
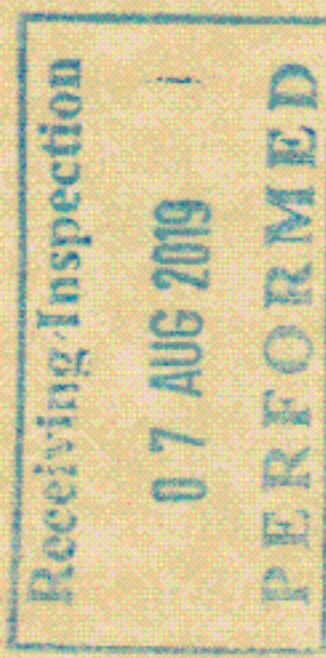
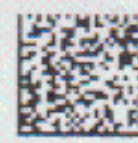


1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: 1141432	
4. Organization Name and Address: Aviation Communication & Surveillance Systems 19810 N. 7th Ave. Phoenix, AZ 85027 PAH # PT1571NM		5. Work Order/Contract/Invoice Number: CO-039372		11. Status/Work: NEW	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	
1	ASSY, END ITEM, NXT-800 (AC/DC)	9008000-10100	1	NXE11991	
12. Remarks: Airworthiness Approval Drawing: 9008000-10100, Rev C TSO 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: <i>Karen Lefkowitz</i>		13c. Approval/Authorization No.: PT1571NM		14b. Authorized Signature:	
13d. Name (Typed or Printed): Karen Lefkowitz		13e. Date (dd/mm/yyyy): 30 Apr 2019		14c. Approval/Certificate No.:	
14d. Name (Typed or Printed):					
14e. Date (dd/mm/yyyy):					
User/Installer Responsibilities					
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	Rls Date	Qty	Drawing ID/Build Rev
WO-273975/1/0/0	9008000-10100	ASSY, END ITEM, NXT-800 (AC/DC)	NXE11991	4/16/2019	1	9008000-10100/C



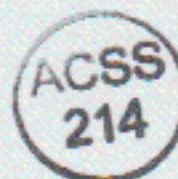
HDW MOD: A
 SW MOD: -

WORK ORDER STATUS

Seq#	Shop Resources	Instructions	Operation Status	Completed By	Date	
5	<u>Piece No</u> NXT-FINALTEST 10	<u>Part ID</u> Load Ops Code per 8010114-001 9008000-11	<u>Part Desc</u> ASSEMBLY, HW NX 1	<u>Req. Qty.</u> C	<u>Trace ID</u> 479612: GONZALES MIGUEL NXH11991	<u>% Complete</u> 4/16/2019 100.00
10	NXT-FINALASSY	FINAL ASSEMBLY PER METHOD SHEETS	C	500233: Vanbronckhorst Andrea	4/17/2019	
20	NXT-IPI	PERFORM IPI PER METHOD SHEET	C	500233: Vanbronckhorst Andrea	4/17/2019	
30	NXT-FINALASSY_2	PERFORM OPERATION PER METHOD SHEETS	C	500233: Vanbronckhorst Andrea	4/17/2019	
40	NXT-BOND_TEST	PERFORM OPERATION PER METHOD SHEETS	C	500233: Vanbronckhorst Andrea	4/17/2019	

NCM STATUS

Part ID	Part Desc.	Serial No.	NCM ID	Disposition Type	NCM Status
9008000-10100	ASSY, END ITEM, NXT	NXE11991	NONE		
9008000-11	ASSEMBLY, HW NXT-	NXH11991	NONE		



FINAL INSPECTION COMPLETED BY: _____



Work Order ID	Part ID	Description	Trace ID	Rls Date	Qty	Drawing ID/Build Rev
WO-272959/1/0/0	9008000-11	ASSEMBLY, HW NXT-800	NXH11991	4/3/2019	1	9008000-11/-



