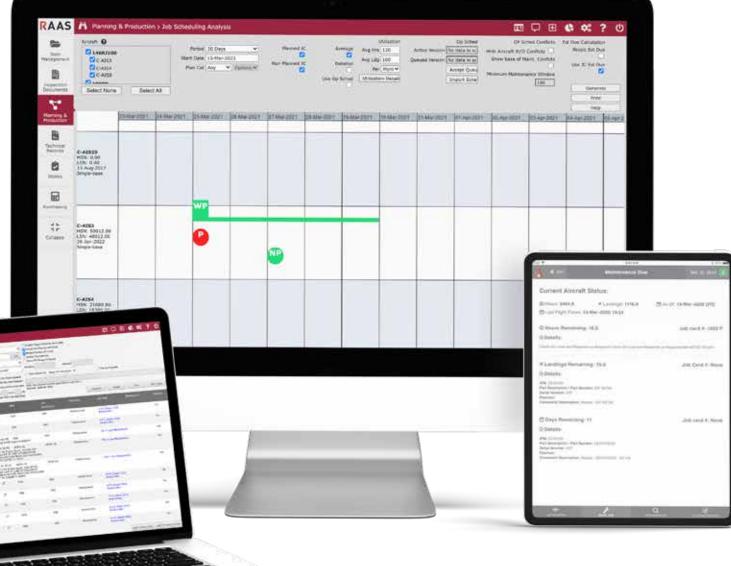
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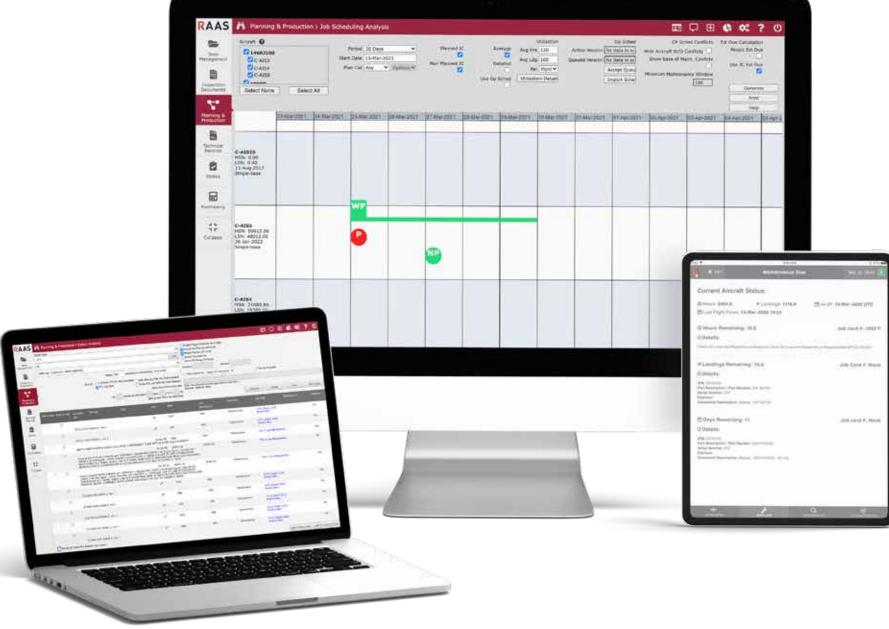
# **Aviation Maintenance Decision Support**

**RAAS** IS A HIGHLY INTEGRATED **BROWSER-BASED M&E WORKFLOW** AND DATA ANALYSIS SOLUTION FOR FLEET OPERATORS, MROS AND CAMOS.

RAAS customers enjoy the benefits of a widely accessible and easy-to-use inventory management and maintenance support system that through continued use is able to reduce maintenance costs by increasing maintenance procedure efficiency, reducing held inventory, providing proof of quality for inspection escalations, and by directly reducing clerical manpower requirements.

RAAS was designed as a superior product for the commercial fleet operator that would achieve enhanced functionality through the use of advanced software development tools and browser-based technologies. RAAS has met the design objectives and demonstrates advanced utility through high levels of integration, easy-to-use user interfaces, and many automated reporting and data analysis features. Advanced functionality coupled with modern application delivery methods make RAAS a leader in its field.





## RAAS



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# Integrated Efficiencies



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## Fleet Status Information Exchange API

RAAS allows data exchange with Ops/Dispatch systems for the purposes ofsending lists of outstanding defects, next due significant maintenance events, maintenance block times and other information pertinent to operational planning.

## Management Dashboards and Data Mining

Dashboards and advanced data analytics are enabled by direct access to your RAAS database, for the purposes of data mining. Tools such as Microsoft PowerBI, Tableau or SAP Business Objects can be used to create custom dashboards and analysis reports, for use either inside or outside of RAAS.



### Automated Airframe Time Updates

RAAS allows data from third-party sources such as a flight operations or flight following system to post time updates against the aircraft in your RAAS database, enabling fully automatic airframe time updating with no need for human intervention. When deployed, this integrated efficiency in-turn enables co-benefits of airframe-time-accurate e-compliance input, system generated maintenance releases, EML tablet app function and more.



