Amateur-Built Fabrication and Assembly Checklist (2009)

(Fixed Wing)

Name(s)	Sonex Aircraft LLC		
Address:	511 Aviation Road, Oshkosh, WI 54902		
Aircraft Model:	Waiex		
Date:	January 26, 2010		
	NKET Evaluators: Matt Tomsheck, Michael Sloat,		
Remarks:	John Kolin, Joseph Palmisano		
	Pack List #WIX-KIT-021810		
Evaluation based on delta between Xenos and Sonex model kits.			

NOTE: This checklist is only applicable to fixed wing aircraft. Evaluation of other types of aircraft (i.e., rotorcraft, balloons, lighter than air) will not be accomplished with this form.

NOTE: This checklist is invalid for and will not be used to evaluate an altered or modified type certificated aircraft with the intent to issue an Experimental Amateurbuilt Airworthiness Certificate. Such action violates FAA policy and DOES NOT meet the intent of § 21.191(g).

NOTE: Enter "N/A" in any box where a listed task is not applicable to the particular aircraft being evaluated. Use the "Add item" boxes at the end of each section to add applicable unlisted tasks and award credit.

		A	В	C	D
FAB	FABRICATION AND ASSEMBLY TASKS		Commercial		
			Assistance	Assembly	Fabrication
Task	Fuselage – 24 Listed Tasks				
#					
F1	Fabricate Longitudinal Members	0.1			
F2	Fabricate Composite Cores or Shells, Skins	0.8			
F3	Fabricate Bulkheads or Cross members	0.5			
F4	Fabricate Control Yokes/Sticks	0.9			
F5	Assemble Control Yokes/Sticks	0			
F6	Fabricate Flt Control Push Pull Tubes/Cables	0.8			
F7	Assemble Flt Control Push Pull Tubes/Cables	0			
F8	Assemble Fuselage Basic Structure	0			
F9	Fabricate Brackets and Fittings	0.6			
F10	Assemble Brackets and Fittings	0			
F11	Fabricate Cables, Wire, and Lines	1			
F12	Assemble Cables, Wire, and Lines	0			
F13	Fabricate Fuselage Fuel System Components	N/A			
F14	Assemble Fuselage Fuel System Components	0			
F15	Fabricate Fuselage Covering or Skin	0.7			
F16	Assemble Fuselage Covering or Skin	0			
F17	Fabricate Windshield	0.3			
F18	Assemble Windshield to Fuselage	0			
F19	Fabricate Windows	N/A			
F20	Assemble Windows to Fuselage	N/A			
F21	Fabricate Doors/Canopy	0.3			
F22	Assemble Doors/Canopy to Fuselage	0			
F23	Fabricate Mast and Strut Assembly	N/A			
F24	Assemble Mast and Strut Assembly	N/A			

			A	В	C	D
FAB	FABRICATION AND ASSEMBLY TASKS			Commercial	Am-Builder	Am-Builder
			Component	Assistance	Assembly	Fabrication
F25	Add item:	Fabricate Fuel Tank	0.9			
F26	Add item: Assemble Fuel Tank		0			
F27	Add item: Calibrate Fuel System Components		0			
F28	Add item:	Fabricate Ventral Fin	0.1			
F29	Add item:	Assemble Ventral Fin	0			
Total # of Fuselage Tasks		Fuselage Subtotal	Mfr Kit/Part/ Component	Commercial Assistance	Am-Builder Assembly	Am-Builder Fabrication
	24	Fuselage Total Points	7.0	0.0	0.0	0.0

Fuselage Comments:

- F3 Bulkhead fabrication decreased by .1 for Waiex due to extra extra bulkhead (additional fabrication for the builder) for this aircraft as compared to the Sonex.

 F6 - Flight Ctrl Push-Pull tube fabrication dereased by .1 due to extra mixer bracket (additional fabrication for the builder) for this
- aircraft as compared to the Sonex.
 F15- Decreased by .1 for Waiex due to additional access holes need to be fabricated by the builder.

