

Marcos Munoz Tapia

De: Francisco Yanez <francisco.yanez@vivaaerobus.com>
Enviado el: miércoles, 30 de agosto de 2017 11:57 a.m.
Para: Marcos Munoz Tapia
Asunto: RE: Minuta de hechos Grupo de Trabajo ACAS.

Buen Día Inge,

Muchas gracias por la información, aprovecho el mensaje para compartirti la información de los costos que se generarían para hacer el Upgrade del software a la versión 7.1 en aeronaves A320 rentadas, los precios de las computadoras son estimados basados en una propuesta comercial anterior:

Solo como aclaración, estas aeronaves estarán saliendo de la flota durante el 2018,

Upgrade to TCAS Computer Change 7.1 Compliant					Costo Por Computadora (USD-2017)***	Inversión Por Aeronave (USD)
MSN	TCAS Change 7	SB	Costo Por SB (USD - 2017)	TCAS Change 7.1 Part No.		
	066-5000-2220	RFP	11,475	940-0351-005	72,800	84,275
	940-0300-001	RFP	11,475	940-0351-005	20,400	31,875
	940-0300-001	RFP	11,475	940-0351-005	20,400	31,875
	066-5000-2220	RFP	11,475	940-0351-005	72,800	84,275
	940-0300-001	RFP	11,475	940-0351-005	20,400	31,875
	822-1293-321	34-1538	SB disponible	822-1293-332	14,470	14,470
	822-1293-322	RFP	11,475	822-1293-332	12,787	24,262
Total / SB			68850	Total / Computadoras	234,057 ***	
					Inversión Total (USD)	302,907

Adicionalmente, me gustaría saber si ya enviaron la minuta de la sesión 4?

De antemano agradezco tu atención,

Saludos

Francisco Yañez

Contract & Warranty Manager

+(52) 81 8215 0500 Ext. 553 & 545

+(52) 1 81 1776 8671

francisco.yanez@vivaaerobus.com | www.vivaaerobus.com



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Apodaca, N.L.
C.P. 66600

Marcos Munoz Tapia

De: Velazquez Rivera, Alberto Juan <ajvelazquez@aeromexico.com>
Enviado el: jueves, 07 de septiembre de 2017 03:52 p.m.
Para: Marcos Munoz Tapia
CC: Caballero Vidal, Tomas; Roman Ramirez Montalvo; Arturo Byrd Martinez; Carlos Najera Campos; Pablo Carranza Plata; Francisco Jaime Contreras Miranda; Emilio Valencia Garcia
Asunto: Re: Minuta de hechos Grupo de Trabajo ACAS.

Estimado Ing. Muñoz:

Atendiendo el Segundo acuerdo de la minuta de hechos de la sesión 03-17 ACAS, al numeral 4.- Asuntos generales y al acuerdo Sexto, ambos de la minuta de hechos de la sesión 04-17 ACAS, anexo le envío la información relativa al costo de instalación del sistema ACASII versión 7.1 en las aeronaves de la flota de Aeroméxico (AMX) y de Aeroméxico Connect (AMC), el cual es el siguiente:

Tarea	Costo Unitario (USD)	FLOTA AMX y AMC			Cantidad Aviones
		B737	ERJ-190	ERJ-170	
Aviones que requieren solo actualizar SW	\$ 25,000	36	45	12	93
Aviones que requieren cambio de unidad	\$ 170,000	7	0	0	7
Costos por modelo de Aeronave		\$ 2,090,000	\$ 1,125,000	\$ 300,000	
Total de la Inversión	USD	\$ 3,515,000			

Quedo a sus órdenes para cualquier aclaración, comentario o duda la respecto de este tema.