### **Mobile Purchase Approval**

Remote PO Approval allows roaming users and non-RAAS users to review and approve purchase requests via email link, with no need to log into the main RAAS system. A link embedded in the automated PO Approval emails allows you to navigate to a mobile friendly approval webpage that will ask you if you want to approve or reject the purchase request. A VP, Director or any other individual with appropriate security permissions will be able to approve an order from wherever they are via their mobile device.



### **Paperless Maintenance**

RAAS offers an entire feature set that enables paperless operation including work assignment, electronic signature and maintenance release to the job, job-task or job-task-step level.



# Integrated Efficiencies

### Electronic Maintenance Log (EML)

RAAS offers Electronic Maintenance Log (EML) iPad/Windows apps for the cockpit. Our EML apps are designed to allow defect reporting from the aircraft while inflight, closure and/or deferral of defects, display of recently accomplished work and cleared defects, and lists of next due items. The app is able to function in realtime or can work as an offline utility that will sync data to the main RAAS host once your tablet gains cellular/WiFi access.



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## Finance/Accounting System Data Exchange

RAAS is designed to send pertinent data to a best of breed accounting and finance system. Typical data sentcan include stock receipts, material expense/consumption data, vendor invoice details and customer invoice details.



### Maintenance Labor Data Capture

For maintenance labor data tracking RAAS offers task clock-in and clockout from shop-floor scan stations or mobile devices. Suitable for both paperless and paper-based environments.



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RAAS

### Mobile Apps for Material Management

Stock take, picklist processing and stock count functionality are available in mobile friendly user interfaces, enabling bring-your-own-device functionality within the RAAS suite.

## **SSO Integration**

This integrated efficiency introduces Active Directory communication via LDAP, which in-turn allows synchronization of RAAS usernames and passwords with your Windows Active Directory Server and enables Single Sign-On (SSO). This integrated efficiency is extremely useful to help reduce network end-user authentication security loopholes, particularly in larger organizations with larger user groups.

# Technical Records

The Technical Records module is responsible for collecting and organizing post-production compliance information and applying that information to the aircraft configuration. The data managed in this module is central to continuing airworthiness management and reliability analysis functions. The RAAS Technical Records module can function as a traditional back-office manual input system or can be automated using electronic rectification inputs with electronic signature via the production module, and automated airframe time updates from third-party data sources.

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# Technical Records

- Independent time tracking for items such as APUs, gear or rotary components.
- Electronic technical/maintenance log books for airframe, modification, engine, gear, etc.
- Associated maintenance features identify nested maintenance actions.
- Industry leading part and inspection historical detail.
- Fleet-wide applicability features for any ADs, SBs and EOs.
- Configuration lists for any component or assembly.
- Facilities for recording prior maintenance.
- Automatic email warranty removal notification.
- Scan and store accomplished jobs as digital documents.
- Component certification documents stored as digital documents.
- Automated airframe time updates from external data sources.
- Automatic component configuration verification during installation and quantity of checks.

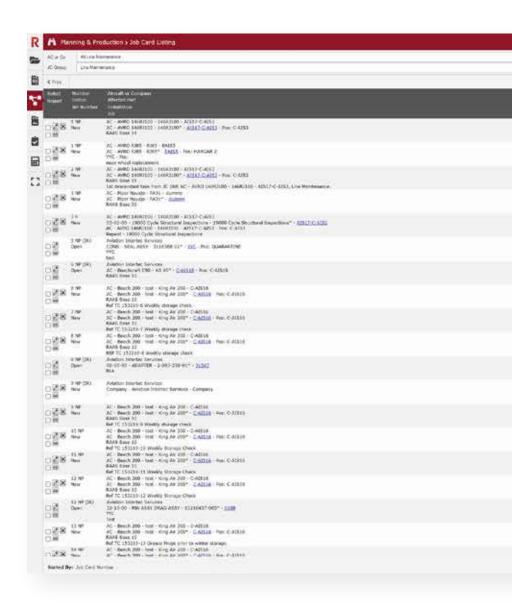
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# Planning and Production

The Planning and Production module is where all scheduled and unscheduled maintenance jobs are catalogued and the bulk of all maintenance activity is controlled.

- Flexible forecasting allows forecasts within an airframe, a base or across the entire company.
- True historical defect analysis reporting.
- Maintenance Control defect staging area for initial defect analysis.
- Integrated deferred maintenance and MEL/ airworthiness item control.
- Job card ticketing system for easy job tracking.
- Work package features for easy grouping and distribution of planned due lists.
- Facilities for electronic rectification inputs from the line, including parts on/off.
- Fully developed electronic signature features to the taskstep level RII and Independent check item management.
- ETOPS significant item management.
- Electronic part requisition system notifies stores/purchasing of part,



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# Planning and Production

- Job templates for any repetitive job including parts lists, trade requirements and graphic attachments.
- Digital document library forinspections, ADs, SBs, etc. automatically printed with job cards.
- Tools for both line maintenance and block/heavy maintenance project activities.
- Easy separation of line maintenance tasks from heavy maintenance projects.
- Links between routine inspection items and spawned non-routine rectification items.
- Track heavy check project accomplishment, parts and labour costs in real time
- Scan and store accomplished job cards as digital documents.
- Pre-defined forecast via email allows automation of repetitive forecasting functions.
- Graphical job scheduling analysis plots for identification of production scheduling conflicts.
- Electronic maintenance status board for quick views of baseoriented production schedules.

