AWCCE

Aviation Warranty Consultancy& Claiming Experts



Agenda

- Warranty Definition
- What is covered by Warranty
- Standard Warranty
- Standard Warranty Period
- Extended Warranties
- Manufacturer Warranty-Exclusions
- Warranty Claim Process
- Oman Air Current Warranty Practice
- Recommendations

Warranty Definition

- An agreement between a buyer and a seller of goods or services, detailing the conditions under which the seller will make repairs or fix problems without cost to the buyer.
- A warranty describes the conditions and period during which the producer or vendor will repair, replace, or compensate for, the defective item without cost to the buyer or user.

Standard Warranty

Each aircraft and all warranted parts shall be free from defects:

- In material
- In workmanship
- In design, having regard to the state of the art at the date of design
- Arising from failure to conform to the specification

Standard Warranty Periods

- Aircraft –Standard Warranty for Airbus is 36
 Months.
- Aircraft –Standard Warranty for Boeing is 48
 Months.
- Vendors- In the range of three to five years depending on the vendor

Extended Warranties

Aircraft manufacturers provide a 12 year service life policy

Service Life Policy (SLP) is applicable to a
 selected list of items of primary aircraft structure and
 provides a cost sharing that varies over a period of time.

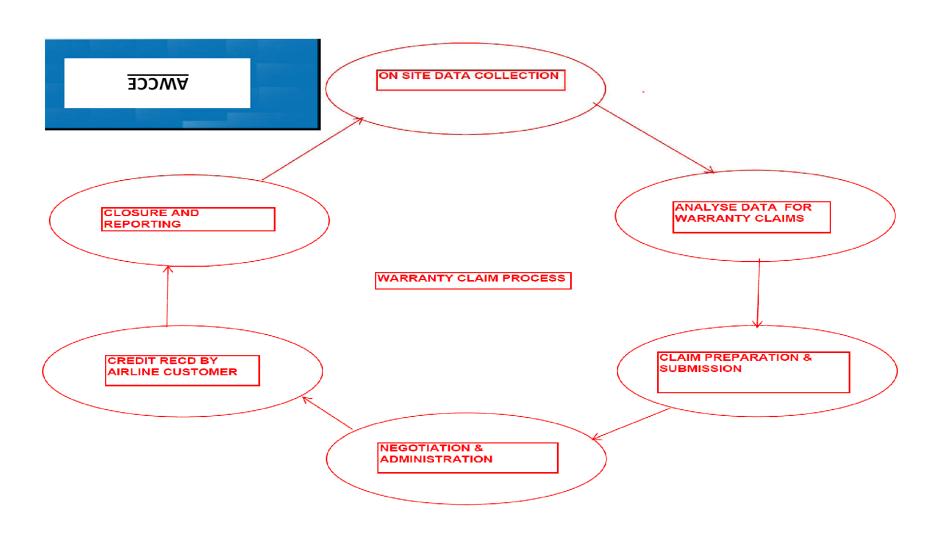
• Remedies (Material costs only) A pro-rata