- F28 Added for Waiex Model F29 Added for Waiex Model

FABRICATION AND ASSEMBLY TASKS			A	В	C	D
A B C D Mfr KitPart/ Commercial Am-Builder Am-Bui	FABI	RICATION AND ASSEMBLY TASKS		Commercial	Am-Builder	Am-Builder
FABRICATION AND ASSEMBLY TASKS			Component	Assistance	Assembly	Fabrication
Mrr Kit/Part/ Commercial Am-Builder Am-Builder Am-Builder Am-Builder Am-Builder Assistance Assembly Fabricat		EADDICATION AND ACCEMBLY TACKS		В	C	D
Task Wings - 51 Listed Tasks ##		FADRICATION AND ASSEMBLT TASKS				
## No	Taal-	Wings 51 Listed Tools	Component	Assistance	Assembly	Fabrication
W1 Fabricate Wing Spars to Wing		Wings – 51 Listed Tasks				
W3 Fabricate Wing Ribs or Cores W4 Assemble Wing Ribs or Cores to Wing W5 Fabricate Composite Cores to Wing W6 Fabricate Composite Cores to Wing W7 Fabricate Composite Cores to Wing W8 Assemble Composite Cores to Wing W8 Assemble Wing Leading & Trailing Edges W8 Assemble Wing Leading & Trailing Edges to Wing W9 Fabricate Drag/Anti-drag Truss Members W10 Assemble Drag/Anti-drag Truss Members to Wing W11 Fabricate Wing Brackets and Fittings U12 Assemble Wing Brackets and Fittings U13 Fabricate Wing Tips to Wing U14 Assemble Wing Tips to Wings U15 Fabricate Special Tools or Fixtures U16 Fabricate Aileron Ribs or Cores U17 Fabricate Aileron Ribs or Cores U18 Assemble Aileron Ribs or Cores to Aileron U19 Assemble Aileron Primary Structure U19 Assemble Aileron Leading and Trailing Edges U20 Fabricate Aileron Brackets and Fittings U21 Assemble Aileron Brackets and Fittings U22 Fabricate Aileron Brackets & Fittings to Aileron U23 Assemble Aileron Brackets & Fittings to Aileron U24 Fabricate Aileron Brackets & Fittings to Aileron U25 Assemble Aileron Brackets & Fittings to Aileron U26 Fabricate Aileron Covering or Skin U27 Assemble Aileron Covering or Skin U28 Assemble Aileron Trim Tab/Roll Trim to Aileron U29 Fabricate Aileron Ribs or Cores U30 Assemble Aileron Trim Tab/Roll Trim to Aileron U30 Assemble Flap Spars to Flap U31 Fabricate Flap Ribs or Cores U32 Assemble Flap Spars to Flap U33 Assemble Flap Patrics to Flap U34 Fabricate Flap Ribs or Cores U35 Assemble Flap Patrics to Flap U36 Assemble Flap Primary Structure U37 Assemble Flap Primary Structure U38 Assemble Flap Primary Structure U39 Fabricate Flap Leading and Trailing Edges U30 Assemble Flap Primary Structure U30		Fabricate Wing Spars	0.4			
W4 Assemble Wing Ribs or Cores to Wing N/A W6 Assemble Composite Cores N/A W6 Assemble Composite Cores to Wing N/A W7 Fabricate Wing Leading and Trailing Edges 0.8 W8 Assemble Wing Leading & Trailing Edges to Wing 0 W9 Fabricate Drag/Anti-drag Truss Members N/A W10 Assemble Drag/Anti-drag Truss Members to Wing N/A W11 Fabricate Wing Brackets and Fittings 0.6 W12 Assemble Wing Brackets and Fittings 0.6 W13 Fabricate Wing Tips 0.8 W14 Assemble Wing Tips to Wings 0 W15 Fabricate Special Tools or Fixtures N/A W16 Fabricate Aileron Spars N/A W17 Fabricate Aileron Bibs or Cores 0.8 W18 Assemble Aileron Ribs or Cores to Aileron 0 W17 Fabricate Aileron Ribs or Cores to Aileron 0 W20 Fabricate Aileron Leading and Trailing Edges N/A W21 Assemble Aileron Leading and Trailing Edges N/A	W2	Assemble Wing Spars to Wing	0			
W4 Assemble Wing Ribs or Cores to Wing W5 Fabricate Composite Cores N/A W6 Assemble Composite Cores to Wing W7 Fabricate Wing Leading and Trailing Edges W8 Assemble Wing Leading and Trailing Edges W8 Assemble Wing Leading & Trailing Edges to Wing W9 Fabricate Drag/Anti-drag Truss Members N/A W10 Assemble Drag/Anti-drag Truss Members to Wing W11 Fabricate Wing Brackets and Fittings 0.6 W12 Assemble Wing Brackets and Fittings 0.7 W13 Fabricate Wing Tips W14 Assemble Wing Tips to Wings 0 O W15 Fabricate Special Tools or Fixtures N/A W16 Fabricate Aileron Ribs or Cores N/A W17 Fabricate Aileron Ribs or Cores 0.8 W18 Assemble Aileron Ribs or Cores 0.8 W19 Assemble Aileron Fimary Structure 0 O W20 Fabricate Aileron Leading and Trailing Edges N/A W21 Assemble Aileron Leading and Trailing Edges N/A W22 Fabricate Aileron Brackets & Fittings to Aileron 0 O W24 Fabricate Aileron Spackets & Fittings to Aileron 0 O W25 Assemble Aileron Covering or Skin to Aileron 0 O W26 Fabricate Aileron Covering or Skin to Aileron 0 O W27 Assemble Aileron Covering or Skin to Aileron 0 O W28 Assemble Aileron Covering or Skin to Aileron N/A W27 Assemble Aileron Tim Tab/Roll Trim to Aileron N/A W28 Assemble Aileron Town Wing 0 O W29 Fabricate Flap Spars N/A W30 Assemble Flap Spars to Flap W31 Fabricate Flap Ribs or Cores 0 O W32 Assemble Flap Pimary Structure 0 O W33 Assemble Flap Pimary Structure 0 O W34 Fabricate Flap Ribs or Cores 0 O W35 Assemble Flap Pimary Structure 0 O W36 Fabricate Flap Leading and Trailing Edges N/A W37 Assemble Flap Pimary Structure 0 O W38 Assemble Flap Pimary Structure 0 O W39 Fabricate Flap Leading and Trailing Edges N/A W30 Fabricate Flap Leading and Trailing Edges N/A W37 Assemble Flap Pimary Structure 0 O W38 Assemble Flap Pimary Structure 0 O W39 Fabricate Flap Covering or Skin 0 O W39 Fabricate Flap Covering or Skin 0 O W39 Fabricate Flap Covering or Skin to Flap 0 O W38 Assemble Flap Pimary Structure 0 O W38 Assemble Flap Pim	W3	Fabricate Wing Ribs or Cores	0.9			
W6 Assemble Composite Cores to Wing W7 Fabricate Wing Leading and Trailing Edges W8 Assemble Wing Leading & Trailing Edges to Wing W8 Assemble Wing Leading & Trailing Edges to Wing W9 Fabricate Drag/Anti-drag Truss Members N/A W10 Assemble Drag/Anti-drag Truss Members to Wing W11 Fabricate Wing Brackets and Fittings 0.6 W12 Assemble Wing Brackets and Fittings to Wing W13 Fabricate Wing Tips 0.8 W14 Assemble Wing Tips to Wings 0 W15 Fabricate Special Tools or Fixtures N/A W16 Fabricate Aileron Ribs or Cores 0.8 W17 Fabricate Aileron Ribs or Cores 0.8 W18 Assemble Aileron Ribs or Cores 0.8 W19 Assemble Aileron Primary Structure 0 W19 Assemble Aileron Primary Structure 0 W10 Assemble Aileron Leading and Trailing Edges N/A W21 Assemble Aileron Brackets and Fittings 0.8 W23 Assemble Aileron Brackets & Fittings to Aileron 0 W24 Fabricate Aileron Brackets & Fittings to Aileron 0 W25 Assemble Aileron Overing or Skin 0.7 W26 Assemble Aileron Covering or Skin to Aileron 0 W27 Assemble Aileron Covering or Skin to Aileron 0 W28 Assemble Aileron Trim Tab/Roll Trim to Aileron N/A W29 Fabricate Flap Spars to Flap N/A W30 Assemble Flap Spars to Flap N/A W31 Fabricate Flap Ribs or Cores 0.8 W32 Assemble Flap Pspars to Flap N/A W33 Assemble Flap Pspars to Flap N/A W34 Fabricate Flap Ribs or Cores 0.8 W35 Assemble Flap Pspars to Flap N/A W36 Fabricate Flap Leading and Trailing Edges N/A N/A N/A W37 Assemble Flap Primary Structure 0 W38 Assemble Flap Primary Structure 0 W39 Fabricate Flap Leading and Trailing Edges N/A N/A N/A W35 Assemble Flap Primary Structure 0 W36 Fabricate Flap Leading and Trailing Edges N/A N/A N/A W37 Assemble Flap Primary Structure 0 W38 Assemble Flap Primary Structure 0 W39 Fabricate Flap Covering or Skin 0.7 W37 Assemble Flap Pirackets and Fittings to Flap 0 W36 Fabricate Flap Covering or Skin 0.7 W37 Assemble Flap Covering or Skin 0.7			0			