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# Inventory and Stores

The primary objective of the Inventory and Stores module is to provide the user with a suite of tools to help automate the physical workflows associated with stock management and also allow easy management of large quantities of data.

- Integrated electronic part requisition • system linking Production, Stores and Procurement.
- Segmented consumption history and • one-click reorder features.
- Stale parts and overstock analysis features. Internal repair and overhaul facility features.
- Loan, borrow and consignment stock management.
- Warranty tracking. ۲
- Tool crib and tool allocation tracking. ۲
- Numerous email-based status notifications. •
- Inventory count utility for rapid count ٠ findings input.
- Bar-code support for inventory issues and • physical inventory count.
- Handheld offline data collection device (with integrated bar-code scanner) support for electronic sign-out sheets and remote inventory count data collection.

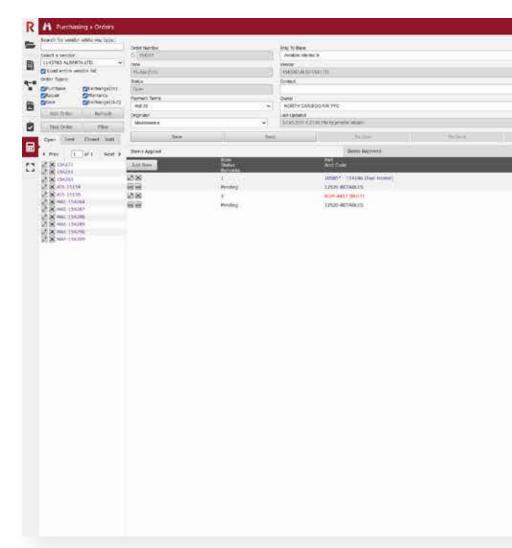
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# **Procurement & Orders**

The Procurement and Orders module is designed to allow easy management of purchase, sales, warranty, repair and exchange orders. The module provides an extensive suite of tools to allow procurement personnel to organize and report on all current, outstanding, and historical order data. Users are able to keep track of an order item throughout its order cycle to the extent that planning and production personnel have visibility throughout the process.

- Fax and email based request for quotation system.
- Complete order tracking and historical vendor analysis.
- Comprehensive purchase approval process with electronic signature.
- Invoice matching sub-module enables • payable control and financial system integration.
- Scan and store component certification • documents as digital documents.
- Issue inventory against production • requests during receiving.
- Email material receipt notifications.



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# **Reliabilty Analysis**

Reliability analysis features in RAAS are distributed through RAAS modules and combine to allow comprehensive performance and reliability reporting across numerous aspects of the maintenance organization.

- Integrated component overhaul performance reporting. •
- True historical defect analysis reporting. ۲
- Integrated defect analysis reporting and graphs including • 30 day type, 30 day fleet and 12 month type.
- Automatic email defect alert level exceedence notification for proactive defect level monitoring.
- Automatic email notification on MEL or airworthiness defect item creation.

### **Defect Analysis**

Information from Apr 12, 2018 to Dec 2, 2019 Ordered By: ATA - Log Date

Log Date	Log	ATA		H
Job 00x - 2 hits				
3-Jul-2018	20-84556	00-00	0-00	1495
	ments: Remov Canadian & U t binder.			
24-May-2018	19-90431	00-00	0-00	1490
L/H engine re completed.	quires ground	run and k	eak chec	k after w
05x - 64 hits	5			
12-Jul-2018	20-84561	05-00		1496
	on IAW NCA0			
10-Jul-2018	20-84560	05-00	0-00	1496
	on IAW NCA0			
9-Jul-2018 Daily inspecti	20-84559 on IAW NCA0	05 26 DL f	Def	ect A
		_		from Apr 12, 3 y: ATA - Log D
5-Jul-2018 Daily inspecti	20-84558 on IAW NCA0	05 26 DL f	Affected Pa	art: AC - Beech
3-Jul-2018	20-84557	0		
	on IAW NCA0	-		
3-Jul-2018	20-84556	05		70
	on IAW NCA0			60
29-Jun-2018	20-84554	05		50
Daily Inspecti	on IAW NCA0	26 DI 1	Hits	40
29-Jun-2018	20-84555	05	Ī	30
Daily inspecti	on IAW NCA0	26 DI f		20
29-Jun-2018	20-84554	05		10
ONODE DO	WNLOAD EVE	RY 50		<b>ک</b> و
27-Jun-2018	19-90450	05		· ·
Daily Inspecti	on IAW NCA0	26 DI 1		
27-Jun-2018	20-84552	08		
Daily Inspecti	on IAW NCA0	26 DI 1		
26-Jun-2018	19-90449	08		
Daily inspecti	on IAW NCA0	26 DI 1		
22-Jun-2018	19-90448	0		
	on IAW NCA0			
21-Jun-2018 Daily Inspecti	19-90447 on IAW NCA0	26 DL1		
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19-Jun-2018 Daily Inspecti	19-90446 on IAW NCA0	05 26 DL1		
17-Jun-2018	19-90444	05		
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17-Jun-2018		05		
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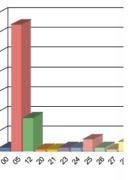
RAAS M&E System