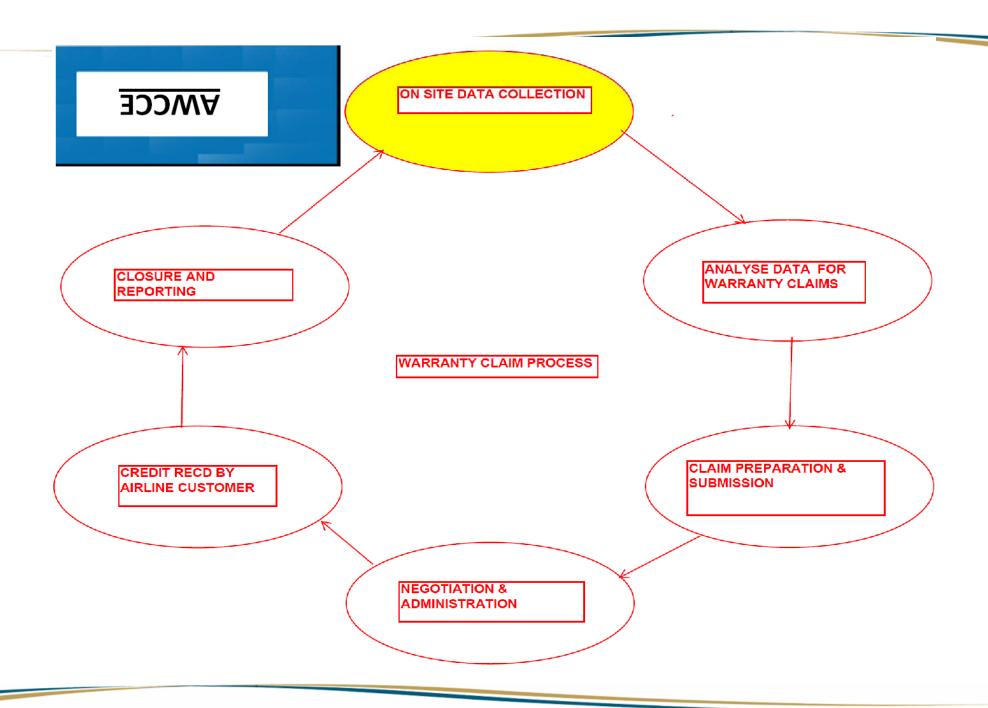
formula gives the credit to be applied under this policy. This formula takes into account the partial use already made by the relevant part over the agreed duration. Within the duration of the standard warranty, 100 percent coverage is applied.

Manufacturer Warranty-Exclusions

- Buyer furnished equipment (BFE) which is equipment fitted that has been purchased by the Customer according to their specific needs. (Warranty coverage is negotiated by direct contracts with the relevant suppliers;).
- Propulsion System as this coverage is provided directly by the Engine Manufacturer selected by the Customer.
- All Supplier Furnished Equipment (SFE) are covered by the transfer of Vendor warranties (PSAA).

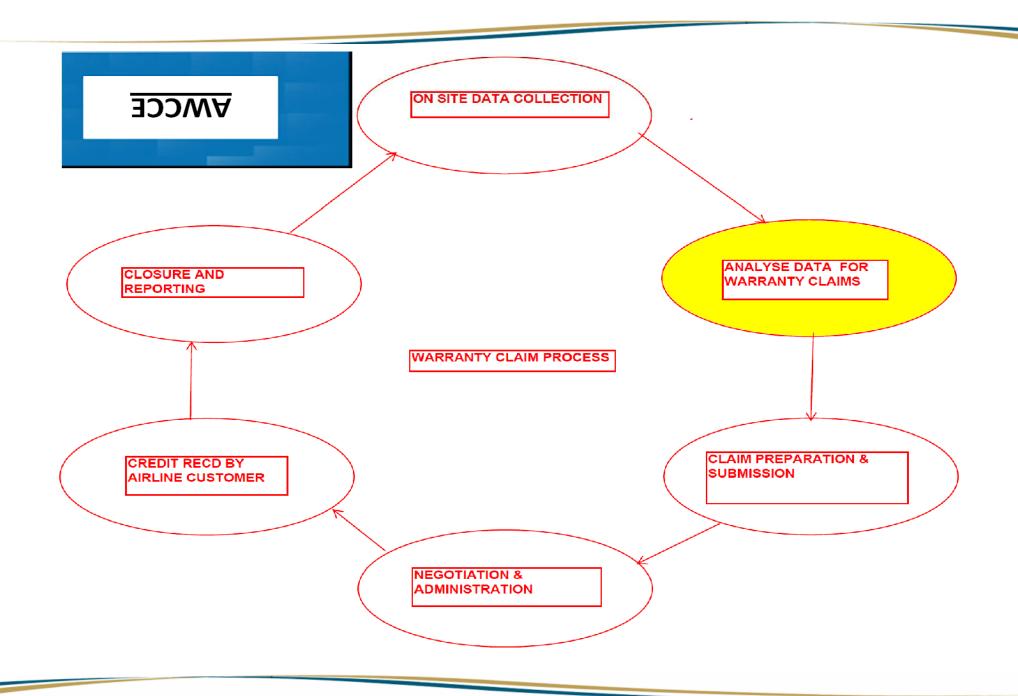
Warranty Claim Process Plan





On site Data collection

- 1. Aircraft, Engine, BFE Installation Warranty Includes SB's and Modifications are captured by adding a statement in the Engineering Order to forward the accomplishment job cards to Warranty officer, or and Excel sheet list provided by planning during C-check.
- 2. The unscheduled component removals declared unserviceable are captured by monitoring the log book entries & the PMI on weekly basis across the fleet.
- 3. All non routine cards provided by tech records are captured in the PMI and receive hard copies during C-check.