W7 Fabricate Wing Leading and Trailing Edges 0.8 W8 Assemble Wing Leading & Trailing Edges to Wing 0 W9 Fabricate Drag/Anti-drag Truss Members N/A W10 Assemble Drag/Anti-drag Truss Members to Wing N/A W11 Fabricate Wing Brackets and Fittings 0.6 W12 Assemble Wing Brackets and Fittings to Wing 0 W13 Fabricate Wing Tips to Wings 0.8 W14 Assemble Wing Tips to Wings 0 W15 Fabricate Special Tools or Fixtures N/A W16 Fabricate Aileron Spars N/A W17 Fabricate Aileron Ribs or Cores 0.8 W18 Assemble Aileron Ribs or Cores to Aileron 0 W19 Assemble Aileron Ribs or Cores to Aileron 0 W20 Fabricate Aileron Primary Structure 0 W21 Assemble Aileron Leading and Trailing Edges N/A W21 Assemble Aileron Brackets and Fittings to Aileron 0 W22 Fabricate Aileron Brackets & Fittings to Aileron 0 W23 Assemble Aileron Brackets & Fittings to Aileron 0 W24 Fabricate Aileron Covering or Skin 0.7 W25 Assemble Aileron Covering or Skin to Aileron 0 W26 Fabricate Aileron Covering or Skin to Aileron N/A W27 Assemble Aileron Trim Tab/Roll Trim to Aileron N/A W28 Assemble Aileron Trim Tab/Roll Trim to Aileron N/A W29 Fabricate Flap Spars N/A W30 Assemble Flap Spars to Flap W31 Fabricate Flap Ribs or Cores W32 Assemble Flap Popars to Flap W33 Assemble Flap Popars to Flap W34 Fabricate Flap Ribs or Cores W35 Assemble Flap Primary Structure 0 W36 Fabricate Flap Ribs or Cores to Flap W37 Assemble Flap Brackets and Fittings to Flap W38 Assemble Flap Ribs or Cores to Flap W39 Fabricate Flap Covering or Skin to Flap W34 Fabricate Flap Covering or Skin to Flap W35 Assemble Flap Brackets and Fittings to Flap W36 Fabricate Flap Covering or Skin to Flap W37 Assemble Flap Covering or Skin to Flap W38 Assemble Flap Covering or Skin to Flap W39 Fabricate Wing External Lighting Components to Wing W30 Assemble Wing Ext Lighting Components to Wing			N/A			
W8 Assemble Wing Leading & Trailing Edges to Wing W9 Fabricate Drag/Anti-drag Truss Members N/A W10 Assemble Drag/Anti-drag Truss Members to Wing W11 Fabricate Wing Brackets and Fittings 0.6 W12 Assemble Wing Brackets and Fittings to Wing 0 W13 Fabricate Wing Tips to Wings 0.8 W14 Assemble Wing Tips to Wings 0.9 W15 Fabricate Special Tools or Fixtures N/A W16 Fabricate Aileron Spars N/A W17 Fabricate Aileron Ribs or Cores 0.8 W18 Assemble Aileron Ribs or Cores to Aileron 0 W19 Assemble Aileron Leading and Trailing Edges N/A W20 Fabricate Aileron Leading and Trailing Edges N/A W21 Assemble Aileron Brackets and Fittings 0.8 W23 Assemble Aileron Brackets & Fittings to Aileron 0 W24 Fabricate Aileron Brackets & Fittings to Aileron 0 W25 Fabricate Aileron Overing or Skin 0.7 W26 Fabricate Aileron Covering or Skin to Aileron 0 W27 Assemble Aileron Covering or Skin to Aileron 0 W28 Fabricate Aileron Roll Trim N/A W29 Assemble Aileron Trim Tab/Roll Trim to Aileron N/A W29 Fabricate Flap Spars N/A W30 Assemble Flap Spars to Flap W30 Assemble Flap Spars to Flap W31 Fabricate Flap Ribs or Cores W32 Assemble Flap Spars to Flap W33 Assemble Flap Ribs or Cores W34 Fabricate Flap Ribs or Cores W35 Assemble Flap Primary Structure 0 W36 Fabricate Flap Leading and Trailing Edges N/A W37 Assemble Flap Primary Structure 0 W38 Assemble Flap Primary Structure 0 W39 Fabricate Flap Leading and Trailing Edges N/A W30 Assemble Flap Primary Structure 0 W34 Fabricate Flap Leading and Trailing Edges N/A W35 Assemble Flap Brackets and Fittings to Flap 0 W36 Fabricate Flap Leading and Trailing Edges N/A W37 Assemble Flap Brackets and Fittings to Flap 0 W38 Assemble Flap Brackets and Fittings to Flap 0 W36 Fabricate Flap Covering or Skin to Flap 0 W37 Assemble Flap Brackets and Fittings to Flap 0 W38 Assemble Flap Covering or Skin to Flap 0 W39 Fabricate Wing External Lighting Components N/A	W6	Assemble Composite Cores to Wing	N/A			
W9 Fabricate Drag/Anti-drag Truss Members N/A W10 Assemble Drag/Anti-drag Truss Members to Wing N/A W11 Fabricate Wing Brackets and Fittings 0 0.6 W12 Assemble Wing Brackets and Fittings to Wing 0 W13 Fabricate Wing Tips 0 0.8 W14 Assemble Wing Tips to Wings 0 W15 Fabricate Special Tools or Fixtures N/A W16 Fabricate Aileron Ribs or Cores N/A W17 Fabricate Aileron Ribs or Cores 0 0.8 W18 Assemble Aileron Ribs or Cores to Aileron 0 W19 Assemble Aileron Primary Structure 0 W20 Fabricate Aileron Leading and Trailing Edges N/A W21 Assemble Aileron Brackets and Fittings 0 0.8 W22 Fabricate Aileron Brackets and Fittings 0 0.8 W23 Assemble Aileron Brackets & Fittings to Aileron 0 W24 Fabricate Aileron Roll Trim N/A W25 Assemble Aileron Covering or Skin 0.7 W26 Fabricate Aileron Roll Trim N/A W27 Assemble Aileron Roll Trim Dirackets Assemble Aileron Roll Trim N/A W28 Assemble Aileron Trim Tab/Roll Trim to Aileron N/A W29 Fabricate Flap Spars N/A W30 Assemble Flap Spars to Flap N/A W30 Assemble Flap Spars to Flap N/A W31 Fabricate Flap Ribs or Cores to Flap 0 W33 Assemble Flap Ribs or Cores to Flap 0 W34 Fabricate Flap Ribs or Cores to Flap 0 W35 Assemble Flap Pimary Structure 0 W36 Fabricate Flap Ribs or Cores to Flap 0 W37 Assemble Flap Ribs or Cores to Flap 0 W38 Assemble Flap Pimary Structure 0 W39 Fabricate Flap Covering or Skin to Flap 0 W30 Assemble Flap Ribs or Cores to Flap 0 W31 Fabricate Flap Leading and Trailing Edges N/A W35 Assemble Flap Pimary Structure 0 W36 Fabricate Flap Covering or Skin to Flap 0 W37 Assemble Flap Brackets and Fittings to Flap 0 W38 Assemble Flap Brackets and Fittings to Flap 0 W39 Fabricate Flap Covering or Skin to Flap 0 W39 Fabricate Flap Covering or Skin to Flap 0 W39 Fabricate Wing External Lighting Components N/A W40 Assemble Wing Ext Lighting Components to Wing N/A	W7	Fabricate Wing Leading and Trailing Edges	0.8			
