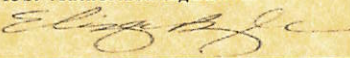


1. Approving Civil Aviation Authority/Country: FAA/United States		2. <b>AUTHORIZED RELEASE CERTIFICATE</b> FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 1162677	
4. Organization Name and Address: Aviation Communication & Surveillance Systems 19810 N. 7th Ave. Phoenix, AZ 85027 PAH # PT1571NM				5. Work Order/Contract/Invoice Number: CO-042234		
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	ASSY, END ITEM, NXT-800 (AC/DC)	9008000-10000	1	NXE14878	NEW	
12. Remarks: Airworthiness Approval Drawing: 9008000-10000, Rev K TSO AUTHORIZATION: C112d, C166b ETSO AUTHORIZATION: C112d, C166b						
13a. Certifies the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.			14a. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
13b. Authorized Signature: 		13c. Approval/Authorization No.: PT1571NM	14b. Authorized Signature:		14c. Approval/Certificate No.:	
13d. Name (Typed or Printed): Elizabeth Boyle		13e. Date (dd/mmm/yyyy): 08 Jan 2020	14d. Name (Typed or Printed):		14e. Date (dd/mmm/yyyy):	
<b>User/Installer Responsibilities</b>						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						



Work Order ID	Part ID	Description	Trace ID	RI Date	Qty	Drawing ID/Build Rev
WO-291879/1/0/0	9008000-10000	ASSY, END ITEM, NXT-800 (AC/DC)	NXE14878	12/13/2019	1	9008000-10000/K



HDW MOD: -,A,B  
 SW MOD: A,B,C,D

### WORK ORDER STATUS

Seq#	Shop Resources	Instructions	Operation Status	Completed By	Date	
5	<u>Piece No</u> NXT-FINALTEST 10	<u>Part ID</u> PERFORM OPERATION PER METHOD SHEETS 9008000-11	<u>Part Desc</u> ASSEMBLY, HW NX 1	<u>Req. Qty.</u> C	<u>Trace ID</u> 10100283: LOPEZ ADALBERTO NXH14878	<u>% Complete</u> 12/13/2019 100.00
10	NXT-FINALASSY	PERFORM OPERATION PER METHOD SHEETS	C	10082964: VANBRONCKHORST A	12/14/2019	

### NCM STATUS

Part ID	Part Desc.	Serial No.	NCM ID	Disposition Type	NCM Status
9008000-10000	ASSY, END ITEM, NXT	NXE14878	NONE		
9008000-11	ASSEMBLY, HW NXT-	NXH14878	NONE		

FINAL INSPECTION COMPLETED BY: \_\_\_\_\_





Work Order ID	Part ID	Description	Trace ID	Rls Date	Qty	Drawing ID/Build Rev
WO-291774/1/0/0	9008000-11	ASSEMBLY, HW NXT-800	NXH14878	12/12/2019	1	9008000-11/A



### WORK ORDER STATUS

Seq#	Shop Resources	Instructions	Operation Status	Completed By	Date
3	NXT-ISSUECCAS	PERFORM OPERATION PER METHODSHEETS	C	10100507: TOWNSEND ROBIN	12/12/2019
	10	9008010-001 CCA, NXT-800 INTER	1	0FR76-00200979	100.00
	20	9008020-004 CCA, NXT PROCESS	1	0FR76-00206356	100.00
	30	9008030-004 CCA, NXT POWER S	1	0FR76-00198639	100.00
	40	9008040-008 CCA, TXRX NXT	1	0FR76-00195696	100.00
5	NXT-IPI	PERFORM OPERATION PER METHODSHEETS	C	10100507: TOWNSEND ROBIN	12/12/2019
10	NXT-ASSY	PERFORM OPERATION PER METHOD SHEETS	C	10100507: TOWNSEND ROBIN	12/12/2019
60	NXT-PRETEST	PERFORM OPERATION PER METHOD SHEETS.	C	10090225: WEISENBERGER ANDI	12/12/2019
70	NXT-ESS	PERFORM OPERATION PER METHOD SHEETS.	C	10090225: WEISENBERGER ANDI	12/13/2019
80	NXT-HWFINALTEST	PERFORM OPERATION PER METHOD SHEETS.	C	10100283: LOPEZ ADALBERTO	12/13/2019

### NCM STATUS

Part ID	Part Desc.	Serial No.	NCM ID	Disposition Type	NCM Status
9008000-11	ASSEMBLY, HW NXT-	NXH14878	NONE		
9008010-001	CCA, NXT-800 INTERCC	0FR76-00200979	NONE		
9008020-004	CCA, NXT PROCESSO	0FR76-00206356	NONE		
9008030-004	CCA, NXT POWER SU	0FR76-00198639	NONE		
9008040-008	CCA, TXRX NXT	0FR76-00195696	NONE		



FINAL INSPECTION COMPLETED BY: \_\_\_\_\_

\*\*\* Test Report Summary \*\*\*

UUT Part Number: 9008000-10000  
UUT Serial Number: NXE14878  
UUT SW Mod Number: D  
TestType\_Profile\_CalType: FinalConfig\_NoCal  
Date: 2019-12-13  
Time: 23:26:17  
Test SW: 9008051-001 Rev W  
Common SW: 9002412-001 Rev -  
ATP Revision: 8010114-001 Rev P  
Operator: 10100283