Saludos

Ing. Alberto J. Velázquez Rivera

Ingeniero de Normas y Procedimientos
Standards & Maintenance Procedures Engineer



Tel. +52 (55) 9132 6339
Correo Electronico ajvelazquez@aeromexico.com
Clave Sita MEXLH

El 29 de agosto de 2017, 17:41, Marcos Munoz Tapia <marcos.munoz@sct.gob.mx> escribió:



Proposal

Date:	June 12, 2019	Aircraft:	HAWKER 800XP
Company:	Aero Lineas Del Centro	Registration:	XA-JMR
Contact:	Francisco Del Moral	Serial:	258530
Phone:	521449111531100	Quoted By:	Eric Smith
Email:	fdelmoralj@hotmail.com	Proposal ID:	15857

WORK SCOPE

Banyan Air Services is pleased to provide this itemized proposal for your review. If this proposal fails to meet your expectations for any reason, please contact Eric Smith at 954-492-4343 or email: esmith@banyanair.com

Install FDAR and CVR capable of recording for 2 hours and upgrade to TCAS 7

Proposed Input Date: _____

Item	Description	
3001	Install FDR-1000 with STC SA1684GL. <i>STC must be approved by mexico before install can start.</i>	\$72,449.00
3002	Install upgraded TCAS processor to 7.1 with AML STC. <i>STC must be approved by Mexico before install can begin.</i>	\$39,867.00
3003	Install new Universal CVR-120A with DER approval. <i>DER must be approved by Mexico prior to install.</i>	\$40,605.00
Total Labor and Parts Estimate		\$152,921.00

Banyan's General Terms and Conditions

- Customer is responsible to provide documentation to include, logbooks, wiring diagrams, avionics equipment lists, electrical load analysis, and weight and balance data in order to facilitate this Avionics installation. Inaccurate or incorrect information or failure to provide wiring diagrams could result in additional time and material charges and could extend the downtime of the aircraft.
- Quote/Flat rate pricing does not include repairs on any discrepancies that may be found. Upon arrival of the aircraft, an incoming inspection will be performed; an estimate and quote will be provided for your approval based on our current shop labor rate at the time of service per hour.
- Pricing does not include freight charges, applicable sales tax, crew or fuel for any flight testing, de-fuel or charges incurred due to unforeseen damages.
- Quote is valid for 30 days at our FXE Banyan facility.



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- Maintenance Execution
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- Garuda

Modifications

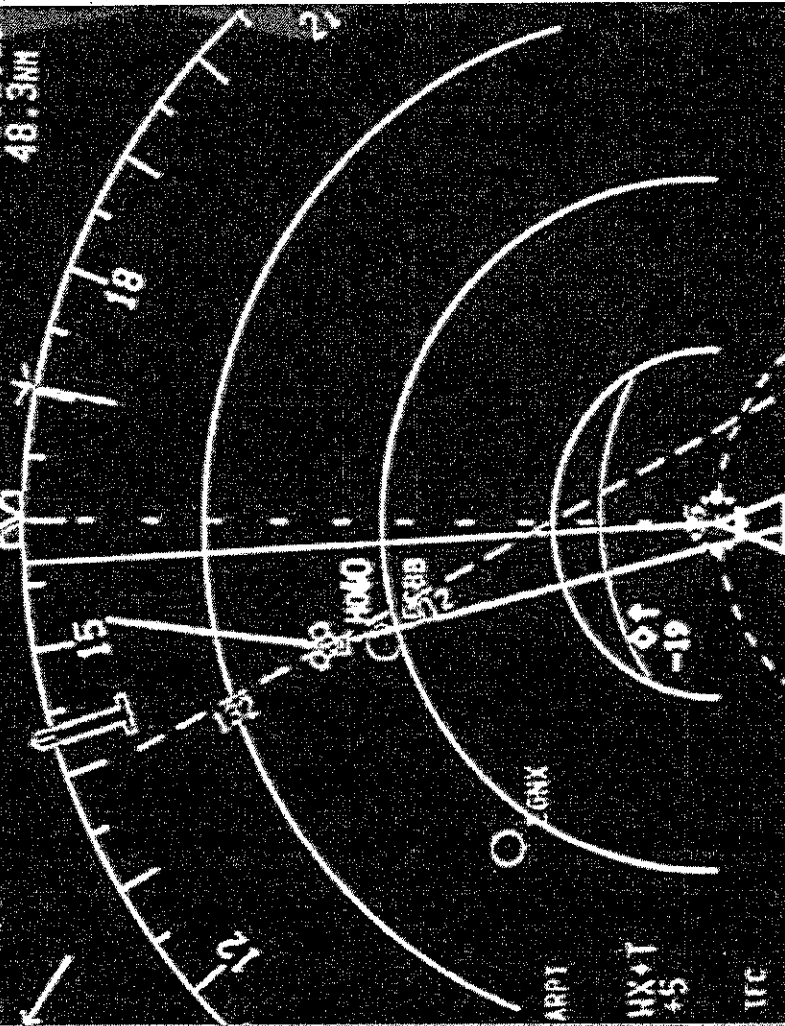
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The Safety Related Enhancements (TSO C119) change current TCAS II aural warning from "Adjust Vertical Speed, Adjust" to "Level Off, Level Off" (Figure 1) and correct TCAS-TCAS reversals to address missed reversals and late reversals (Figure 2).