W10 Assemble Drag/Anti-drag Truss Members to Wing N/A W11 Fabricate Wing Brackets and Fittings 0.6 W12 Assemble Wing Brackets and Fittings to Wing 0 W13 Fabricate Wing Tips 0.8 W14 Assemble Wing Tips to Wings 0 W15 Fabricate Special Tools or Fixtures N/A W16 Fabricate Aileron Spars N/A W17 Fabricate Aileron Ribs or Cores 0.8 W18 Assemble Aileron Ribs or Cores to Aileron 0 W19 Assemble Aileron Ribs or Cores to Aileron 0 W20 Fabricate Aileron Leading and Trailing Edges N/A W21 Assemble Aileron Leading and Trailing Edges N/A W22 Fabricate Aileron Brackets and Fittings 0.8 W23 Assemble Aileron Brackets & Fittings to Aileron 0 W24 Fabricate Aileron Rowering or Skin 0.7 W25 Assemble Aileron Covering or Skin to Aileron 0 W26 Fabricate Aileron Roll Trim N/A W27 Assemble Aileron Trim Tab/Roll Trim to Aileron N/A W28 Assemble Aileron to Wing 0 W29 Pabricate Flap Spars to Flap N/A W30 Assemble Flap Spars to Flap 0			0			
W10 Assemble Drag/Anti-drag Truss Members to Wing N/A W11 Fabricate Wing Brackets and Fittings 0.6 W12 Assemble Wing Brackets and Fittings to Wing 0 W13 Fabricate Wing Tips 0.8 W14 Assemble Wing Tips to Wings 0 W15 Fabricate Special Tools or Fixtures N/A W16 Fabricate Aileron Spars N/A W17 Fabricate Aileron Ribs or Cores 0.8 W18 Assemble Aileron Ribs or Cores to Aileron 0 W19 Assemble Aileron Ribs or Cores to Aileron 0 W20 Fabricate Aileron Leading and Trailing Edges N/A W21 Assemble Aileron Leading and Trailing Edges N/A W22 Fabricate Aileron Brackets and Fittings 0.8 W23 Assemble Aileron Brackets & Fittings to Aileron 0 W24 Fabricate Aileron Covering or Skin 0.7 W25 Assemble Aileron Towering or Skin to Aileron 0 W26 Fabricate Aileron Roll Trim N/A W27 Assemble Aileron Trim Tab/Roll Trim to Aileron N/A W28 Assemble Aileron to Wing 0 W29 Pabricate Flap Spars N/A W30 Assemble Flap Spars to Flap 0			N/A		1	
W11 Fabricate Wing Brackets and Fittings 0.6 W12 Assemble Wing Brackets and Fittings to Wing 0 W13 Fabricate Wing Tips 0.8 W14 Assemble Wing Tips to Wings 0 W15 Fabricate Special Tools or Fixtures N/A W16 Fabricate Aileron Spars N/A W17 Fabricate Aileron Ribs or Cores 0.8 W18 Assemble Aileron Ribs or Cores to Aileron 0 W19 Assemble Aileron Primary Structure 0 W20 Fabricate Aileron Leading and Trailing Edges N/A W21 Assemble Aileron Leading and Trailing Edges N/A W22 Fabricate Aileron Brackets and Fittings 0.8 W23 Assemble Aileron Brackets & Fittings to Aileron 0 W24 Fabricate Aileron Brackets & Fittings to Aileron 0 W25 Assemble Aileron Covering or Skin 0.7 W26 Fabricate Aileron Roll Trim N/A W27 Assemble Aileron Trim Tab/Roll Trim to Aileron N/A W28 Assemble Aileron Trim Tab/Roll Trim to Aileron N/A W29 Pabricate Flap Spars N/A W30 Assemble Flap Spars to Flap N/A W31 Fabricate Flap Ribs or Cores 0.8 </td <td>W10</td> <td>Assemble Drag/Anti-drag Truss Members to Wing</td> <td></td> <td></td> <td>1</td> <td></td>	W10	Assemble Drag/Anti-drag Truss Members to Wing			1	
W12 Assemble Wing Brackets and Fittings to Wing 0 W13 Fabricate Wing Tips 0.8 W14 Assemble Wing Tips to Wings 0 W15 Fabricate Special Tools or Fixtures N/A W16 Fabricate Aileron Ribs or Cores 0.8 W17 Fabricate Aileron Ribs or Cores to Aileron 0 W19 Assemble Aileron Primary Structure 0 W20 Fabricate Aileron Leading and Trailing Edges N/A W21 Assemble Aileron Leading and Trailing Edges N/A W22 Fabricate Aileron Brackets and Fittings 0.8 W23 Assemble Aileron Brackets & Fittings to Aileron 0 W24 Fabricate Aileron Covering or Skin 0.7 W25 Fabricate Aileron Covering or Skin to Aileron 0 W26 Fabricate Aileron Roll Trim N/A W27 Assemble Aileron Rovering or Skin to Aileron 0 W28 Assemble Aileron Trim Tab/Roll Trim to Aileron 0 W29 Fabricate Flap Spars N/A W30 Assemble Aileron to Wing 0 W29 Fabricate Flap Spars to Flap N/A W30 Assemble Flap Ribs or Cores 0.8 W32 Assemble Flap Ribs or Cores to Flap 0					1	
W13 Fabricate Wing Tips 0.8 W14 Assemble Wing Tips to Wings 0 W15 Fabricate Special Tools or Fixtures N/A W16 Fabricate Aileron Spars N/A W17 Fabricate Aileron Ribs or Cores 0.8 W18 Assemble Aileron Ribs or Cores to Aileron 0 W19 Assemble Aileron Primary Structure 0 W20 Fabricate Aileron Leading and Trailing Edges N/A W21 Assemble Aileron Leading and Trailing Edges N/A W22 Fabricate Aileron Brackets and Fittings 0.8 W23 Assemble Aileron Brackets & Fittings to Aileron 0 W24 Fabricate Aileron Brackets & Fittings to Aileron 0 W24 Fabricate Aileron Covering or Skin 0.7 W25 Assemble Aileron Covering or Skin to Aileron 0 W26 Fabricate Aileron Roll Trim N/A W27 Assemble Aileron Trim Tab/Roll Trim to Aileron N/A W28 Assemble Aileron to Wing 0 W29 Fabricate Flap Spars to Flap N/A W30 Assemble Flap Robs or Cores 0.8					1	
W14 Assemble Wing Tips to Wings 0 W15 Fabricate Special Tools or Fixtures N/A W16 Fabricate Aileron Spars N/A W17 Fabricate Aileron Ribs or Cores 0.8 W18 Assemble Aileron Ribs or Cores to Aileron 0 W19 Assemble Aileron Primary Structure 0 W20 Fabricate Aileron Leading and Trailing Edges N/A W21 Assemble Aileron Leading and Trailing Edges N/A W22 Fabricate Aileron Brackets and Fittings 0.8 W23 Assemble Aileron Brackets & Fittings to Aileron 0 W24 Fabricate Aileron covering or Skin 0.7 W25 Assemble Aileron Covering or Skin to Aileron 0 W26 Fabricate Aileron Roll Trim N/A W27 Assemble Aileron Trim Tab/Roll Trim to Aileron N/A W28 Assemble Aileron to Wing 0 W29 Fabricate Flap Spars N/A W30 Assemble Flap Ribs or Cores 0.8 W31 Fabricate Flap Ribs or Cores to Flap 0 W32 Assemble Flap Ribs or Cores to Flap 0 W33 Assemble Flap Brackets and Fittings to Flap 0 W34 Fabricate Flap Leading and Trailing Edges N/A <td></td> <td><u> </u></td> <td></td> <td></td> <td>1</td> <td></td>		<u> </u>			1	
W15 Fabricate Special Tools or Fixtures N/A W16 Fabricate Aileron Spars N/A W17 Fabricate Aileron Ribs or Cores 0.8 W18 Assemble Aileron Ribs or Cores to Aileron 0 W19 Assemble Aileron Primary Structure 0 W20 Fabricate Aileron Leading and Trailing Edges N/A W21 Assemble Aileron Leading and Trailing Edges N/A W22 Fabricate Aileron Brackets and Fittings 0.8 W23 Assemble Aileron Brackets & Fittings to Aileron 0 W24 Fabricate Aileron Covering or Skin 0.7 W25 Assemble Aileron Covering or Skin to Aileron 0 W26 Fabricate Aileron Roll Trim N/A W27 Assemble Aileron Trim Tab/Roll Trim to Aileron N/A W28 Assemble Aileron to Wing 0 W29 Pabricate Flap Spars N/A W30 Assemble Flap Spars to Flap N/A W31 Fabricate Flap Ribs or Cores 0.8 W32 Assemble Flap Ribs or Cores to Flap 0 W33 Assemble Flap Brackets and Fittings to Flap 0 </td <td></td> <td></td> <td>0</td> <td></td> <td>1</td> <td></td>			0		1	