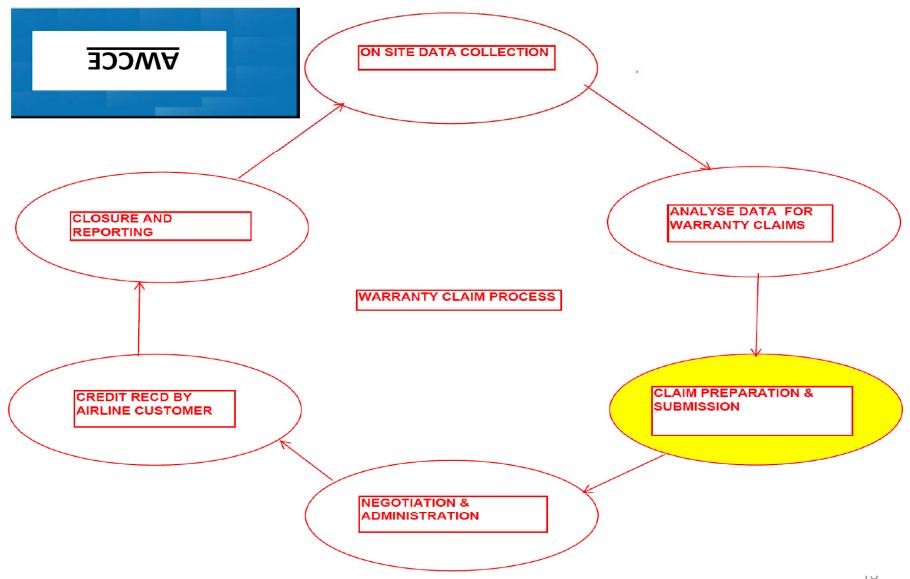


Analyze Data for Warranty Claim

Based on Contractual documents

Warranty cover is assured by:

- The Aircraft Purchase Agreement (PA)
- The Letter Agreements and Amendments to the PA
- Commitment Letter
- Warranties and Service Life Policy (SLP)