## RAAS

### 00 - C-AIS12

C-AIS1	2				
HSN	LSN	Originator Rectification	Jobcard	Planned	Include in Rot
955.1 ents, ocumen	14487.0 ts		540 P: Line Maintenance nents removed and installed current Canadian & s into document binder.	Yes USA Aircraft	No
905.3 work	14441.0	Maintenance L/H engine ground ru	498 NP: Line Maintenance In and leak check carried out, no leaks or problem	No ns found.	Yes
966.4	14497.0	Planning Daily inspection com	555 P: Line Maintenance pleted IAW NCA026 DI form.	Yes	No
964.1	14495.0	Planning	547 P: Line Maintenance	Yes	No
Anal	-			Yes	No
g Date	st - King Air 200 - C-A	IS12		Yes	No
		lite Por ATA G	ouping	Yes	No

### Hits Per ATA Grouping



Defect Analysis Information from Apr 12, 2018 to Dec 2, 2019 Ordered By: ATA - Log Date		
Affected Part: AC - Beech 200 - test - King Air 200 - C-AIS12		
ATA Breakdown	00x 05x 12x	1.2% 39.3% 10.4%
	20x 21x 23x 24x 25x	0.6% 0.6% 1.2% 1.2% 3.7%
1 5	25x 26x 27x 28x 30x	5.7% 1.2% 0.6% 3.1% 2.5%
	31x 32x 33x 34x	0.6% 2.5% 6.1% 4.3%
	35x 52x 53x 55x	1.2% 1.8% 2.5% 1.2%
	56x 57x 61x 70x	0.6% 1.2% 0.6% 1.2%
	71x 72x 73x 79x	1.8% 3.7% 1.2% 3.1%
6	ACx	0.6%

RAAS M&E System

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# **Inspection Programs**

The Inspection Programs module is where source MRM/MPD task data and associated instruction cards (JIC, MTC, Work Card, etc.) are managed within RAAS. Using this source data RAAS users can develop inspection programs specific to the operating conditions experienced within their fleet and can dynamically customize programs as needs require.

8	Analysis Airc A1S22-C-A HSN 0.001.S/	1519	v s Of 30-Sep 2021 (d	elvery date (inknown)	Filter Tasks	Task Category All task cate					0	k Applicability Show appli tasks Show non appli tas	KS		Multi Constra Show All
	EWIS MRBB	05	211X2	AC	12000 PH / 120 MG	EWIS 12000 (	IR TASKS	D1			No Effectivit	y Notes Available	Tracked on tasks -EWIS	r AlS22-C-AlS Inspection 1	519 under EWIS Inspection 12000 2000 hour tasks +A1522-412
	EWIS MR88	05	21183	AC	12000 FH / 120 MO	EWIS 12000 )	IR TASKS	DI	ALIenicabile		No Effectivit	y Notes Available			S19 under EWIS Inspection 12000 2000 hour tasksALS22-412
9	EWIS MRB8	05	22581	AÇ	12000 PH / 120 MO	EWIS 12000 *	R TASKS	GVI			No Effectivit	y Notes Available	Tracked on tasksEWIS	r AIS22-C-AIS Trispection 1	S19 under EWIS Inspection 12000 2000 hour tasks, AIS22 412
2	EWIS MRB8	05	225X2	AC	12000 FH / 120 MO	EWIS 12000 F	IR TASKS	01	<b>Kinitestille</b>		No Effectivit	y Notes Available	Tracked on tasks -EWIS	c AIS22-C-AIS Inspection II	S19 under EWIS Inspection 12000 2000 hour tasksAI522-412