W16 Fabricate Aileron Spars N/A W17 Fabricate Aileron Ribs or Cores 0.8 W18 Assemble Aileron Ribs or Cores to Aileron 0 W19 Assemble Aileron Primary Structure 0 W20 Fabricate Aileron Leading and Trailing Edges N/A W21 Assemble Aileron Leading and Trailing Edges N/A W22 Fabricate Aileron Brackets and Fittings 0.8 W23 Assemble Aileron Brackets & Fittings to Aileron 0 W24 Fabricate Aileron covering or Skin 0.7 W25 Assemble Aileron Covering or Skin to Aileron 0 W26 Fabricate Aileron Roll Trim N/A W27 Assemble Aileron to Wing 0 W28 Assemble Aileron to Wing 0 W29 Pabricate Flap Spars N/A W30 Assemble Flap Spars to Flap N/A W31 Fabricate Flap Ribs or Cores 0.8 W32 Assemble Flap Ribs or Cores to Flap 0 W33 Assemble Flap Brackets and Fittings to Flap 0 W34 Fabricate Flap Leading and Trailing Edges N/A			N/A		1	
W17 Fabricate Aileron Ribs or Cores W18 Assemble Aileron Ribs or Cores to Aileron W19 Assemble Aileron Primary Structure W20 Fabricate Aileron Leading and Trailing Edges N/A W21 Assemble Aileron Leading and Trailing Edges N/A W22 Fabricate Aileron Brackets and Fittings 0.8 W23 Assemble Aileron Brackets & Fittings to Aileron 0 W24 Fabricate Aileron Brackets & Fittings to Aileron 0 W25 Assemble Aileron Covering or Skin 0.7 W26 Fabricate Aileron Roll Trim N/A W27 Assemble Aileron Trim Tab/Roll Trim to Aileron N/A W28 Assemble Aileron to Wing 0 W29 Fabricate Flap Spars N/A W30 Assemble Flap Spars to Flap N/A W31 Fabricate Flap Ribs or Cores 0.8 W32 Assemble Flap Ribs or Cores 0.8 W33 Assemble Flap Ribs or Cores to Flap 0 W34 Fabricate Flap Leading and Trailing Edges N/A W35 Assemble Flap Brackets and Fittings to Flap 0 W36 Fabricate Flap Covering or Skin 0.7 W37 Assemble Flap Covering or Skin to Flap 0 W38 Assemble Flap Covering or Skin to Flap 0 W39 Fabricate Wing External Lighting Components N/A W40 Assemble Wing Ext Lighting Components to Wing N/A					1	
W18 Assemble Aileron Ribs or Cores to Aileron 0 W19 Assemble Aileron Primary Structure 0 W20 Fabricate Aileron Leading and Trailing Edges N/A W21 Assemble Aileron Leading and Trailing Edges N/A W22 Fabricate Aileron Brackets and Fittings 0.8 W23 Assemble Aileron Brackets & Fittings to Aileron 0 W24 Fabricate Aileron Covering or Skin 0.7 W25 Assemble Aileron Covering or Skin to Aileron 0 W26 Fabricate Aileron Roll Trim N/A W27 Assemble Aileron to Wing 0 W28 Assemble Aileron to Wing 0 W29 Fabricate Flap Spars N/A W30 Assemble Flap Spars to Flap N/A W30 Assemble Flap Spars to Flap N/A W31 Fabricate Flap Ribs or Cores 0.8 W32 Assemble Flap Ribs or Cores to Flap 0 W33 Assemble Flap Leading and Trailing Edges N/A W34 Fabricate Flap Leading and Trailing Edges N/A W35 Assemble Flap Brackets and Fittings to Flap 0		-			1	
W19 Assemble Aileron Primary Structure 0 W20 Fabricate Aileron Leading and Trailing Edges N/A W21 Assemble Aileron Leading and Trailing Edges N/A W22 Fabricate Aileron Brackets and Fittings 0.8 W23 Assemble Aileron Brackets & Fittings to Aileron 0 W24 Fabricate Aileron Covering or Skin 0.7 W25 Assemble Aileron Covering or Skin to Aileron 0 W26 Fabricate Aileron Roll Trim N/A W27 Assemble Aileron Trim Tab/Roll Trim to Aileron N/A W28 Assemble Aileron to Wing 0 W29 Fabricate Flap Spars N/A W30 Assemble Flap Spars to Flap N/A W30 Assemble Flap Ribs or Cores 0.8 W31 Fabricate Flap Ribs or Cores to Flap 0 W32 Assemble Flap Primary Structure 0 W33 Assemble Flap Leading and Trailing Edges N/A W34 Fabricate Flap Leading and Trailing Edges N/A W35 Assemble Flap Brackets and Fittings to Flap 0 W36 Fabricate Flap Covering or Skin to Flap	W18	Assemble Aileron Ribs or Cores to Aileron			1	
W20Fabricate Aileron Leading and Trailing EdgesN/AW21Assemble Aileron Leading and Trailing EdgesN/AW22Fabricate Aileron Brackets and Fittings0.8W23Assemble Aileron Brackets & Fittings to Aileron0W24Fabricate Aileron covering or Skin0.7W25Assemble Aileron Covering or Skin to Aileron0W26Fabricate Aileron Roll TrimN/AW27Assemble Aileron Trim Tab/Roll Trim to AileronN/AW28Assemble Aileron to Wing0W29Fabricate Flap SparsN/AW30Assemble Flap Spars to FlapN/AW31Fabricate Flap Ribs or Cores0.8W32Assemble Flap Ribs or Cores to Flap0W33Assemble Flap Primary Structure0W34Fabricate Flap Leading and Trailing EdgesN/AW35Assemble Flap Brackets and Fittings to Flap0W36Fabricate Flap Covering or Skin0.7W37Assemble Flap Covering or Skin to Flap0W38Assemble Flaps to Wing0W39Fabricate Wing External Lighting ComponentsN/AW40Assemble Wing Ext Lighting Components to WingN/A					1	
W21Assemble Aileron Leading and Trailing EdgesN/AW22Fabricate Aileron Brackets and Fittings0.8W23Assemble Aileron Brackets & Fittings to Aileron0W24Fabricate Aileron covering or Skin0.7W25Assemble Aileron Covering or Skin to Aileron0W26Fabricate Aileron Roll TrimN/AW27Assemble Aileron Trim Tab/Roll Trim to AileronN/AW28Assemble Aileron to Wing0W29Fabricate Flap SparsN/AW30Assemble Flap Spars to FlapN/AW31Fabricate Flap Ribs or Cores0.8W32Assemble Flap Ribs or Cores to Flap0W33Assemble Flap Primary Structure0W34Fabricate Flap Leading and Trailing EdgesN/AW35Assemble Flap Brackets and Fittings to Flap0W36Fabricate Flap Covering or Skin0.7W37Assemble Flap Covering or Skin to Flap0W38Assemble Flaps to Wing0W39Fabricate Wing External Lighting ComponentsN/AW40Assemble Wing Ext Lighting Components to WingN/A			N/A		1	
W22Fabricate Aileron Brackets and Fittings0.8W23Assemble Aileron Brackets & Fittings to Aileron0W24Fabricate Aileron covering or Skin0.7W25Assemble Aileron Covering or Skin to Aileron0W26Fabricate Aileron Roll TrimN/AW27Assemble Aileron Trim Tab/Roll Trim to AileronN/AW28Assemble Aileron to Wing0W29Fabricate Flap SparsN/AW30Assemble Flap Spars to FlapN/AW31Fabricate Flap Ribs or Cores0.8W32Assemble Flap Ribs or Cores to Flap0W33Assemble Flap Primary Structure0W34Fabricate Flap Leading and Trailing EdgesN/AW35Assemble Flap Brackets and Fittings to Flap0W36Fabricate Flap Covering or Skin0.7W37Assemble Flap Covering or Skin to Flap0W38Assemble Flaps to Wing0W39Fabricate Wing External Lighting ComponentsN/AW40Assemble Wing Ext Lighting Components to WingN/A					1	
W23Assemble Aileron Brackets & Fittings to Aileron0W24Fabricate Aileron covering or Skin0.7W25Assemble Aileron Covering or Skin to Aileron0W26Fabricate Aileron Roll TrimN/AW27Assemble Aileron Trim Tab/Roll Trim to AileronN/AW28Assemble Aileron to Wing0W29Fabricate Flap SparsN/AW30Assemble Flap Spars to FlapN/AW31Fabricate Flap Ribs or Cores0.8W32Assemble Flap Ribs or Cores to Flap0W33Assemble Flap Primary Structure0W34Fabricate Flap Leading and Trailing EdgesN/AW35Assemble Flap Brackets and Fittings to Flap0W36Fabricate Flap Covering or Skin0.7W37Assemble Flap Covering or Skin to Flap0W38Assemble Flaps to Wing0W39Fabricate Wing External Lighting ComponentsN/AW40Assemble Wing Ext Lighting Components to WingN/A					1	
