

JOINT STAND-OFF WEAPON ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

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NOTE: OPEN problems denoted by asterisk (*) following problem number.

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PROBLEM NO: 16505

OPEN

	NOMENCLATURE	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	GUIDED WEAPON	4211053-0001	1410	01-443-3029	PFB8
	GUIDED WEAPON	4211053-3	1410	01-443-3029	PFB8

EI CNTRL NO:

PROB BRIEF : MISSILE FAILED BUILT IN TEST

PROBLEM : During the performance of Post loading Built in test, at stores
DESCRIPTION management system test finish, Digital Display Indicator displayed
weapon failed.

PREVENTIVE : None.
ACTION

CORRECTIVE : Under investigation.
ACTION

	SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
OCCURRENCES:	VFA-15	CODR	V09015-01-0042	02AUG01	OPEN
	VFA-22	CODR	R09561-99-0013	06FEB99	OPEN
ACTION :	VFA-15	CODR	V09015-01-0042	02AUG01	OPEN

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	4211053-3	1410	01-443-3029	PFB8
	NOMEN: GUIDED WEAPON			
	S/N: TDJ-10571			
	LOT: LRIP2			
FAILED PART:	4211053-3	1410	01-443-3029	PFB8
	NOMEN: GUIDED WEAPON			
	S/N: TDJ-10571			
	LOT: LRIP2			

DESCRIPTION:

Weapon loaded in accordance with technical manuals on aircraft 164691 station 2. During weapons operability check all indications were normal with satellite acquisitions obtained. After 30 minutes of ground operation Digital Display Indicator received a weapons degrade. Downloaded weapon in accordance with technical manuals and weapon was loaded on aircraft 164680 to verify failure. During Stores Management System Built In Test, weapon indicated fail on stores page. Attempted to trouble shoot problem including removal and replacement of known good jumper cable and removal and replacement of suspect station encoder/decoder. Downloaded weapon in accordance with technical publications and turned into USS Enterprise Weapons Department.

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PROBLEM NO: 16505

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ACTION TAKEN:

14AUG01: Request USS Enterprise Weapons Department perform Built In Test utilizing AN-GYQ-79 Common Munitions Bit Reprogramming Equipment, Joint Standoff Weapon Test Card and Preliminary Procedures for AGM-154 Serial Number TDJ-10571. Verification of failed weapon should include failure code and failed subsystem identification. Results of Built In Test can be reported via Point of Contact e-mail or Naval Message. If weapon fail is verified, place in Condition Code "F" and ship to McAlester Army Ammunition Plant.

15AUG01: USS Enterprise Weapons Department provided by E-mail information as follows on failed weapon Serial Number TDJ-10571: Built In Test performed utilizing Common Munitions Bit Reprogramming Equipment Test Set An-GYQ-79, Weapon fails Built In Test; failure code 6E00, Subsystem: IMQ, SQB.

ACTION	:	ACTIVITY/CODE	ASSIGNMENT	DUE DATE STATUS
SUMMARY		MCALESTER AAP	INVESTIGATE	13NOV01 OPEN

REFERENCES	:	IDENTIFICATION	REFERENCE BRIEF
		VFA-15 MESSAGE 021452ZAUG01	PROBLEM REPORT
		NAWC CHINA LAKE/47HJ00D MESSAGE 141358ZAUG01	INTERIM RESPONSE
		USS ENTERPRISE (CVN-65) EMAIL 15AUG01	TEST RESULTS

ACTION	:	VFA-22	CODR	R09561-99-0013	06FEB99 OPEN
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		PART/DOC. NO.	FSC	NIIN	NALC
END ITEM	:	4211053-0001	1410	01-443-3029	PFB8
		NOMEN: GUIDED WEAPON			
		S/N: SNG-10299			
FAILED PART:		4211053-0001	1410	01-443-3029	PFB8
		NOMEN: GUIDED WEAPON			
		S/N: SNG-10299			

DESCRIPTION:

During performance of Post load Built in Test of weapon after completion of Stores Management System test, Left Digital Display indicator displayed "WFAIL" on wingform. Weapon page display showed "STA 8 FAIL" and "IMU FAIL". Missile was downloaded and turned in to USS Carl Vinson Weapons Department, pending disposition instructions.

ACTION TAKEN:

18FEB99: No response to discrepancy report received to date request retransmit reply to all concerned via priority message.

23FEB99: Requested following information; was weapon checked on any

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PROBLEM NO: 16505

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other 1760 stations and was another weapon utilized to complete mission?

24FEB99: Information received from VFA-22 as follows; Aircraft was loaded with the weapon and checked out twice for an earlier event using a Memory Unit to ensure that it was 4.0. It passed all pre-flight checks without a discrepancy both times. After the Pilots turned the aircraft for launch is when the indications were first noted. No time was available to swap out missiles to make the launch. However other weapons were loaded on that station afterwards with no problems. Additionally, the bad weapon was loaded the following day on other known good aircraft and failed, giving identical indications in each case. We have not noted the indications this weapon gave (PROC FAIL, IMU FAIL) on any other weapon or aircraft at any time.

26FEB99: Request asset be shipped to McAlester Army Ammunition Plant.

02NOV99: VFA-22 submitted a second follow up request.

10NOV99: NAWC China Lake submitted response to second followup request.