	FWIS MRB8	85	23)81	AC	20000 FH / 180 MQ	EW15 20000 )	R TASKS	DT			No Effectivit	y Noteși Available	Tracked on tasks.+EWIS	r A1522-C-A15 Trispection 20	519 under EWIS Inspection 20000 0000 hour tasks -AIS22-412
	EWIS MRB8	05	232X1	AC	20000 FH / 180 MO	Task Details	Frequency	Confi	guration	G	rouping	Effectivi		n A1922-C-A19 story	hour tasksAIS22-412
	EWIS MRB8	65	23381	AC	25000 FH / 240 MD	Record ID:				Item	5220/55		. (		nder EWIS Inspection 25000 hour tasksAIS22-412
	EWIS MR88	05	233X2	AC	25000 FH / 240 MO	Aircraft:	DEHAVILA	ND DHC-8-3	311 - DI	Num: Origin:	SIP MRB	3 Cat:	AD	•	nder EWIS Inspection 25000 hour tasksAIS22-412
	EWIS MR88	03	234X)	AC	25000 FH / 240 MO	Title:	Flight Com	partment E	scape F	Zone:	821				nder EWIS Inspection 25000 hour Tasks.+AIS22+412
	EWIS MRB8	05	234X2	AC	25000 FH / 240 MO	Inspection Task	Notes:		Edit	Area:					nder EWIS Inspection 25000 hour tasksAL522-412
	EWIS MRBB	05	262X1	AC	12000 FH / 120 MO	External gener				ATA:	52				nder EWIS Inspection 12000 hour tasks -AIS22-412
	EWIS MRB8	05	262X2	AC	12000 FH / 120 MO	COMPARTMENT	ESCAPE H	AI CH and SI		Check:	с				nder EWIS Inspection 12000 hour tasksALS22-412
	EWIS MR88	05	31282	AC	12000 FM / 120 MO					Rev. Num:	28	Rev. Date:	5-Jun-201	15	nder EWIS Inspection (2000 hour tasks -AIS22-412
	EWIS MR88	05	322X1	AC	30000 FH / 240 MO	Add	Access Pane	el		Add		Reference			nder EWIS Inspection 30000 hour tasks.+AI522+412
	EWIS MRB8	05	4160(1	AC	2500 FH / 30 MQ										nder EW15 Inspection 2500 h our tasks -A1522-412
	EWIS MR88	0S	419X1	AC	6000 FH / 60 MD	_									nder EWIS Inspection 6000 h our tasks -AJ522-412
	EWIS MR58	05	41982	AC	6000 PH / 60 MD	Add Attachmer Add Procedure	<ul> <li>Procedule</li> </ul>	ure File Att	achment	E	ffective Airc	raft			nder EWIS Inspection 6000 h our tasks -A1922-412
	EW15 MRB8	05	428X1	AC	2500 FH / 30 MO		5220/5	5 MTCM	5220_55.pd	f C	-FHNC, C	GAQN, C-GI	.WN		nder EWIS Inspection 2500 h our tasks -AIS22-412
	EWIS MRB8	05	429X1	AC	6000 FH / 60 MQ										ider-EW15 Inspection 6000 h our tasks -A1922-412
	EWIS MR88	05	429X2	AC	6000 FH / 60 MD										nder EWIS Inspection 6000 h our tasks,-AIS22-412
	EWIS MRB8	05	511X1	AC	18000 FH / 180 MQ	•								•	nder EWIS Inspection 18000 hour tasks +A2522-412
	EWIS MRB9	05	512×1	AC	18000 FH / 180 MQ	Add		Trade			Man Hrs				nder EWIS Inspection 18000 hour tasksAIS22-412
	EWIS MR88	05	522X1	AC	18000 FH / 180 MO / NOTE1										nder EWIS Inspection 18000 hour tasks +AIS22-412
	EWIS MRB3	05	523X1	AC	18000 FH / 160 MO / NOTE1										nder EWIS Inspection 18000 hour tasksAIS22+412
	EWIS MRBB	05	524×1	AC	18000 FH / 180 MO / NOTE1	Add	Part N	lumber			Qty	Notes	PF	2	nder EWIS Inspection 18000 foor tasks -AIS27-412