W24Fabricate Aileron covering or Skin0.7W25Assemble Aileron Covering or Skin to Aileron0W26Fabricate Aileron Roll TrimN/AW27Assemble Aileron Trim Tab/Roll Trim to AileronN/AW28Assemble Aileron to Wing0W29Fabricate Flap SparsN/AW30Assemble Flap Spars to FlapN/AW31Fabricate Flap Ribs or Cores0.8W32Assemble Flap Ribs or Cores to Flap0W33Assemble Flap Primary Structure0W34Fabricate Flap Leading and Trailing EdgesN/AW35Assemble Flap Brackets and Fittings to Flap0W36Fabricate Flap Covering or Skin0.7W37Assemble Flap Covering or Skin to Flap0W38Assemble Flaps to Wing0W39Fabricate Wing External Lighting ComponentsN/AW40Assemble Wing Ext Lighting Components to WingN/A					1	
W25Assemble Aileron Covering or Skin to Aileron0W26Fabricate Aileron Roll TrimN/AW27Assemble Aileron Trim Tab/Roll Trim to AileronN/AW28Assemble Aileron to Wing0W29Fabricate Flap SparsN/AW30Assemble Flap Spars to FlapN/AW31Fabricate Flap Ribs or Cores0.8W32Assemble Flap Ribs or Cores to Flap0W33Assemble Flap Primary Structure0W34Fabricate Flap Leading and Trailing EdgesN/AW35Assemble Flap Brackets and Fittings to Flap0W36Fabricate Flap Covering or Skin0.7W37Assemble Flap Covering or Skin to Flap0W38Assemble Flaps to Wing0W39Fabricate Wing External Lighting ComponentsN/AW40Assemble Wing Ext Lighting Components to WingN/A					1	
W26Fabricate Aileron Roll TrimN/AW27Assemble Aileron Trim Tab/Roll Trim to AileronN/AW28Assemble Aileron to Wing0W29Fabricate Flap SparsN/AW30Assemble Flap Spars to FlapN/AW31Fabricate Flap Ribs or Cores0.8W32Assemble Flap Ribs or Cores to Flap0W33Assemble Flap Primary Structure0W34Fabricate Flap Leading and Trailing EdgesN/AW35Assemble Flap Brackets and Fittings to Flap0W36Fabricate Flap Covering or Skin0.7W37Assemble Flap Covering or Skin to Flap0W38Assemble Flaps to Wing0W39Fabricate Wing External Lighting ComponentsN/AW40Assemble Wing Ext Lighting Components to WingN/A					1	
W27Assemble Aileron Trim Tab/Roll Trim to AileronN/AW28Assemble Aileron to Wing0W29Fabricate Flap SparsN/AW30Assemble Flap Spars to FlapN/AW31Fabricate Flap Ribs or Cores0.8W32Assemble Flap Ribs or Cores to Flap0W33Assemble Flap Primary Structure0W34Fabricate Flap Leading and Trailing EdgesN/AW35Assemble Flap Brackets and Fittings to Flap0W36Fabricate Flap Covering or Skin0.7W37Assemble Flap Covering or Skin to Flap0W38Assemble Flaps to Wing0W39Fabricate Wing External Lighting ComponentsN/AW40Assemble Wing Ext Lighting Components to WingN/A		-			1	
W28Assemble Aileron to Wing0W29Fabricate Flap SparsN/AW30Assemble Flap Spars to FlapN/AW31Fabricate Flap Ribs or Cores0.8W32Assemble Flap Ribs or Cores to Flap0W33Assemble Flap Primary Structure0W34Fabricate Flap Leading and Trailing EdgesN/AW35Assemble Flap Brackets and Fittings to Flap0W36Fabricate Flap Covering or Skin0.7W37Assemble Flap Covering or Skin to Flap0W38Assemble Flaps to Wing0W39Fabricate Wing External Lighting ComponentsN/AW40Assemble Wing Ext Lighting Components to WingN/A	W27	Assemble Aileron Trim Tab/Roll Trim to Aileron			1	
W30Assemble Flap Spars to FlapN/AW31Fabricate Flap Ribs or Cores0.8W32Assemble Flap Ribs or Cores to Flap0W33Assemble Flap Primary Structure0W34Fabricate Flap Leading and Trailing EdgesN/AW35Assemble Flap Brackets and Fittings to Flap0W36Fabricate Flap Covering or Skin0.7W37Assemble Flap Covering or Skin to Flap0W38Assemble Flaps to Wing0W39Fabricate Wing External Lighting ComponentsN/AW40Assemble Wing Ext Lighting Components to WingN/A	W28	Assemble Aileron to Wing			1	
W30Assemble Flap Spars to FlapN/AW31Fabricate Flap Ribs or Cores0.8W32Assemble Flap Ribs or Cores to Flap0W33Assemble Flap Primary Structure0W34Fabricate Flap Leading and Trailing EdgesN/AW35Assemble Flap Brackets and Fittings to Flap0W36Fabricate Flap Covering or Skin0.7W37Assemble Flap Covering or Skin to Flap0W38Assemble Flaps to Wing0W39Fabricate Wing External Lighting ComponentsN/AW40Assemble Wing Ext Lighting Components to WingN/A	W29	Fabricate Flap Spars	N/A		1	
W31Fabricate Flap Ribs or Cores0.8W32Assemble Flap Ribs or Cores to Flap0W33Assemble Flap Primary Structure0W34Fabricate Flap Leading and Trailing EdgesN/AW35Assemble Flap Brackets and Fittings to Flap0W36Fabricate Flap Covering or Skin0.7W37Assemble Flap Covering or Skin to Flap0W38Assemble Flaps to Wing0W39Fabricate Wing External Lighting ComponentsN/AW40Assemble Wing Ext Lighting Components to WingN/A		* *	N/A		1	
W33Assemble Flap Primary Structure0W34Fabricate Flap Leading and Trailing EdgesN/AW35Assemble Flap Brackets and Fittings to Flap0W36Fabricate Flap Covering or Skin0.7W37Assemble Flap Covering or Skin to Flap0W38Assemble Flaps to Wing0W39Fabricate Wing External Lighting ComponentsN/AW40Assemble Wing Ext Lighting Components to WingN/A			0.8		1	
W34Fabricate Flap Leading and Trailing EdgesN/AW35Assemble Flap Brackets and Fittings to Flap0W36Fabricate Flap Covering or Skin0.7W37Assemble Flap Covering or Skin to Flap0W38Assemble Flaps to Wing0W39Fabricate Wing External Lighting ComponentsN/AW40Assemble Wing Ext Lighting Components to WingN/A					1	
W35Assemble Flap Brackets and Fittings to Flap0W36Fabricate Flap Covering or Skin0.7W37Assemble Flap Covering or Skin to Flap0W38Assemble Flaps to Wing0W39Fabricate Wing External Lighting ComponentsN/AW40Assemble Wing Ext Lighting Components to WingN/A	W33	Assemble Flap Primary Structure	0		1	
W35Assemble Flap Brackets and Fittings to Flap0W36Fabricate Flap Covering or Skin0.7W37Assemble Flap Covering or Skin to Flap0W38Assemble Flaps to Wing0W39Fabricate Wing External Lighting ComponentsN/AW40Assemble Wing Ext Lighting Components to WingN/A	W34	Fabricate Flap Leading and Trailing Edges	N/A]	
W37 Assemble Flap Covering or Skin to Flap 0 W38 Assemble Flaps to Wing 0 W39 Fabricate Wing External Lighting Components N/A W40 Assemble Wing Ext Lighting Components to Wing N/A						
W37 Assemble Flap Covering or Skin to Flap 0 W38 Assemble Flaps to Wing 0 W39 Fabricate Wing External Lighting Components N/A W40 Assemble Wing Ext Lighting Components to Wing N/A	W36	Fabricate Flap Covering or Skin	0.7]	
W38 Assemble Flaps to Wing 0 W39 Fabricate Wing External Lighting Components N/A W40 Assemble Wing Ext Lighting Components to Wing N/A			0		1	
W40 Assemble Wing Ext Lighting Components to Wing N/A			0]	
W40 Assemble Wing Ext Lighting Components to Wing N/A	W39	Fabricate Wing External Lighting Components	N/A]	
<u> </u>					1	
W41 Assemble Basic Wing Structure 0					1	
W42 Fabricate Wing Fuel System Components N/A			N/A		1	
W43 Assemble Wing Fuel System Components to Wing N/A					1	
W44 Fabricate Cables Wires and Lines N/A			+		1	