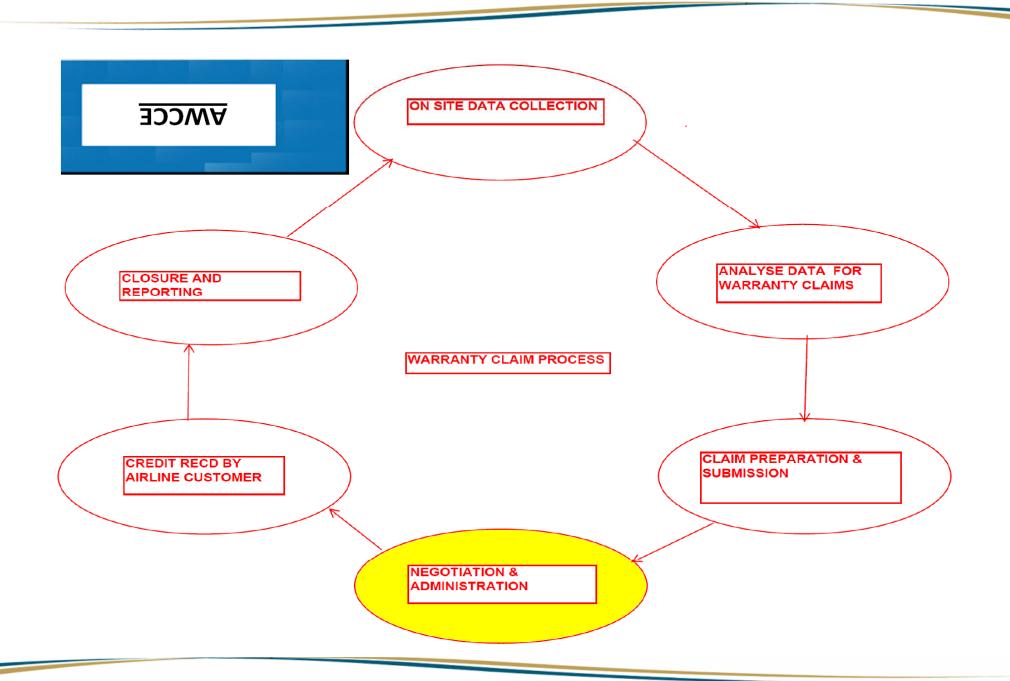
Claim Preparation

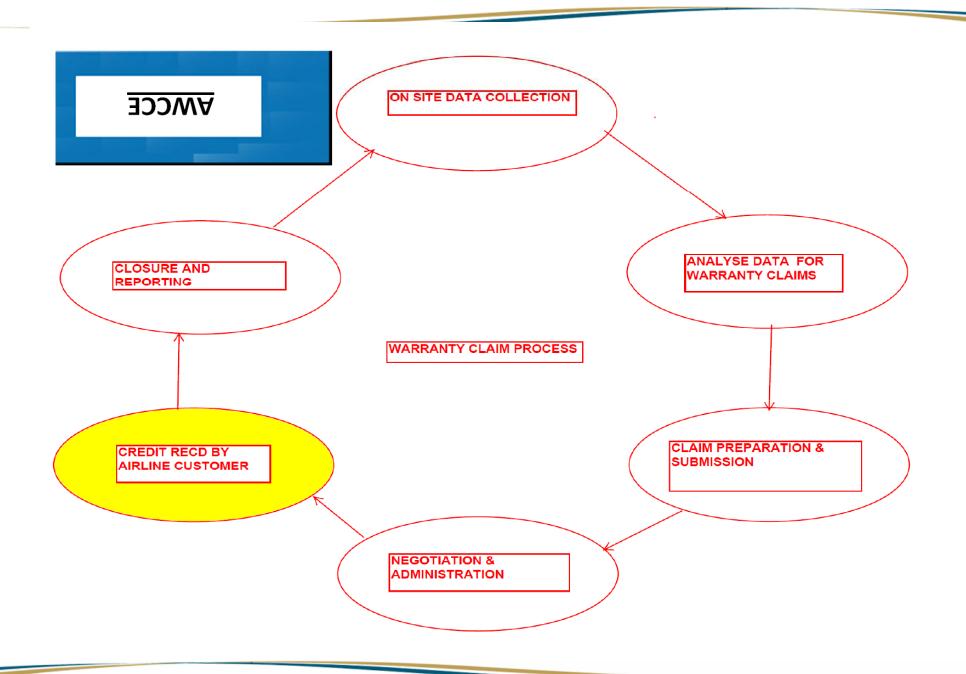
Airbus	Boeing	Vendors		
Claim to be submitted within 120 days of discovering the defect •Warranty Officer must collect: a) description of defect b) date defect detected c) part description d) p/no, s/no e) position f) TT, TSLSV, aircraft MSN g) A/C TT, Cycles h) Claim number/date/Delivery date	The defect must be discovered during the warranty period, and Boeing must receive written notice of discovery no later than 180 days of discovering the defect or 90 days after expiration of the warranty period. •Warranty Officer must collect: a) description of defect b) date defect detected c) part description d) p/no, s/no	Varies based on the vendor, Claim to be submitted within 120 days of discovering the defect •Warranty Officer must collect: a) description of defect b) date defect detected c) part description d) p/no, s/no e) position f) TSLSV g)Claim number/date/Delivery date		
of part to Buyer •Warranty Officer must collect from materials: a) Purchase Order b) Unit Price c) Qty d) Invoice •Warranty Officer must collect from planning /Base:	e) Claim number/date/Delivery date of part to Buyer •Warranty Officer must collect from material: a) Purchase Order b) Unit Price c) Qty d) Invoice •Warranty Officer must collect from planning /Base:	 of part to Buyer •Warranty Officer must collect from material: a) Purchase Order b) Unit Price c) Qty d) Invoice •Warranty Officer must collect from planning /Base: 		
a)Labor hours	a)Labor hours	a)Labor hours		

Submission

 After all the data collected for warranty claim, warranty officer should go to my Boeing fleet and/or Airbus world website to raise a claim.