28MAR00: Weapon failed to pass Built In Test on the All-Up-Round Test Set at McAlester Army Ammunition Plant. Weapon was then subjected to surveillance test and failed again. Failure code for short Built In Test was PROC and IMU, Surveillance BIT failure was 6E00. Additionally, weapon was noted to have damage to the right stabilization fin and lower right control fin was chipped. Surface corrosion was visible on both 30 inch and the forward 14 inch lugs. The environmental cover was missing, both wings had visible damage/missing paint at the mating of the lower cradle of the container to the missile, the weapon log book was missing and the container needed to be re-dessicated.

20SEP00: The Guidance Electronics Unit was removed from the weapon and sent to Tucson where it was run across the Guidance Electronics Test Set. The failure was isolated to the Inertial Measurement Unit.

23OCT00: IMU was sent to Subcontractor (KGN) for further failure analysis.

01JUN01: KGN verified failure of the Inertial Measurement Unit serial number 268. Failure determined to be one location of Electrically Erasable Programmed Read Only Memory as corrupted. The Electrically Erasable Programmable Read-Only Memory was reprogrammed and retested utilizing multiple burn and write cycles and ESS

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testing to verify the integrity. No anomalies were identified. No failure analysis was performed or was possible due to the multiple burn and write cycles performed by the sub contractor. Future failures of this type will warrant a detailed failure analysis to be performed.

05SEP01: Authorization for repair of asset has been approved.

ACTION	:	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY		NAWC CHINA LAKE/47HJ00D	REVIEW DEFICIENCY	25MAY99	OPEN

REFERENCES	:	IDENTIFICATION	REFERENCE BRIEF
		VFA-22 MESSAGE 061050ZFEB99	PROBLEM REPORT
		VFA-22 MESSAGE 180945ZFEB99	FOLLOW UP REQUEST
		NAWC CHINA LAKE/47HJ00D E-MAIL 23FEB99	INFORMATION REQUEST
		VFA-22 E-MAIL 24FEB99	ADDITIONAL INFORMATION RECEIVED
		NAWC CHINA LAKE/47HJ00D MESSAGE 261500ZFEB99	INTERIM RESPONSE
		VFA-22 MESSAGE 022030ZNOV99	SECOND FOLLOW UP REQUEST
		NAWC CHINA LAKE/47HJ00D MESSAGE 101843ZNOV99	SECOND RESPONSE TO FOLLOW UP REQUEST
		MCALESTER AAP E-MAIL 28MAR00	STATUS BRIEF
		MCALESTER AAP E-MAIL 20SEP00	STATUS BRIEF
		MCALESTER AAP E-MAIL 23OCT00	STATUS BRIEF
		MCALESTER AAP E-MAIL 01JUN01	STATUS BRIEF
		MCALESTER AAP E-MAIL 05SEP01	STATUS BRIEF

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PROBLEM NO: 16519

OPEN

	NOMENCLATURE	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	GUIDED WEAPON	4211053-0001	1410	01-443-3029	PFB8

EI CNTRL NO:

PROB BRIEF : WEAPON FAILED TO ID

PROBLEM : Weapon failed to ID when powered up on wing.
DESCRIPTION

PREVENTIVE : None.
ACTION

CORRECTIVE : Under investigation.
ACTION

	SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
OCCURRENCES:	VMFA-312	CODR	M09253-99-0013	01APR99	OPEN

ACTION :	VMFA-312	CODR	M09253-99-0013	01APR99	OPEN
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	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	4211053-0001	1410	01-443-3029	PFB8
	NOMEN: GUIDED WEAPON			
	S/N: SNG10233			
FAILED PART:	4211053-0001	1410	01-443-3029	PFB8
	NOMEN: GUIDED WEAPON			
	S/N: SNG10233			

DESCRIPTION:

AGM-154A was loaded in accordance with NAVAIR A1-F18AE-LWS-610. Aircrew revealed Weapon Fail on the digital display indicator. Weapon was loaded on two other aircraft with known good weapons cables, received weapons fail on both aircraft. Missile is being held by USS Enterprise Weapons Department. Awaiting disposition instructions.

ACTION TAKEN:

08APR99: Requested asset S/N SNG10233 be shipped to Transportation Officer, McAlester Army Ammunition Plant. NAWC China Lake will notify all concerned upon completion of investigation.

28MAR00: Weapon failed to pass Built In Test on the All Up Round Test Set at McAlester Army Ammunition Plant. The weapon was then subjected to the Surveillance Built In Test and failed again. The failure code for both failures was BE00, GPS. A visual was done where it was noted that the environmental cover was missing, metal was showing from sway brace use and there was writing on one of the

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PROBLEM NO: 16519

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fins.

20SEP00: The Guidance Electronics Unit was removed from the All Up Round and sent to Tucson where it was run across the Guidance Electronics Unit test set. The failure was isolated to the Navigational board. The board was reprogrammed and put back into the Guidance Electronics Unit. The unit now passes using the Guidance Electronics Unit test set.

05APR01: Guidance Electronics Unit was sent to McAlester and integrated back into the weapon. The weapon would not ID when Built in Test was run. There was no communication between the weapon and test set. The payload was removed and the inert weapon air vehicle was sent to Rita Road. Failure analysis so far has determined the power converter is bad. Additional failure analysis is still going on.

01JUN01: Weapon is in troubleshooting at Tucson. The power converter was replaced.

01AUG01: The Guidance Electronics Unit is now failing in the weapon. Guidance Electronics Unit has been sent out for further testing.