Manufacturer	Model	S\N	Cal Due
Elgar	CW801P	L3-6063	01/11/2020
HP	6032A	L3-6115	01/11/2020
ACSS	9008050-001	2	2/25/2020
AEROFLEX	SDX2000	L3-0002	12/04/2020
National Instruments	NI-4065	L3-5798	04/02/2020
Tektronix	TDS2024C	L3-5719	04/03/2020

Group 1 : Software Version Tests	Passed
Get RF Bite 1030 RX Limit Value	Passed
Group 7 : RS-232 Tests	Passed
Group 33: Ops Software Version Tests	Passed
Group 34: Fault Log Tests	Passed
Overall Test Result:	Passed

End of Test Report Summary



\*\*\* Test Report Summary \*\*\*

UUT Part Number: 9008000-11  
 UUT Serial Number: NXH14878  
 UUT SW Mod Number: -  
 TestType\_Profile\_CallType: FinalTest\_NoCall  
 Date: 2019-12-13  
 Time: 18:13:56  
 Test SW: 9008051-001 Rev W  
 Common SW: 9002412-001 Rev -  
 ATP Revision: 8010114-001 Rev P  
 Operator: 10100283

Manufacturer	Model	S\N	Call Due
Elgar	CW1251	L3-5717	06/25/2020
HP	6032A	L3-5718	06/25/2020
ACSS	9001080-001	1	03/10/2020
Aeroflex	ATC-5000NG	L3-6112	11/12/2020
National Instruments	NI-4065	L3-5801	04/02/2020
Tektronix	TDS2024C	L3-5815	07/03/2020

Group 1 : Software Version Tests	Passed
Group 5 : Test Switch Tests	Passed
Group 6A: Front Panel LED Tests	Passed
Group 2 : Fault Log Tests	Passed
Group 3 : Input Power Tests, DC	Passed
Group 3 : Input Power Tests, AC	Passed
Group 4 : Voltage Monitor Tests	Passed
Group 8 : Discrete Input Tests	Passed
Group 9 : 200mA Gnd/Open Discete Outputs Tests	Passed
Group 10: 5V/Open Discete Outputs Tests	Passed
Group 11: A429 Tx Rx Tests	Passed
Group 12: Gps Time Mark Tests	Passed
Group 13: Processor Tests	Passed
Group 14: Mut Supp Pulse Tests	Passed
Group 15: Ant Bite Tests	Passed
Group 16: Rf Wrap Tests	Passed
Get Bias:	Passed
Group 17: Input Power and Voltage Monitor Tests	Passed
Group 18: Xmtr Frequency Tests	Passed
Group 19: Xmtr Top Pulse Parametric Tests	Passed
Group 20: Xmtr Bottom Pulse Parametric Tests	Passed
Group 35: Xmtr Isolation Tests	Passed
Get Bias:	Passed
Group 21: MTL and Low Level Tests	Passed
Group 22: Dynamic Range Tests	Passed
Group 23: Out-of-Band Rejection Tests	Passed
Group 24: ATCRBS SLS Tests	Passed
Group 28: All Call Pulse Position Tests	Passed
Group 29: Reply Delay and Jitter Tests	Passed
Group 30: SPR Position Tests	Passed
Group 31: Diversity Tests	Passed
Test Bias:	Passed
Group 2 : Fault Log Tests	Passed

Overall Test Result: Passed

End of Test Report Summary





**Parameters:**

Reference Decode:  
 Symbol Contrast:  
 Fixed Pattern Damage:  
 Axial Non-Uniformity:  
 Grid Non-Uniformity:  
 Modulation:  
 Unused ECC:

Results	Grade	130N
PASS	4 (A)	PASS
84%	4 (A)	PASS
----	4 (A)	PASS
0.02	4 (A)	PASS
0.05	4 (A)	PASS
----	4 (A)	PASS
100%	4 (A)	PASS
<b>Final Grade:</b>		4 (A) PASS

4/05/660/45

**Non-Graded Parameters:**

Print Growth: 0.00      Symbol Size: 24x24  
 Symbol Type: ECC200      Element Size: 14.3 Pixels 0.018"

Symbol Data: [ ]><sup>R</sup><sub>S</sub>06<sup>G</sup><sub>S</sub>17V1WYD3<sup>G</sup><sub>S</sub>1P9008000-10000<sup>G</sup><sub>S</sub>SNXE14878<sup>R</sup><sub>S</sub><sup>E</sup><sub>O</sub><sup>T</sup>  
 UII: D1WYD39008000-10000NXE14878  
 Format: DI  
 P/N (1P): 9008000-10000  
 S/N (S): NXE14878  
 IAC: D  
 EID (17V): 1WYD3

Symbol Image: (scaled to 328x248)



Aperture: 0.005"  
 Wavelength: 660 nm  
 Angle: 45 degrees

Firmware Version 35-676201-12  
 Verifier Serial Number 0661350  
 Saturday, December 14, 2019 at 11:48:06  
 Microscan ESP Version 6.3.0.11  
 Company:  
 Operator:

This report created using Microscan ESP software

[www.microscan.com](http://www.microscan.com)  
[helpdesk@microscan.com](mailto:helpdesk@microscan.com)  
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