WORK ORDER STATUS

Seq#	Shop Resources	Instructions	Operation Status	Completed By	Date
10	NXT-ASSY	ASSEMBLE PER METHOD SHEETS	C	10082965: KONSKI JOHN	4/3/2019
	40	9008010-001 CCA, NXT-800 INTER	1	0FR76-00188228	100.00
	50	9008020-004 CCA, NXT PROCESS	1	0FR76-00187602	100.00
	60	9008040-008 CCA, TXRX NXT	1	0FR76-00189642	100.00
	70	9008030-004 CCA, NXT POWER S	1	0FR76-00185271	100.00
60	NXT-PRETEST	Perform Pre-Test per 8010114-001	C	10073890: DEKOV NIKOLAY	4/6/2019
70	NXT-ESS	Perform ESS per 8010119-001	C	389994: ANDRE SERGIO	4/16/2019
80	NXT-HWFINALTEST	Perform Final Test per 8010114-001	C	389994: ANDRE SERGIO	4/16/2019

NCM STATUS

Part ID	Part Desc.	Serial No.	NCM ID	Disposition Type	NCM Status
9008000-11	ASSEMBLY, HW NXT-	NXH11991	NONE		
9008010-001	CCA, NXT-800 INTERCC	0FR76-00188228	NONE		
9008020-004	CCA, NXT PROCESSO	0FR76-00187602	NONE		
9008040-008	CCA, TXRX NXT	0FR76-00189642	NONE		
9008030-004	CCA, NXT POWER SU	0FR76-00185271	NONE		



FINAL INSPECTION COMPLETED BY: _____

*** Test Report Summary ***

UUT Part Number: 9008000-10100
UUT Serial Number: NXE11991
UUT SW Mod Number: -
TestType_Profile_CalType: FinalConfig_NoCal
Date: 2019-04-16
Time: 13:33:14
Test SW: 9008051-001 Rev U
Common SW: 9002412-001 Rev -
ATP Revision: 8010114-001 Rev P
Operator: 479612

Group 1 : Software Version Tests	Passed
Get RF Bite 1030 RX Lmit 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: NXH11991
UUT SW Mod Number: -
TestType_Profile_CalType: FinalTest_NONE_NoCal
Date: 2019-04-16
Time: 02:19:02
Test SW: 9008049-001 Rev AJ
Common SW: 9002412-001 Rev -
ATP Revision: 8010114-001 Rev P
Operator: 389994

Group 3 : Input Power Tests, DC	Passed
Group 3 : Input Power Tests, AC	Passed
Group 17: Input Power and Voltage Monitor Tests	Passed
Group 1 : Software Version Tests	Passed
Group 5 : Test Switch Tests	Passed
Group 6 : Front Panel LED Tests	Passed
Group 2 : Fault Log Tests	Passed
Group 4 : Voltage Monitor Tests	Passed
Group 8 : Discrete Input Tests	Passed
Group 13: Processor Tests	Passed
Group 16: Rf Wrap Tests	Passed
Get Bias:	Passed
Group 9 : 200mA Gnd/Open Discete Outputs Tests	Passed
Group 10: 5V/Open Discete Outputs Tests	Passed
Group 12: Gps Time Mark Tests	Passed
Group 11: A429 Tx Rx Tests	Passed
Group 14: Mut Supp Pulse Tests	Passed
Group 15: Ant Bite 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
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
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
79%	4 (A)	PASS
----	4 (A)	PASS
0.02	4 (A)	PASS
0.08	4 (A)	PASS
----	4 (A)	PASS
100%	4 (A)	PASS
Final Grade:		4 (A) PASS

4/05/660/45

Non-Graded Parameters:

Print Growth:

0.00

Symbol Size:

24x24

Symbol Type:

ECC200

Element Size:

15.6 Pixels 0.020"

Symbol Data:

[>R₅06G₅17V1WYD3G₅1P9008000-10100G₅SNXE11991R₅E₀T

UII:

D1WYD39008000-10100NXE11991

Format:

DI

P/N (1P):

9008000-10100

S/N (S):

NXE11991

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

Wednesday, April 17, 2019 at 20:19:14

Microscan ESP Version 6.3.0.11

Company:

Operator:

This report created using Microscan ESP software

www.microscan.com

helpdesk@microscan.com

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