ACTION	:	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY		NAWC CHINA LAKE/47HJ00D	REVIEW DEFICIENCY	05JUL99	OPEN

REFERENCES	:	IDENTIFICATION	REFERENCE BRIEF
		VMFA-312 MESSAGE 010730ZAPR99	PROBLEM REPORT
		NAWC CHINA LAKE/47HJ00D MESSAGE 081805ZAPR99	INTERIM RESPONSE
		MCALESTER AAP E-MAIL 28MAR00	STATUS UPDATE
		MCALESTER AAP E-MAIL 20SEP00	STATUS UPDATE
		MCALESTER AAP E-MAIL 05APR01	STATUS UPDATE
		MCALESTER AAP E-MAIL 01JUN01	STATUS UPDATE
		MCALESTER AAP E-MAIL 01AUG01	ACCOUNT RECONCILIATION

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PROBLEM NO: 16520 CLOSED

END ITEM : NOMENCLATURE PART/DOC. NO. FSC NIIN NALC
GUIDED WEAPON 4211053-0001 1410 01-443-3029 PFB8

EI CNTRL NO: 99-0021

PROB BRIEF : WEAPON FAILS PERIODIC BIT

PROBLEM : Weapon fails in-flight periodic Built-In-Test.
DESCRIPTION

PREVENTIVE : None.
ACTION

CORRECTIVE : Under investigation.
ACTION

	SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
OCCURRENCES:	VMFA-312	CODR/EIR	M09253-99-0016	17APR99	CLOSED
	VFA-105	CODR	V65183-99-0013	13APR99	CLOSED

ACTION :	VMFA-312	CODR/EIR	M09253-99-0016	17APR99	CLOSED
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	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	4211053-0001	1410	01-443-3029	PFB8
NOMEN: GUIDED WEAPON				
S/N: SNG10223, SNG-10288				
FAILED PART:	4211053-0001	1410	01-443-3029	PFB8
NOMEN: GUIDED WEAPON				
S/N: SNG10223, SNG-10288				

DESCRIPTION:

Weapon loaded in accordance with written procedures. Weapon incurred a Processor fail when switching from Air to Ground Master Mode to Navigation Master Mode or Air to Air Master Mode. The problem surfaced after the weapon acquired satellites and had good alignment quality. If Air to Ground Master mode was deselected the weapon would display an associated weapon fail on the Stores Management System Page and the weapon page would go blank displaying the processor fail caution. Commanding weapon Built in Test plus re-selecting the weapon restarted the weapon warm up process. Normal indications (Good alignment/qual/satellites acquired) were present upon completion of weapon timeout. Anomaly occurred both on deck and airborne. Remaining in Air to Ground Mode after the weapon timed out and acquired satellites enabled normal weapon release conditions. Failure occurred with multiple aircraft from different squadrons. The Air Wing had three weapons displaying this problem. Serial number SNG 10268 was employed and functioned normally. Serial number SNG 10223 is aboard the USS Enterprise. Request Engineering Investigation. Awaiting disposition instructions.

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PROBLEM NO: 16520

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ACTION TAKEN:

17APR99: Problem investigation is ongoing. Aircraft operational flight program interface is being investigated. Engineering investigation has been initiated. Request a point of contact for further data regarding aircrew displays be made.

28APR99: Problem investigation of missile serial number SNG-10223 is ongoing. Unable to determine the cause of the problem with information provided. Missile is required at Naval Air Warfare Center Weapons Divisin for further investigation. Place weapon in Condition Code "J" and ship to Naval Air Weapons Station China Lake.

02NOV99: Weapons arrived at China Lake Naval Air Warfare Center Weapons Integration Facility Building 10690 where they passed Built In Test using the Flight Line Test Set. The failure could not be duplicated. Testing was performed at the Airborne Weapons Laboratory to determine if this was Aircraft OFP-13C Software related. Could not duplicate problem.

20SEP00: Weapons shipped to McAlester Army Ammunition Plant for payload rail replacement. Weapons passed Built In Test on the All Up Round Test Set. Weapons were shipped to Port Hadlock for fleet return. Problem will be monitored for further occurrences. Consider this closing action.

ACTION :	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY	NAWC CHINA LAKE/47HJ00D	REVIEW DEFICIENCY	COMPLETE	20SEP00

REFERENCES :	IDENTIFICATION	REFERENCE BRIEF
	NAWC CHINA LAKE/47HJ00D MESSAGE 171500ZAPR99	INTERIM RESPONSE
	VMFA-312 MESSAGE 172100ZAPR99	PROBLEM REPORT
	NAWC CHINA LAKE/47HJ00D MESSAGE 281742ZAPR99	CORRECTED COPY INTERIM RESPONSE
	NAWC CHINA LAKE/47HJ00D E-MAIL 02NOV99	STATUS UPDATE
	NAWC CHINA LAKE/47HJ00D E-MAIL 20SEP00	FINDINGS; CLOSURE

ACTION :	VFA-105	CDR	V65183-99-0013	13APR99	CLOSED
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END ITEM :	PART/DOC. NO.	FSC	NIIN	NALC
	4211053-0001	1410	01-443-3029	PFB8
	NOMEN: GUIDED WEAPON			
	S/N: SNG-10288			
	LOT: LRIP I			
FAILED PART:	4211053-0001	1410	01-443-3029	PFB8
	NOMEN: GUIDED WEAPON			
	S/N: SNG-10288			
	LOT: LRIP I			

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PROBLEM NO: 16520

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DESCRIPTION:

During post flight de-brief, Pilot reported that weapon had failed in-flight after Air to Air Master Mode had been detected. Weapons fail can be cleared by deselecting Air to Air and performing operator Initiated Built-In-Test. Weapon was flown on one other aircraft with same results. Both aircraft had release and control checks performed in accordance with written procedures with no discrepancies noted. Loading and downloading performed in accordance with written procedures. Weapon has been turned in to USS Enterprise Weapons Department.