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peat	Suspended	0 M /120 M	120	00 -/-	UNK	UNK	UNK
pest	Suspended	0 M /120 M	UNK 120	00	UNK	UNK	UNK
peat	Suspended	UNK	-/12 UNK 120	EINK	UNK	UNK	UNK
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Locati							
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# **Inspection Programs**

- Maintain all inspection document revision  $\bullet$ controlfrom a central repository.
- Develop and manage multiple parallel inspection programs per aircraft type.
- Define signature requirements at the taskstep level, including multiple signature for RII/Independent confirmation steps.
- Generate audit reports confirming correct and complete compliance within your inspection program.
- Automatically generate inspection sheets for higherfrequency inspections, allowing you to do away with custom company forms for the same purpose.
- Model heavy check visit packages in a pre-production environment for resource, tool, access and part planning.
- Accumulate history for routine to non-routine rectification task relationships.
- Integration with manufacturer online • document repositories is available.

### MPD Task Status

Analysis Aircraft: DEHAVILAND DHC-8-311 - DHC-8-311 - C-AIS19 (H:36700.70, L:62144.00, C:30-Jul-2018) Ordered By: Item, Zone

tem	Zone	Check	Applicable	Group	LD Hrs	LD Ldg	LD Cal	ND Hrs (SN)	ND Ldg (SN)	ND Cal (SN)
111	AC	С	Applicable	1C Check	35711.6	61304	13-Jan-2017	40711.60		19-Nov-2021
111E	AC	С	Applicable	1C Check	35711.6	61304	13-Jan-2017	40711.60		19-Nov-2021
112	AC	с	Applicable	1C Check	35711.6	61304	13-Jan-2017	40711.60		19-Nov-2021
112E	AC	С	Applicable	1C Check	35711.6	61304	13-Jan-2017	40711.60		19-Nov-2021
113	AC	С	Applicable	1C Check	35711.6	61304	13-Jan-2017	40711.60		19-Nov-2021
113E	AC	С	Applicable	1C Check	35711.6	61304	13-Jan-2017	40711.60		19-Nov-2021
114	AC	С	Applicable	1C Check				40711.60		19-Nov-2021
114E	AC	С	Applicable	1C Check	35711.6	61304	13-Jan-2017	40711.60		19-Nov-2021
121	AC	с	Applicable	1C Check	35711.6	61304	13-Jan-2017	40711.60		19-Nov-2021
121E	AC	с	Applicable	1C Check	35711.6	61304	13-Jan-2017	40711.60		19-Nov-2021
122	AC	с	Applicable	1C Check	35711.6	61304	13-Jan-2017	40711.60		19-Nov-2021
122E	AC	С	Applicable	1C Check	35711.6	61304	13-Jan-2017	40711.60		19-Nov-2021
122X1	AC	20000 FH / 180 MO	Applicable	EWIS 20000 HR TASKS	28000		1-Jan-2011	49766.30		20-Feb-2027
131	AC	С	Applicable	1C Check	35711.6	61304	13-Jan-2017	40711.60		19-Nov-2021
131E	AC	С	Applicable	1C Check	35711.6	61304	13-Jan-2017	40711.60		19-Nov-2021
131X1	AC	12000 FH / 120 MO	Applicable	EWIS 12000 HR TASKS	29776.3		20-Feb-2012	41776.30		20-Feb-2022
131X2	AC	12000 FH / 120 MO	Applicable	EWIS 12000 HR TASKS	29776.3		20-Feb-2012	41776.30		20-Feb-2022
131X3	AC	12000 FH / 120 MO	Applicable	EWIS 12000 HR TASKS	29776.3		20-Feb-2012	41776.30		20-Feb-2022
132	AC	с	Applicable	1C Check	35711.6	61304	13-Jan-2017	40711.60		19-Nov-2021
132E	AC	С	Applicable	1C Check	35711.6	61304	13-Jan-2017	40711.60		19-Nov-2021
132X1	AC	12000 FH / 120 MO	Applicable	EWIS 12000 HR TASKS	29776.3		20-Feb-2012	41776.30		20-Feb-2022
133	AC	с	Applicable	1C Check	35711.6	61304	13-Jan-2017	40711.60		19-Nov-2021
133E	AC	с	Applicable	1C Check	35711.6	61304	13-Jan-2017	40711.60		19-Nov-2021
133X1	AC	12000 FH / 120 MO	Applicable	EWIS 12000 HR TASKS	29776.3		20-Feb-2012	41776.30		20-Feb-2022
141	AC	с	Applicable	1C Check	35711.6	61304	13-Jan-2017	40711.60		19-Nov-2021
141E	AC	с	Applicable	1C Check	35711.6	61304	13-Jan-2017	40711.60		19-Nov-2021
141X1	AC	12000 FH / 120 MO	Applicable	EWIS 12000 HR TASKS	29776.3		20-Feb-2012	41776.30		20-Feb-2022
142	AC	с	Applicable	1C Check	35711.6	61304	13-Jan-2017	40711.60		19-Nov-2021

RAAS M&E System

## RAAS

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# **Expense Centers**

RAAS

Expense Centers are essentially financial ledgers that automatically receive financial transaction data lines whenever a part, material or service process is affected. The Expense Centers allow for centralized collection of all parts and labor expense data that in-turn can be used for internal or external billing purposes, or as a financial transaction staging area prior to import into the enterprise financial management system or ERP.