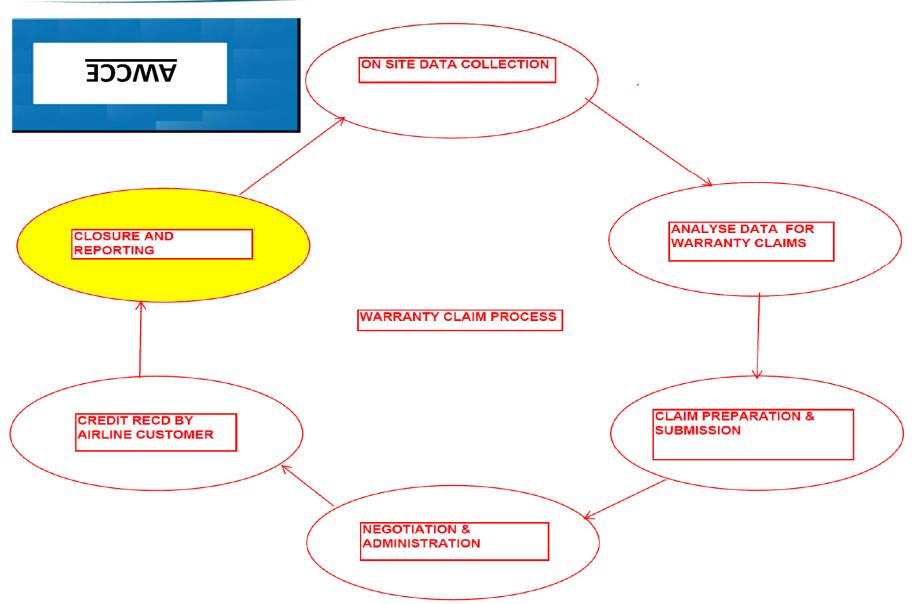
 Suppliers claims are also done through my Boeing fleet and/or Airbus world.





Credit recd by Airline Customer

Airbus	Boeing	Vendors			
CLAIM DISPOSITION NOTICE CDN NR: 320MA/0004-00 DATE: 28 MAY 2010	BOEING* Facsimile Message	Honeywell Engines & Systems 1944 E. Sky Harbor Circle PD Box 29003 Phoenix, AZ 85038-9003			
TO: OMA Mr Fahad Hamood AL-RAWAHI, Dev. Engineer - Why. fahadh@omanair.sero CC: OMA Mr Dag Jayasuriya, Sr Mng Tech Contract Dag Jayasuriya@omanair.com CC: OMA Mr Waheed AL AUFI, Assist Mng Tech Contract Waheed AlAufi@omanair.com CC: OMAMCT@AIRBUS.COM) CC: Stephane COPIN SCZ, (stephane.copin@airbus.com) REQUESTOR: OMA CLAMM REF: WY/A/10/001 I/O: 562522 OPERATOR: OMA TRACKING NR: MSN : 1044 SUBJECT : PIN F5757416220400 CAP VENDOR : ATA: 57 SN: LABOR OTY MMH TOTAL MM Rate % as per work performed by OMA on LH#5 & RH#2 FLAP FAIRING ACCESS DOOR 1 200 200 62.81 100 OTHER OTHER OTHER TOTAL: USD 125.62 OTHER TOTAL: USD 529.00 SETTLEMENT: C Credit ACCNT: OMA CDN TOTAL: USD 754.62 Dear Fahad,	To: Oman Air Attention: Fahad Al-Rawahi fahadh@omanair.aero September 1, 2009 6-1151-MAO-13724 Subject: Service Bulletin 737-49-1133 References: (a) Oman Air Claim No. WYW/09/034 (b) Boeing Claim No. 2009H0343 In reply please refer to Boeing Claim No. 2009H0343 Dear Fahad, Thank you for the reference (a) claim. Our review of your request is complete. Based upon the information provided, we are agreeable to providing credit in the amount of USD 1,818.00 for the incorporation of the subject modification on airplane YA366, YC171 and YJ901. This credit represents reimbursement of 10.0 M/H Each x USD 60.60. This amount reflects M/Hs commensurate with subject service bulletin rev. 02 estimates. Please advise if we can provide any additional information on this matter. Best Regards, Mailyn Oken) Marilyn A. Olsen Warranty Analyst for Mark W. Bailey Regional Manager BCA Warranty & Product Assurance Contracts Phone: (206) 766-4213 Fax: (425) 237-1706 We would appreciate your feedback regarding warranty claim administration. Please use the following link and complete a brief survey. Thank you. https://www.myboeingfleet.com/claims/survey.asp	CREDIT MEMO Oman Air Aith: Suleiman Al-Baluchi Muscut International Airport PO Box 58, PC 111, Sultanate of Oman Credit Memo Date: 286MF2XM Claim Number: 1001/2008 5156442 To apply credit or request a refund, contact Credit & Mary Ann Moya (480) 582-3841 Triesaury Services at (602) 365- or manyann.moya@honeywell.com 2617 at CUSTOMER CODE: 0533 SERVICE CENTER V/YW/07/033 ORIGINAL CLAIM: INVOICE: PRODUCTS: GTCP131-98 AMOUNT AMOUNT AMOUNT REQUESTED APPROVED New 0.00 0.00 T&M 0.00 0.00 Exchange 0.00 0.00 Chers 75.32 75.32 TOTAL AMOUNT 4,308.50 0.00 Others 75.32 75.32 TOTAL AMOUNT 4,419.32 103.82 MOITES: Claim Submitted By: Fahad Al-Rawahi RARI tabor and Reglyt interincursement apply per the Boeing PSAA when New Unit Vianranty is accepted on units removed and returned to an authorized Honeywell regination. Her microbial disposition as follows: PH 6025-64-18 N 04537 was originally delivered on BT37 aircraft A4D-88 on May/07/2007, and removed with TSN of 1041/ns. Part was sent to GMBH who in turn sent it to PHX agains R0 # 62590, new unit warranty was at first denied, but then accepted so put was repaided and or ordrape. Therefore, the reinflustment for the repair oct of \$30.05.05 is denied. The balance of 0.5hrs for R8R is acceptable at \$57/hr for a 2007 removal, plus the requested freight cost of \$75.32. Page 1 of 1			