ACTION TAKEN:

15APR99: Problem investigation is ongoing. For USS Enterprise G3, request that you hold weapon pending further investigation. Aircraft operational flight program interface is being investigated. For VFA-105, was same Mission Unit load utilized on both flights? Additionally, what was the built in test result seen on both Digital Display Indicators?

21APR99: Information received as follows: Two different Memory Units mission loads were used during both flights. The built in test fail for both aircraft indicated weapons fail and processor fail when air-to-air master mode had been selected.

28APR99: Problem investigation of missile serial number SNG-10288 is ongoing. Unable to determine the cause of problem with information provided. Missile is required at Naval Air Warfare Center Weapon Division China Lake for further investigation. Place weapon in Condition Code "J" and ship to Naval Air Weapons Station, China Lake.

02NOV99: Weapons arrived at China Lake Naval Air Warfare Center Weapons Integration Facility Building 10690 where they passed Built In Test using the Flight Line Test Set. The failure could not be duplicated. Testing was performed at the Airborne Weapons Laboratory to determine if this was Aircraft OFP-13C Software related. Could not duplicate problem.

20SEP00: Weapons shipped to McAlester Army Ammunition Plant for payload rail replacement. Weapons passed Built In Test on the All Up Round Test Set. Weapons were shipped to Port Hadlock for fleet return. Problem will be monitored for further occurrences. Consider this closing action.

ACTION SUMMARY	:	ACTIVITY/CODE NAWC CHINA LAKE/47HJ00D	ASSIGNMENT REQUEST EXHIBIT	DUE DATE STATUS COMPLETE 20SEP00
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REFERENCES :	IDENTIFICATION	REFERENCE BRIEF
	VFA-105 MESSAGE 130953ZAPR99	PROBLEM REPORT
	NAWC CHINA LAKE/47HJ00D MESSAGE 152100ZAPR99	INTERIM RESPONSE
	VFA-105 MESSAGE 210900ZAPR99	ADDITIONAL INFORMATION
	NAWC CHINA LAKE/47HJ00D MESSAGE 281740ZAPR99	EXHIBIT REQUEST
	NAWC CHINA LAKE/47HJ00D E-MAIL 02NOV99	STATUS UPDATE
	MCALESTER AAP E-MAIL 20SEP00	ACCOUNT RECONCILIATION

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PROBLEM NO: 16525

OPEN

	NOMENCLATURE	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	GUIDED WEAPON	4211053-0001	1410	01-443-3029	PFB8
	GUIDED WEAPON	4211053-2	1410	01-443-3029	PFB8

EI CNTRL NO:

PROB BRIEF : WEAPONS DEGRADE GPS FAILURE

PROBLEM : Weapon degrade during built in test, Global Positioning Satellite
DESCRIPTION System Failed.

PREVENTIVE : None.
ACTION

CORRECTIVE : Under investigation.
ACTION

	SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
OCCURRENCES:	VMFA-323	CODR	M09235-01-0013	01MAY01	OPEN
	VFA-15	CODR	V09015-99-0071	05AUG99	CLOSED
	VFA-15	CODR	V09015-99-0072	05AUG99	CLOSED
	VMFA(AW)-533	CODR	M09193-99-0012	29JUN99	CLOSED
	VFA-87	CODR	V63922-99-0006	25APR99	OPEN

ACTION : VMFA-323 CODR M09235-01-0013 01MAY01 OPEN

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	4211053-2	1410	01-443-3029	PFB8
	NOMEN: GUIDED WEAPON			
	S/N: SNG-10266			
	LOT: LRIPi			
FAILED PART:	4211053-2	1410	01-443-3029	PFB8
	NOMEN: GUIDED WEAPON			
	S/N: SNG-10266			
	LOT: LRIPi			

DESCRIPTION:

On post loading external power run-up by Aircrew, AGM-154A on station two displayed a Global Positioning Satellite Failure. Subject JSOW has been loaded on two additional aircraft with the same result. Weapon has been turned into CV-64 Weapons Department. Disposition instructions requested.

ACTION TAKEN:

03MAY01: Request asset Serial Number SNG-10266 be shipped to McAlester Army Ammunition Plant.

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PROBLEM NO: 16525

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ACTION :	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY	NAWC CHINA LAKE/47HJ00D	REQUEST ITEM	01AUG01	OPEN

REFERENCES :	IDENTIFICATION	REFERENCE BRIEF
	VMFA-323 MESSAGE 011601ZMAY01	PROBLEM REPORT
	NAWC CHINA LAKE/47HJ00D MESSAGE 032143ZMAY01	INTERIM RESPONSE

ACTION :	VFA-15	CODR	V09015-99-0071	05AUG99	CLOSED
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	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	4211053-2	1410	01-443-3029	PFB8
	NOMEN: GUIDED WEAPON			
	S/N: SNG-10241			
	LOT: LRIP I			
FAILED PART:	4211053-2	1410	01-443-3029	PFB8
	NOMEN: GUIDED WEAPON			
	S/N: SNG-10241			
	LOT: LRIP I			

DESCRIPTION:

Weapon was loaded in accordance with publications. Pre launch indications were normal with satellite acquisition attained. While in flight weapon lost inertial navigation system alignment and satellite acquisition. Pilot received a weapons degrade. Weapon was flown previously on one other aircraft with similar problems, always checking good on deck. Weapon turned in to Weapons Department of CVN-71.