Background

EUROCONTROL identified enhancements through extensive analysis of pilot responses to TCAS II commands in European airspace.

Boeing is prepared to work with you to streamline your ability to implement TCAS II Version 7.1.

Further information regarding regulatory mandate, operational approval, and flight crew operating requirements is available at: <http://www.eurocontrol.int/acas-ii/tcas-ii-version-7.1>.

- Hardware remains the same
- Existing TCAS unit is modified using a software upgrade
- Pricing is based on software-only revision

Offering 737 Classic, Next-Generation 737, 747, 757, 767, 777

Forward fit deliveries: March 1, 2012

Retrofit aircraft: December 1, 2015

Price	Price
ACSS 3000, Honeywell and Rockwell	ACSS 2000
Blockpoint ¹ Service Bulletin: \$20,200/customer fleet (per model)*	Blockpoint ¹ Service Bulletin: \$36,600/customer fleet (per model)*
Blockpoint ¹ Service Bulletin: \$23,300/customer fleet (only for 737 Classic with Honeywell or Rockwell)*	Stand-alone Service Bulletin: \$43,700/customer fleet (per model)*
Stand-alone Service Bulletin: \$37,294/customer fleet (per model)*	

¹Blockpoint is defined as a predetermined release date where multiple customers are included on one service bulletin. If a customer opts not to be included in the blockpoint release, a stand-alone bulletin may be provided at additional cost.

*Pricing in 2013 U.S. dollars, STE.

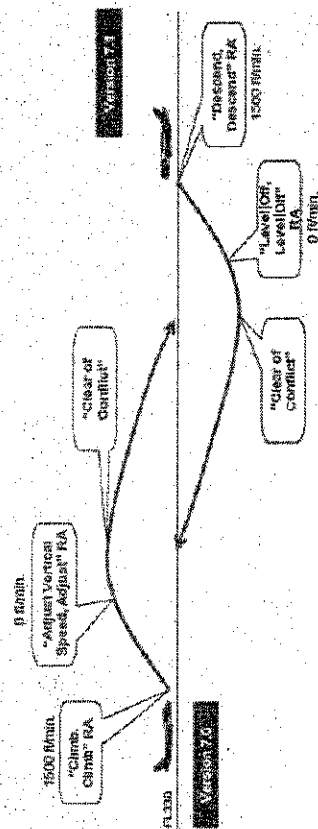


Figure 1. Comparison of "Adjust Vertical Speed, Adjust" and "Level Off, Level Off" RAs (Source: EUROCONTROL)

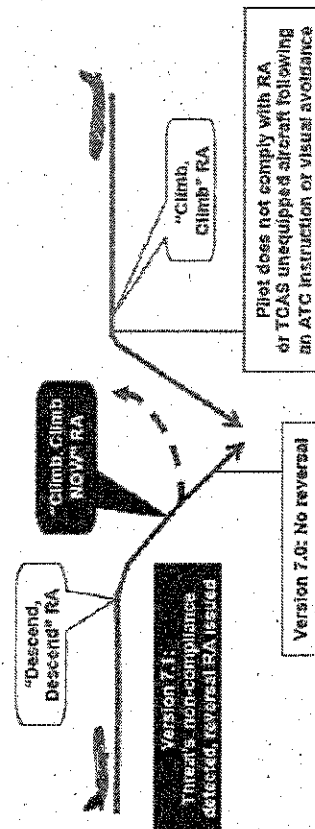


Figure 2. Improved Reversal Logic (Source: EUROCONTROL)

For further information, please send a request to airplaneservices@boeing.com or contact your CAS Sales Representative.