I Management of the second s	Expense Centre: YQG In/Out (YQG In/Out)							G 🕫 ? )
Detail Report	Related Item: Auto - Inventory - Inventory - YQG							
RCRAFT	Choose Filter Criteria Transaction Date Range	Invoice Date Rs	10e	Filter By Transaction Type		Show Batched		
AIS14- AIS14	Start Date	Start Dato		~		a second and a second sec		
C-AIS1 - AIS1	End Date	End Date		Filter By Employee		15 Rows Per Page		
C-AIS10 + AIS10	Show Held			~				
C-AIS11 - AIS11						Refresh List		
C-AIS12 - AIS12 C-AIS13 - AIS13	< Prav		Page 1 of 5					N
C-AIS15 - AIS15	Sel Description		al francisco de la companya de la co			Transactic	on Date Batch Date	e Invoice Date
C-ALS16 - ALS16	Origin					Transactio		Involce
C-A1517 + A1517	TRASS 094-14000 - RAASS (NUT)					Qby 15-Mar-2	Ext Cost	Final Cost
C-AIS18 - AIS18	Order: AIS-15077					Purchase	1175	
C-A1519 + A1519	Order: AIS-15077.					20	60	60.00 CAD
C-AIS2 - AIS2	□ 🔍 🔆 💭 🖻 10-1180-1 - NA (LIGHT ASSY)					19-May-2		
C-A1520 + A1520	Ground 190174					Purchase		
C-AIS21 - AIS21	Order: 150174.					2 15-Mar-2	- 3542.92	3542.92 CAD
C-A1522 - A1522 C-A1523 - A1523	Ordet: AIS-15078					Purchase		
C-AL525 - AL525	Order: AIS-15078.					15	30	30.00 CAD
C-AIS3 - AIS3	32-0210-45 - YYC (SPACER) - Trace: 78454					16-Jul-20	10	
C-A154 + A154						Party		
-AIS6 - AIS6	5909077-201 - N/A (Core Assy (Flex Shaft))					1 26-Mey-2	114.7	114.70 CAD
-A157 - A157	Order: 150205					Purchase		
-AIS8 - AIS8	Order: 150205.	View batches for				1	2677.98	2677.98 CAD
C-A159 - A159	□ V X D # 7589141 - YQG (FILTER)	<ul> <li>View last batch for selected ECs</li> </ul>				16-Mey-2	017	
INTORY	<ul> <li>Order: 150119</li> </ul>	<ul> <li>View all batches for selected ECs</li> </ul>	-					
u,4 In/Out	Order: 150119.	<ul> <li>View all non-batched items for se</li> </ul>				Repair Order		
EG In/Out	Order: 150119	Start Date End Date		Order Number	Ship To Base	Buyer	Quick Notes	FOB
HZ In/Out	Order: 150119	Show inactive Expense Centers					Quicit Hoteo	•
YQG In/Out	× Q ≓ 81135022-101 - VQG (DECAL)	✓ All Batches		151761	Aviation Intertec 1	Barry Craig		
YXC Adjustments	<ul> <li>Order: 150222</li> </ul>		Show Details in Report	Date	Vendor		Tax Amount	Shipping Est
YXJ In/Out	Order: 150222	✓ 8-Oct-2019 : 127		2-Jan-2018	AVROTECHNIK AVIATION SERVICES	Edit Change	0.00	0.00
OCS In/Out	Order: 150222	19-Mar-2019 : 123	Parts to Include: All Parts	Status	Contact		Additional Notes	
YYC Adjustments	Order: 150222	✓ 31-Dec-2017 : 128	Sort Order	Closed	SALES,	Edit Add		
YYC Expired Parts	3×52 81151169-103 vQG (Label)	✓ 7-Sep-2017 : 27	C - Job Card - Date Issued - Desc	Closed	SALLS,			
YYC In/Out	<ul> <li>Order: 130107</li> </ul>			Payment Terms	Owner	Carrier		
ER/MISC	Order: 150107.		EC - Trans Type - Batch - Account - Desc	Net 30	NORTH CARIBOO AIR YYC	INHOUSE REPAIRS	Use Multi-Tier Ap	oprovals
	0 1 X 2 2 81151169-103 · YQG (Label) - Trace: 152340		EC - Account - Trans Type - Desc - Batch		Last Updated		Approval Info	
	Transferred out of inventory on 13-Oct-2017 by Richard Dra		EC - Owner - Trans Type - Batch	Originator				
	- X D C 81152026-109- YQG (DECAL)		EC - Description	Maintenar 🔻	2-Jan-2018 12:59:00 PM by Richard	Draho	Order not Approve	d
	Order: 150221		Employee - Expense Center - Job Card					
	Order: 150221		EC - Inventory Type - Desc	Save S	end Re-Open Re-Send O	Close Void Appr	rove 😧 🛛 Print	Rec Report A
	□ N X D E 81152047-101 - YQG (PLACARD)							
	Order: 150213 Order: 150213		Select Transaction Type(s)	Items Applie	ed Items Received	Part Request Detail	S	
	S S S P 81152050-101 - YQG (DECAL KEEP OFF)		Select All	Itom	Dat	PR Reason	ETA C	
	Ordet: 150222		Adjustment Consignment	Item Status	Part Acct Code			urrency ct Price
	Order: 150222.		Count Adjustment 🗌 Exchange Order	Remark		0.00.		
	1 S S S 4 81152089-101 - YQG (PLACARD)		Freight Charge Loan Order	1	A/C C-FSUA, S/N 3373 JOB CARE	236 NP No Repair	1-Nov-2017 CA	AD Not
	Order: 150222 Order: 150222		Non-Tracked Other	Closed			289.0000 Per 1 28	
	WART LIVEL		Parts Purchase Order		WHEEL SHIMMY ON LANDING	1 cuch	200,00001011 20	5.0000
			Repair     Sales Order	NUSEY	THEE SHIPPING ON DANDING			
			Stock Transfer Warranty Order					
	21i		Labour select all employees V					
Find Batch		,	Print Export					
import Involce	Sorted By: Description		EC Trend Export EC Trend					

# Expense Centers

- Expense Center ledgers for centralized collection of  $\bullet$ all parts and labor expense data.
- Expense information is stored discretely and can be  $\bullet$ traced to individual jobs.
- Extremely flexible design allows creation of an  $\bullet$ expense center for any entity in the system. Jobs for a given aircraft can be associated to
- different expense centers for detail job • cost analysis.
- Labour input module for employee and job specific time accumulation.
- Invoice production with customer specific mark-ups.
- Financial system integration available. •

### Work Order Details

Ordered By: Work Order - Job Card - Trans Date - Description All unit cost suffixed with \* have been converted to Canadian Dollars. ? denote unknown currencies. Please verify all exchange rates listed at the end of this report in the Options section. Transaction Type(s) To Include: Adjustment, Consignment, Count Adjustment, Exchange Order, Freight Charge, Loan Order, Non-Tracked, Other Parts, Purchase Order, Repair, Sales Order, Stock Transfer, Warranty Order, Labour (All Employees) Transaction information for all batches for the following selected Work Order(s) within the period 30-Dec-1899 to 30-Dec-1899: Work Order: C-AIS3 - AIS3 - AIS3 General Expense Center; Batch(es): 27 (7-Sep-2017), 123 (19-Mar-2019), 127 (8-Oct-2019), 128 (31-Dec-2017)