ACTION TAKEN:

09AUG99: Request flight hours of AGM-154 Serial numbers SNG-10215, SNG-10241 and any unreported similar occurrences. Also request place asset serial numbers SNG-10215 and SNG-10241 in Condition Code "J" and ship to McAlester Army Ammunition Plant.

28MAR00: The Weapon was tested at McAlester Army Ammunition Plant using the All Up Round Test Set and passed Built In Test. The failure could not be duplicated. A visual inspection detected chips on the upper left fin (trailing edge), upper right fin (trailing edge), lower left fin (bottom edge), lower right fin chipped and four inch gouge on surface. There was also surface corrosion on lugs, a scratch on the strong back, metal showing from sway brace use, a small abrasion on lower right nose of missile and the environmental cover was missing.

20SEP00: Weapon had external surfaces repaired, payload rails replaced and passed Built In Test on the All Up Round Test Set.

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PROBLEM NO: 16525

(Continued)

Weapon was shipped to Port Hadlock for Fleet return. Problem will be monitored for further occurrences. Consider this closing action.

ACTION :	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY	NAWC CHINA LAKE/47HJ00D	REQUEST ASSET		COMPLETE 20SEP00

REFERENCES :	IDENTIFICATION	REFERENCE BRIEF
	VFA-15 MESSAGE 051017ZAUG99	PROBLEM REPORT
	NAWC CHINA LAKE/47HJ00D MESSAGE 091705ZAUG99	INTERIM RESPONSE
	MCALESTER AAP E-MAIL 28MAR00	STATUS UPDATE
	MCALESTER AAP E-MAIL 20SEP00	ACCOUNT RECONCILIATION

ACTION :	VFA-15	CODR	V09015-99-0072	05AUG99	CLOSED
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	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	4211053-2	1410	01-443-3029	PFB8
	NOMEN: GUIDED WEAPON			
	S/N: SNG-10215			
	LOT: LRIP I			
FAILED PART:	4211053-2	1410	01-443-3029	PFB8
	NOMEN: GUIDED WEAPON			
	S/N: SNG-10215			
	LOT: LRIP I			

DESCRIPTION:

Weapon loaded in accordance with loading checklist. Pre-launch indications were normal with satellite aquisition attained. While in flight pilot received a weapons degrade. Weapon was flown previously on one other aircraft with similar problems, always checking good on deck.

ACTION TAKEN:

09AUG99: Request flight hours of AGM-154 Serial numbers SNG-10215, SNG-10241 and any unreported similar occurrences. Also request place asset serial numbers SNG-10215 and SNG-10241 in Condition Code "J" and ship to McAlester Army Ammunition Plant.

28MAR00: The weapon was tested at McAlester Army Ammunition Plant using the All Up Round Test Set and passed the Built In Test. The failure could not be duplicated. A visual inspection detected the lower left fin trailing edge chipped and there was metal was showing from SHOLS adapter and Aircraft BRU-32 sway braces.

20SEP00: Weapon had external surfaces repaired, payload rails replaced and passed the Built In Test on the All Up Round Test Set. Weapon was shipped to Port Hadlock for Fleet return. Problem will be monitored for further occurrences. Consider this closing action.

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PROBLEM NO: 16525

(Continued)

ACTION :	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY	NAWC CHINA LAKE/47HJ00D	REQUEST ASSET		COMPLETE 20SEP00

REFERENCES :	IDENTIFICATION	REFERENCE BRIEF
	VFA-15 MESSAGE 051030ZAUG99	PROBLEM REPORT
	NAWC CHINA LAKE/47HJ00D MESSAGE 091705ZAUG99	INTERIM RESPONSE
	MCALESTER AAP E-MAIL 28MAR00	STATUS UPDATE
	MCALESTER AAP E-MAIL 20SEP00	ACCOUNT STATUS UPDATE

ACTION :	VMFA(AW)-533	CODR	M09193-99-0012	29JUN99	CLOSED
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	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	4211053-0001	1410	01-443-3029	PFB8
	NOMEN: GUIDED WEAPON			
	S/N: SNG-10219			
	LOT: LRIP I			
FAILED PART:	4211053-0001	1410	01-443-3029	PFB8
	NOMEN: GUIDED WEAPON			
	S/N: SNG-10219			
	LOT: LRIP I			

DESCRIPTION:

AGM-154A was loaded in accordance with publications. The Aircrew revealed a weapons degrade. Weapon was loaded on two other aircraft with known good cables. Weapons degrades were received on both aircraft. Weapon was turned in to MALS-31 Ordnance. Awaiting disposition instructions.

ACTION TAKEN:

01JUL99: Request that the following information be provided: Any other subsystem failures noted on digital display indicator at time of weapon degrade; time, mission phase, and Aircrew actions at time of weapon degrade, ability to clear weapon degrade, and built in test results. Mark missile serial number SNG-10219 as condition code "J" and ship to Transportation Officer, McAlester Army Ammunition Plant.