			A	В	C	D
FAB	FABRICATION AND ASSEMBLY TASKS		Mfr Kit/Part/	Commercial	Am-Builder	Am-Builder
			Component	Assistance	Assembly	Fabrication
W45	Assemble (Cables Wires and Lines to Wing	0			
W46	Fabricate V	Ving Covering or Skin	0.8			
W47	Assemble \	Wing Covering or Skin to Wing	0			
W48	Fabricate V	Ving Struts/Wires	N/A			
W49	9 Fabricate Fuel Tank		N/A			
W50	Assemble l	Fuel Tank to Wing	N/A			
W51	Calibrate F	Tuel System Components	N/A			
W52	Add item:	Fabricate Flap Brackets and Fittings	0.8			
W53	Add Item:					
W57	Add item:					
To	otal # of		Mfr Kit/Part/	Commercial	Am-Builder	Am-Builder
	ng Tasks	Wings Subtotal	Component	Assistance	Assembly	Fabrication
	30	Wings Total Points ▶	8.9	0	0	0

Wing Comments: No changes made as compared to the previously evaluated Sonex model.

		A	В	C	D
FAB]	RICATION AND ASSEMBLY TASKS	Mfr Kit/Part/	Commercial		Am-Builder
			Assistance	Assembly	Fabrication
	FABRICATION AND ASSEMBLY TASKS	A	В	C	D
	FADMICATION AND ASSEMBLI TASKS	Mfr Kit/Part/	Commercial		
Tasl	Empones 571 stad Task-	Component	Assistance	Assembly	Fabrication
Task #	Empennage – 57 Listed Tasks				
E1	Fabricate Horizontal Stabilizer Spars	N/A		Not used di	ue to "Y" tail
E2	Assemble Horizontal Stabilizer Spar(s) to Stabilizer	N/A			ue to "Y" tail
E3	Fabricate Horizantil Stabilizar Ribs or Cores	N/A			ue to "Y" tail
E4	Assemble Horizontal Stabilizer Ribs or Cores to Stabilizer	N/A		Not used do	ue to "Y" tail
E5	Fabricate Horizontal Stabilizer Leading and Trailing Edge	N/A		Not used do	ue to "Y" tail
E6	Assemble Horizontal Stabilizer Leading and Trailing Edges- to-Stabilizer	N/A			ue to "Y" tail
E7	Fabricate Horizontal Stabilizer Brackets & Fittings	N/A			ue to "Y" tail
	Assemble Horizontal Stabilizer Brackets and Fittings to			NOT USEU UI	uo to i tali
E8	Stabilizer	N/A			ue to "Y" tail
	Assemble Horizontal Stabilizer Structure	N/A		Not used do	ue to "Y" tail
E10	Fabricate Horizontal Stabilizer Lead/Trailing Edges	N/A		Not used di	ue to "Y" tail
E11	Assemble Horizontal Stabilizer Lead/Trailing Edges to Stabilizer	N/A	Not used due to "Y" tail		
E12	Fabricate Horizontal Stabilizer Cables, Wires and Lines	N/A	Not used due to "Y" ta		
E13	Assemble Horizontal Stabilizer Cables, Wires and Lines to stabilizer	N/A			ue to "Y" tail
E14	Fabricate Horizontal Stabilizer Empennage Covering or Skin	N/A			ue to "Y" tail
E15	Assemble Horizontal Stabilizer Empennage Covering or Skin to Stabilizer	N/A			ue to "Y" tail
E16	Assemble Horizontal Stabilizer Structure to Fuselage	N/A			ue to "Y" tail
	Fabricate Elevator Spars	N/A		4504 41	
	Assemble Elevator Spars to Elevator	N/A			
	Fabricate Elevator Ribs Cores	0.8			
	Assemble Elevator Ribs Cores to Elevator	0			
	Assemble Elevator Structure	0			
	Fabricate Elevator Leading and Trailing Edge	N/A			
	Assemble Elevator Leading and Trailing Edges to Elevator	N/A			
	Fabricate Elevator Brackets and Fittings	0.8			
	Assemble Elevator Brackets and fittings to Elevator	0			
	Fabricate Elevator Covering or Skins	0.7			
	Assemble Elevator Covering or Skins to Elevator	0			
	Fabricate Elevator trim Tab	N/A			
E29	Assemble Elevator Trim Tab to Elevator	N/A			
E30	Fabricate Special Tools or Fixtures	N/A			
E31	Fabricate Vertical Stabilizer Spars	0.5			
E32	Assemble Vertical Stabilizer Spar to the Vertical Stabilizer	0			
E33	Fabricate Vertical Stabilizer Ribs Cores	0.1			
E34	Assemble Ribs Cores to Vertical Stabilizer	0			
E35	Fabricate Vertical Stabilizer Leading/Trailing Edges	N/A			
E36	Assemble Leading and Trailing Edges to Vertical Stabilizer	N/A			
E37	Fabricate Vertical Stabilizer Brackets and Fittings	0.4			

			A	В	C	D
FAB]	RICATIO	N AND ASSEMBLY TASKS	Mfr Kit/Part/	Commercial		
			Component	Assistance	Assembly	Fabrication
		brackets and Fittings to Vertical Stabilizer	0			
		Vertical Stabilizer Cables, Wires, Lines	1			
E40	Assemble (Cables, Wires, Lines to Vertical Stabilizer	0			
E41	Fabricate V	Vertical Stabilizer Covering or Skin	0.8			
E42	Assemble Stabilizer	Vertical Stabilizer Covering or Skin to Vertical	0			
E43	Assemble '	Vertical Stabilizer Structure to Fuselage	0			
E44	Fabricate R	Rudder Spar	N/A			
E45	Assemble l	Rudder Spar to Rudder	N/A			
E46	Fabricate R	Rudder Ribs or Cores	0.8			
E47	Assemble 1	Rudder Ribs or Cores to Rudder	0			
E48	Assemble 1	Rudder Structure	0			
E49	Fabricate R	Rudder Leading and Trailing Edge	N/A			
E50	Assemble 1	Rudder Leading and Trailing Edge to Rudder	N/A			
E51	Fabricate R	Rudder Brackets and Fittings	0.7			
E52	Assemble 1	Rudder Brackets and Fittings to Rudder	0			
E53	Fabricate R	Rudder Covering or Skin	0.7			
E54	Assemble 1	Rudder Covering or Skin to Rudder	0			
E55	Fabricate R	Rudder Trim Tab	0.8			
E56	Assemble l	Rudder Trim Tab to Rudder	0			
E57	Assemble l	Rudder to Vertical Stabilizer	0			
E58	Add Item:	Fabricate Vertical Stabilizer Tips	0.8			
E59	Add Item:	Assemble Vertical Stabilizer Tips	0			
E60	Add item:					
Em	otal # of pennage Fasks	Empennage Subtotal	Mfr Kit/Part/ Component	Commercial Assistance	Am-Builder Assembly	Am-Builder Fabrication
	30	Empennage Total Points ►	8.9	0	0	0

Empennage Comments:
Waiex "Y" tail was totaled under the Vertical Stab. The Horisontal sections shove have been given an "N/A".
E24 has been decreased by .1 (as compared to the Sonex) due to the additional "brackets" used in the Waiex.
E39/E40 Changed for the Pitot Port placement.