Description Job Card Number / Group Notes

C-AIS3 - AIS3 - AIS3 General Expense Center 1 P / Line Maintenance / 146RJ100 - C-AIS3

61-2275-1 - 079 (EMERGENCY BATTERY)

Notes: Part was expensed either at receipt or during a pr issue. Cost to be attributed at repair receipt. 3 NP / Line Maintenance / 146RJ100 - C-AIS3 L/H flight direct selector switch arm light burnt out 4054319-101 - YYC (LAMP)

8 NP / Line Maintenance / 146RJ100 - C-AIS3 #3 Engine, Inner exhaust cone has 2 small bumps MS9557-09 - YYC (BOLT)

Notes: Part was expensed either at receipt or during a pr issue. Cost to be attributed at repair receipt. NAS1805-4 - YYC (NUT)

14 P / Line Maintenance / 146RJ100 - C-AIS3 Shock Absorber Overhaul 201106001 - M-DG-0140 (SHOCK ABSORBER)

Notes: Installed RH SUA Part was expensed either at receipt or during a proissue. Cost to be attributed at repair receipt 16 P / Line Maintenance / 146RJ100 - C-AIS3 Inner Cylinder Overhaul TC-EC - YVR (WATER KIT)

21 P / Line Maintenance / 146RJ100 - C-AIS3 Perform L-Check IAW NCA038 form MGG1044-08 - YYC (LAMP)

1864 - YYC (LAMP DOOR INSPECTION)

### 24 NP / Line Maintenance / 146RJ100 - C-AIS3 DMI #106 - FWD lav smoke detector test CANCEL button U/S, tests OK PU90-461R3 - 11770 (SMOKE DETECTOR RJ100)

25 P / Line Maintenance / 146RJ100 - C-AIS3 Daily Inspection IAW NCA039 DI form.

RAAS M & E System

## RAAS



Invoice Date	Batch Date	Trans Date	
Invoice	Batch	Trans Type	Inv Type
Final Cost	Ext. Cost	Qty	Trace

### Task Description: 335000-RAI-10000-1 EMERGENCY LIGHT BATTERY PACK Position: LE11 PN:

			ATTENT PAON POSICION. LE	
	7-Sep-2017	14-Jun-2017		
	27	Parts	Inspection	
0.00	0.00	1.00	150358	revious
	7-Sep-2017	15-Jun-2017		it.
	27	Parts	RJ100	
4.65	4.65	1.00	120078	
			I side, in near the	dents on RH
	7-Sep-2017	19-Jun-2017		
	27	Parts	RJ100	
0.00	0.00	1.00	150584	revious
		19-Jun-2017		
	7-Sep-2017	10-001-2017		
	7-Sep-2017 27	Parts	RJ100	

		20-Jun-2017	7-Sep-2017	
	Inspection	Parts	27	
	150657	1.00	0.00	0.00
revious				

	22-Sep-2017	31-Dec-2017	
Inspection	Parts	128	
141102	1.00	0.00	0.00

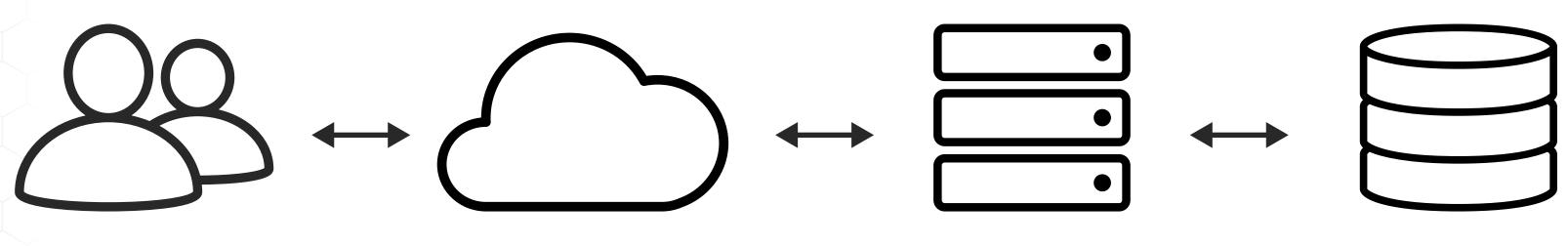
7-Sep-2017	23-Jun-2017	
27	Parts	Inspection
7.52	8.00	119483
7-Sep-2017	26-Jun-2017	
27	Parts	Inspection
2.00	2.00	141800
	7.52 7-Sep-2017 27	Parts 27 8.00 7.52 26-Jun-2017 7-Sep-2017 Parts 27

	28-Jun-2017	7-Sep-2017	
RJ100	Parts	27	
139065	1.00	0.00	0.00

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# System Architecture

**RAAS is a true browser-based solution**, allowing users to access the system with any computer, mobile device or smartphone. The application can be installed on a web-server on your network or we can provide web-server hosting services for you. Because there is nothing to install on individual user computers, more individuals will have access to the system and end-user IT maintenance considerations are virtually removed.



**RAAS Users** 

Cloud or LAN

**IIS Web Server** 

MS SQL Server(s)

# Process Diagram