28MAR00: The Weapon was tested at McAlester Army Ammunition Plant using the All Up Round Test Set and passed Built In Test. The failure could not be duplicated. A visual inspection detected a chip on the right wing and metal showing on the strong back from sway brace use.

20SEP00: Weapon had external surfaces repaired, payload rails replaced and passed Built In Test on the All Up Round Test Set. Weapon was shipped to Port Hadlock for Fleet return. Problem will be monitored for further occurrences. Consider this closing action.

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JOINT STAND-OFF WEAPON ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 16525

(Continued)

ACTION :	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY	NAWC CHINA LAKE/47HJ00D	REQUEST ASSET		COMPLETE 20SEP00

REFERENCES :	IDENTIFICATION	REFERENCE BRIEF
	VMFA(AW)-533 MESSAGE 291000ZJUN99	PROBLEM REPORT
	NAWC CHINA LAKE/47HJ00D MESSAGE 011746ZJUL99	INTERIM RESPONSE
	MCALESTER AAP E-MAIL 28MAR00	STATUS UPDATE
	MCALESTER AAP E-MAIL 20SEP00	ACCOUNT RECONCILIATION

ACTION :	VFA-87	CODR	V63922-99-0006	25APR99	OPEN
END ITEM :	PART/DOC. NO.	FSC	NIIN	NALC	
	4211053-0001	1410	01-443-3029	PFB8	
	NOMEN: GUIDED WEAPON				
	S/N: SNG-10249				
	LOT: LRIP I				
FAILED PART:	4211053-0001	1410	01-443-3029	PFB8	
	NOMEN: GUIDED WEAPON				
	S/N: SNG-10249				
	LOT: LRIP I				

DESCRIPTION:

AGM-154A was loaded in accordance with A1-F18AE-LWS-610. Loading crew performed built in test check. System displayed JSAGO on the Digital Display Indicator when built in test was complete. After aircraft returned from flight the Aircrew reported that the system displayed Global Positioning Sattellite fail for the entire flight. Turned in missile to Weapons Department on the USS Theodore Roosevelt for disposition.

ACTION TAKEN:

29APR99: Request that asset serial number SNG-10249 be shipped to the Transportation Officer, McAlester Army Ammunition Plant.

28MAR00: The Weapon was tested at McAlester Army Ammunition Plant where it passed the All Up Round Built in Test, but failed the Surveillance Built In Test. The failure code was BE00, GPS. Additionally, a visual inspection was performed noting the following: Environmental cover was missing, left wing had a nick where the missile and the lower container cradle mates. Writing was also present on top front of the missile.

20SEP00: The Guidance Electronics Unit was removed from the missile and sent to Tucson where it was run across the Guidance Electronics Test Set. The failure was isolated to the oscillator.

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JOINT STAND-OFF WEAPON ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 16525

(Continued)

04JAN01: The Guidance Electronics Unit was inducted into the repair process. The oscillator was replaced.

04MAY01: The Guidance Electronics Unit has been repaired and is in route to Rita Road for final testing.

01JUN01: The Guidance Electronics Unit was integrated back into the weapon and it passed All Up Round Testing. The missile was transferred back to the Government. This is a chargeable Captive Carry Failure.

ACTION	:	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY		NAWC CHINA LAKE/47HJ00D	REQUEST ITEM		COMPLETE 06JUN01

REFERENCES	:	IDENTIFICATION	REFERENCE BRIEF
		VFA-87 MESSAGE 250830ZAPR99	PROBLEM REPORT
		NAWC CHINA LAKE/47HJ00D MESSAGE 291605ZAPR99	INTERIM RESPONSE
		MCALESTER AAP E-MAIL 28MAR00	STATUS UPDATE
		MCALESTER AAP E-MAIL 20SEP00	STATUS UPDATE
		MCALESTER AAP E-MAIL 04JAN01	STATUS UPDATE
		MCALESTER AAP E-MAIL 04MAY01	STATUS UPDATE
		MCALESTER AAP E-MAIL 01JUN01	ACCOUNT RECONCILIATON

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JOINT STAND-OFF WEAPON ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 16527

OPEN

END ITEM	NOMENCLATURE	PART/DOC. NO.	FSC	NIIN	NALC
:	JOINT STANDOFF WEAPON	4211009-002	1410	01-462-6500	PFB8
	JOINT STANDOFF WEAPON	4211009-2	1410	01-462-6500	PFB8
	GUIDED WEAPON	4211053-0001	1410	01-443-3029	PFB8

EI CNTRL NO:

PROB BRIEF : HUNG WEAPON

PROBLEM : Weapon failed to release from aircraft after intent to launch was
DESCRIPTION given.