			A	В	C	D
FABRICATION AND ASSEMBLY TASKS		Mfr Kit/Part/	Commercial	Am-Builder	Am-Builder	
			Component	Assistance	Assembly	Fabrication
	EADDI	CATION AND ASSEMBLY TASKS	A	В	C	D
	FABRICATION AND ASSEMBLY TASKS			Commercial	Am-Builder	
			Component	Assistance	Assembly	Fabrication
Task #		ding Gear – 12 Listed Tasks				
LG1	Fabricate S	Struts	0.8			
LG2	Fabricate E	Brake System Components	0.9			
		Landing Gear Actuation System Components	N/A			
LG4	Fabricate I	Landing Gear System Cables, Wires and Lines	0.9			
LG5	Assemble '	Wheels	0			
LG6	Assemble 1	Brakes, Tires	0			
LG7	Assemble 1	Landing Gear	0			
LG8	Assemble Landing Gear System Components Next Level Structure		0			
LG9	Align Land	ding Gear	0			
LG10	Fabricate I	Landing Gear Fairings/Gear Doors	0.4			
LG11	Assemble I Structure	Landing Gear Fairings/Gear Doors to Next Level	0			
LG12	Perform La Emergency	anding Gear Operational Check (Normal, y Systems)	N/A			
LG13	Add item:	Fabricate Landing Gear Brackets and Fittings	0.7			
LG14	Add item:	Assemble Landing Ggear Brackets and Fittings	0			
LG15	Add item:					
LG16	Add item:					
То	tal # of		Mfr Kit/Part/	Commercial	Am-Builder	Am-Builder
Laı	nd Gear	Landing Gear Subtotal	Component	Assistance	Assembly	Fabrication
7	Γasks		Component	11001010100	7155CIII01y	1 dolledtion
	12	Landing Gear Total Points ▶	3.7	0	0	0

Landing Gear Comments: No changes made as compared to the previously evaluated Sonex model.

			A	В	C	D
FABRICATIO		N AND ASSEMBLY TASKS	Mfr Kit/Part/	Commercial	Am-Builder	Am-Builder
		Component	Assistance	Assembly	Fabrication	
	EADD	AGA TYON AND A GGYNGDYN TA GWG	A	В	C	D
	FABR	CICATION AND ASSEMBLY TASKS	Mfr Kit/Part/	Commercial	Am-Builder	Am-Builder
			Component	Assistance	Assembly	Fabrication
Task #	Pro	opulsion – 27 Listed Tasks				
	Fabricate E	Engine Mounts	0.9			
P2		Engine Mounts to Next Level Structure	0			
P3		Engine Cooling System/Baffles	N/A			
P4		Engine Cooling System/Baffles to Engine	0			
		Engine Compartment Overheat/Fire Detection	27/4			
P5	System		N/A			
D.C	Assemble 1	Engine Compartment Overheat/Fire Detection	NI/A			
P6	System to 1	Engine Compartment	N/A			
P7	Fabricate I	nduction System	N/A			
P8	Assemble 1	Induction System to Engine	0			
P9	Fabricate E	Exhaust System	0			
P10	Assemble 1	Exhaust System to Engine	0			
P11	P11 Fabricate Engine Control Installation Brackets		N/A		Rolled	into P14
P12	Assemble 1	Engine Controls to Next Level Structure	0			
P13	Rig and Ac	ljust Engine Controls	0			
P14	Fabricate E	Brackets and Fittings	N/A			
P15	Assemble 1	Brackets and Fittings to Next Level Structure	0			
P16	Fabricate C	Cables, Wires and Lines	N/A			
P17	Assemble (Cables, Wires and Lines to next Level Structure	0			
P18	Assemble 1	Engine (Likely N/A)	N/A			
		Engine to Engine Mount	0			
		Engine Propeller (Likely N/A)	N/A			
P21	Fabricate P	Propeller Spinner Components	1			
P22	Assemble 1	Propeller to Engine	0			
P23	_	ack Propeller	0			
P24		Engine Cowling	0.7			
P25	Assemble 1	Engine Cowling to Airframe	0			
P26	Fabricate E	Engine Fuel System Components	N/A			
P27		Engine Fuel System Components to Next Level	0			
	Structure		J			
	Add item:					
	Add item:					
	otal # of		Mfr Kit/Part/	Commercial	Am-Builder	Am-Builder
	pulsion	Propulsion Subtotal	Component	Assistance	Assembly	Fabrication
	<u> Tasks</u>		_			
	17	<u>Propulsion Total Points</u> ►	2.6	0	0	0

Propulation Comments: No changes made as compared to the previously evaluated Sonex model.

			A Mfr Kit/Part/	В	C	D
FAB	FABRICATION AND ASSEMBLY TASKS			Commercial		Am-Builder
				Assistance	Assembly	Fabrication
	EADD	OCATION AND ASSEMBLY TASKS	A	В	C	D
	FABRICATION AND ASSEMBLY TASKS			Commercial	Am-Builder	Am-Builder
			Component	Assistance	Assembly	Fabrication
Task #	Cock	pit Interior – 11 Listed Tasks				
C1	Fabricate I	nstrument Panel	0.1			
C2	Fabricate I	nstrument Panel Bracket and Fittings	0.1			
C3	Assemble 1	Instrument Panel with Fittings and Brackets	0			
C4	Assemble A	Avionics to Instrument Panel	0			
C5	Fabricate S	Seats	0			
C6	Fabricate S	Seat Brackets and Fittings	0			
C7	Assemble	Seats to Cockpit	0			
C8	Fabricate S	Seat Belts Fittings and Shoulder Harness Fittings	0.6			
C9	Assemble	Seat Belts and Shoulder Harness to Structure	0			
C10	Fabricate E	Electrical Wiring, Controls and Switches	0			
C11		Assemble Electrical Systems Controls and Switches to Next Level Structure				
C12	Add item:					
C13	Add item:					
Total # of Cockpit Tasks		Cockpit Interior Subtotal	Mfr Kit/Part/ Component	Commercial Assistance	Am-Builder Assembly	Am-Builder Fabrication
	11	Cockpit Interior Total Points ▶	0.8	0	0	0

Cockpit Comments: No changes made as compared to the previously evaluated Sonex model.

		\mathbf{A}	В	C	D
FABRICATIO	N AND ASSEMBLY TASKS	Mfr Kit/Part/	Commercial	Am-Builder	Am-Builder
		Component	Assistance	Assembly	Fabrication
Total # of Aircraft Tasks					
124	⋖ SUM #1				

-
•

TOTAL TASKS AND LINE ITEMS

1	1		1		
\downarrow	\downarrow	\downarrow	\downarrow		

FABRICATION AND ASSEMBLY SUMMARY	A	В	C	D
	Mfr Kit/Part/ Component	Commercial Assistance	Am Builder Assembly	Am Builder Fabrication
1. Total Points for Each Category. (Note 1)	31.9			
2. Total Points for Complete Aircraft Construction (SUM # 2 should equal SUM # 1 above). (Note 2)	(SUM #2) ►			
3. Percentage of Each Category as Part of Total Aircraft Construction. (Note 3)	25.73%			
4. Total Percentages for Complete Aircraft Construction (Add all percentages in row 3) Total should equal 100% (± . 5%). (Note 4)				
Total Builder Points – Add points in row 1, column C and D only, together. (Note 5)				
Total Builder Percentage – Add percentages in row 3, columns C and D only, together. (Note 6)				