Closure and Reporting

Oman Air warranty claim No.	EO/SWI	Description	SB/SL or other Ref.	Amount Claimed	Amount Approved	Manufac turer Claim No.	Date
WYW/09/062	B3-32-0013	LANDING GEAR -Nose Landing Gear Extension and Retraction - Gear Lock Actuator Trunnion Seals Replacement	737-32-1394	\$1666.50		2010A00 02	31 Dec 2009
WYW/09/061	B3-53-0021	Possible Tool mark on BST 178 Bulkhead (Radome Area) A4O-BR	737-SL-53- 065	\$121.20		2009H00 18	31 Dec 2009
WYW/09/060	B3-53-0029	POSSIBLE GAP COMMON TO THE BODY STATION 203 WATERLINE 234 INNER CHORD SPLICE STRUCTURE	737-SL-53- 083	\$484.80		2010A00 01	31 Dec 2009
WYW/09/059	B3-53-0031	POSSIBLE MISSING FILLER IN MAIN ENTRY DOOR UPPER SILL AT BS294.5 A4O-BR	737-SL-53- 076	\$121.20		2009H03 30	31 Dec 2009
WYW/09/058	B3-53-0032	POSSIBLE EXCESS THREAD PROTRUSION ON KEEL BEAM BOLTS AT BS540, WLI50, LBLIO AND RBLIO	737-SL-53- 072	\$484.80		2009H03 31	31 Dec 2009
WYW/09/057	B3-71-0007	Power Feeder Wire Bundle Chafed against Fan Cowl Hinge Bracket	737-SL-71- 058	\$151.50		2009L035 0	31 Dec 2009
WYW/09/056	B3-21-0012	AIR CONDITIONING: PROTECTIVE CAPS NOT REMOVED FROM MIX MANIFOLD TEMPERATURE	737-SL-21- 083	\$290.88		2009L034 9	29 Dec 2009
WYW/09/055	B3-20-0003	WIRE BUNDLE SUPPORT BRACKETS IN NOSE GEAR EE BAY INCORRECTLY INSTALLED	737-SL-20- 052-A	\$1060.50		2009L034 7	28 Dec 2009
WYW/09/054	B3-53-0049	EXCESSIVE SEALANT IN APU DOOR HINGE CORNERS	737-5L-53- 091	\$545.40		2009L034 6	24 Dec 2009

Thank you
Any Questions?