PREVENTIVE : None.
ACTION

CORRECTIVE : Under investigation.
ACTION

OCCURRENCES:	SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
	USS HARRY S. TRUMAN (CVN-75)	CODR	V21853-01-0014	13MAR01	OPEN
	VMFA-312	CODR	M09253-01-0008	21FEB01	OPEN
	VFA-15	CODR	V09015-99-0028	04MAY99	CLOSED
	VFA-87	CODR	V63922-99-0007	01MAY99	CLOSED

ACTION :	USS HARRY S. TRUMAN (CVN-75)	CODR	V21853-01-0014	13MAR01	OPEN
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END ITEM	PART/DOC. NO.	FSC	NIIN	NALC
:	4211009-2	1410	01-462-6500	PFB8
	NOMEN: JOINT STANDOFF WEAPON			
	S/N: TDJ-10574			
	LOT: LRIP II			
FAILED PART:	4211009-2	1410	01-462-6500	PFB8
	NOMEN: JOINT STANDOFF WEAPON			
	S/N: TDJ-10574			
	LOT: LRIP II			

DESCRIPTION:

CVN-75 Harry S. Truman requested technical assistance from the Joint Standoff Weapon Program Office to conduct weapon Built In Test utilizing the AN/GYQ-79 test set. While conducting BIT, the following Weapon Fail Codes were identified: "DC00, PRO/PS". Per JSOW Representative, Weapon was placed in Condition Code "J" Pending disposition instructions.

**JOINT STAND-OFF WEAPON ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

PROBLEM NO: 16527

(Continued)

ACTION TAKEN:

28MAR01: JSOW Project office will provide a Technical Representative to perform a Combined Munition BIT Reprogramming Equipment Built in Test and reprogramming of weapon S/N TDJ-10574 to verify weapon failure, and to train and establish Combined Munition BIT Reprogramming Equipment capability for JSOW AGM-154 weapons. Disposition of JSOW Asset will be determined by Technical Representatives on site. Will notify All concerned upon completion of investigation.

03APR01: Conducted Shipboard Reprogramming and Built in Test of suspect JSOW AGM-154A Hung Weapon, S/N TDJ-10574. During Testing, the following failure codes were displayed, DC00, Pro/PS. Further results of error code logs indicated System and Actuator battery squibs had fired, and control section locking pins were unlocked. Further investigation showed failure of the Navigational Processor. Recommend weapon be returned to McAlester Army Ammunition Plant for complete investigation of failure.

03APR01: Concur with findings of Technical Representative. Place weapon S/N TDJ-10574 in Condition Code "F" and forward to Transportation Officer, McAlester Army Ammunition Plant.

01SEP00: Weapon received at McAlester Army Ammunition Plant. Weapon has not been inducted into repair yet.

ACTION	:	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY		NAWC CHINA LAKE/47HJ00D	SHIP ASSET TO MCALESTER AAP	26JUN01	OPEN

REFERENCES	:	IDENTIFICATION	REFERENCE BRIEF
		USS HARRY S. TRUMAN (CVN-75) MESSAGE 130832ZMAR01	PROBLEM REPORT
		NAWC CHINA LAKE/47HJ00D MESSAGE 281525ZMAR01	INTERIM RESPONSE
		NAWC CHINA LAKE/47HJ00D E-MAIL 03APR01	STATUS UPDATE
		NAWC CHINA LAKE/47HJ00D E-MAIL 03APR01	STATUS UPDATE; RESPONSE
		MCALESTER AAP E-MAIL 01SEP01	STATUS UPDATE

ACTION	:	VMFA-312	CODR	M09253-01-0008	21FEB01	OPEN
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END ITEM	:	PART/DOC. NO.	FSC	NIIN	NALC
		4211009-002	1410	01-462-6500	PFB8
		NOMEN: JOINT STANDOFF WEAPON			
		S/N: TDJ-10574			
		LOT: LRIP II			
FAILED PART:		4211009-002	1410	01-462-6500	PFB8
		NOMEN: JOINT STANDOFF WEAPON			
		S/N: TDJ-10574			

**JOINT STAND-OFF WEAPON ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

PROBLEM NO: 16527

(Continued)

PART/DOC. NO. FSC NIIN NALC
LOT: LRIP II

DESCRIPTION:

An aircraft returned from flight with a hung AGM-154. Procedures were complied with for intent to launch. Bomb pickle was held for five seconds and was not depressed more than once. The weapon was downloaded and turned into the USS Harry S. Truman's Weapon Division for disposition. A Mil-Std 1760 Release and Control Check was performed on the aircraft after the weapon was downloaded. The aircraft passed the electrical checks with no discrepancies.

ACTION TAKEN:

01MAR01: JSOW Project office will provide a Technical Representative to perform Combined Munition BIT Reprogramming Equipment Built in Test and reprogramming of weapon S/N TDJ-10574 to verify weapon failure, and to train and establish Combined Munition BIT Reprogramming Equipment capability for JSOW AGM-154 weapons. Disposition of JSOW Asset will be determined by Technical Representative on site. Will notify All concerned upon completion of investigation.

12MAR00: Conducted Shipboard Reprogramming and Built in Test of suspect JSOW AGM-154A Hung Weapon, S/N TDJ-10574. During Testing, the following failure codes were displayed, DC00, Pro/PS. Further results of error code logs indicated System and Actuator battery squibs had fired, and control section locking pins were unlocked. Further investigation showed failure of the Navigational Processor. Recommend weapon be returned to Mcalester Army Ammunition Plant for complete investigation of failure.

28MAR01: Concur with findings of Technical Representative. Place weapon S/N TDJ-10574 in Condition Code "F" and forward to the Transportation Officer, Mcalester Army Ammunition Plant.

01SEP01: Weapon received at Mcalester Army Ammunition Plant. Weapon has not been inducted into repair process at this time.

ACTION	:	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY		NAWC CHINA	SHIP ASSET TO	26JUN01	OPEN
		LAKE/47HJ00D	MCALESTER AAP		

REFERENCES	:	IDENTIFICATION	REFERENCE BRIEF
		VMFA-312 MESSAGE 211340ZFEB01	PROBLEM REPORT
		NAWC CHINA LAKE/47HJ00D MESSAGE 011546ZMAR01	INTERIM RESPONSE
		NAWC CHINA LAKE/47HJ00D E-MAIL 12MAR01	STATUS UPDATE

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JOINT STAND-OFF WEAPON ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 16527

(Continued)

REFERENCES :	IDENTIFICATION	REFERENCE BRIEF
	NAWC CHINA LAKE/47HJ00D MESSAGE	CONCURRENCE WITH FINDINGS;
	281525ZMAR01	DISPOSITION
	MCALESTER AAP E-MAIL 01SEP01	ACCOUNT RECONCILIATION;
		UPDATE

ACTION :	VFA-15	CODR	V09015-99-0028	04MAY99	CLOSED
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	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	4211053-0001	1410	01-443-3029	PFB8
	NOMEN: GUIDED WEAPON			
	S/N: SNG-10285			
	LOT: LRIP I			
FAILED PART:	4211053-0001	1410	01-443-3029	PFB8
	NOMEN: GUIDED WEAPON			
	S/N: SNG-10285			
	LOT: LRIP I			

DESCRIPTION:

Weapon loaded on VFA-87 Aircraft 164671 in accordance with loading procedures. Aircraft returned from flight with hung weapon. After a two and a half hour wait weapon was downloaded and turned in to weapons department on CVN-71. On 27 April the weapon was issued to VFA-15 for use. Weapon was loaded on aircraft 164646 station three and showed no 1760 MUX bus identification (????) attempts to resolve anomaly included: installation of two known good cables, removal and replacement of pylon encoder/decoders removal and replacement of stores management panel and loading on another aircraft (164673, station three) with no success. Weapon was turned in to CVN-71 weapons department. Weapon was then re-issued to VFA-87 to verify failure. Weapon was loaded on aircraft 164687 station three. Jumper bundles were changed with no success.

ACTION TAKEN:

17MAY99: Requested following information: What is condition of station two BRU-32 and encoder/decoder on aircraft 164671? Has aircraft station been utilized for other weapons delivery/missions? Request report additional information on Conventional Ammunition Inventory Management System entry of SNG-10286 under Condition Code "J". Is this a separate hung weapon? Additionally, place weapon serial number SNG-10285 in Condition Code "J" and ship to Naval Air Weapons Station China Lake.

18NOV99: Weapon Serial Number SNG-10285 arrived at China Lake All-Up-Round Integration Facility Building 10690. Built In Test of weapon utilizing the Raytheon Flight Line Test Set determined that weapon had been given Intent to Launch command. Upon removal of lower access panel, System Battery actuator squib was continuity

**JOINT STAND-OFF WEAPON ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

PROBLEM NO: 16527

(Continued)

tested and was found to be at an allowable 1.35 ohms indicating that the System Battery did not receive sufficient voltage to initiate the battery. The Actuator Battery was determined to have fired and was expended.

20SEP00: Weapon was sent to McAlester Army Ammunition Plant for wire harness and battery replacement, re-assembly, external surfaces repair, and payload rails replacement. Weapon was tested and passed Built in Test using the All Up Round Test Set. Weapon has been shipped to Port Hadlock for Fleet return.

23OCT00: After reviewing the F-18 electrical circuits diagrams for possible 28VDC#2 Power anomalies as a factor in Intent to Launch/Hung weapon, suspected the Station two 28VDC#2 relay and perhaps the associated circuit breaker. Contacted the Fleet Weapons Support Team Representative at Norfolk to see if they would do numerous AWM-96 test set checks on Station two 28VDC#2 circuit. They conducted 12 tests and noted two failures indicating an intermittent with less than allowable voltage on station two 28VDC#2 relay on the number 11 relay panel behind door 143L wing. It was also found that the aircraft Armament Computer failed and was found to have a bad A14 Card. Requested they remove the Station two 28VDC#2 relay and send to China Lake for test and inspection, located close to the wing root, top panel. Due to inaccessibility of relay location, shipment was delayed until aircraft was inducted for maintenance cycle. China Lake received the relay, noting it was a Deutsch Relay, Inc device and contacted Deutsch in New York. They volunteered to test the relay and noted it was an old relay, about 10 years old. It appeared that the arc barrier was damaged in the relay fabrication and some of the arc barrier material was on the relay contacts, thus causing intermittent operation. Deutsch indicated that since the manufacturer of that relay, they have made product improvements in the area that appeared to be the problem. Also note that 28VDC#2 does not get used by most weapons, only the MIL-STD-1760 weapons that utilize Release Consent. JSOW uses 28VDC#2 to power the circuit that fires the battery squibs. Problem will be monitored for further occurrences. Consider this closing action.

ACTION	:	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY		NAWC CHINA LAKE/47HJ00D	REQUEST ITEM		COMPLETE 23OCT00
REFERENCES	:	IDENTIFICATION			REFERENCE BRIEF
		VFA-15 MESSAGE 041600ZMAY99			PROBLEM REPORT
		NAWC CHINA LAKE/47HJ00D MESSAGE 171748ZMAY99			INTERIM RESPONSE
		NAWC CHINA LAKE/47HJ00D E-MAIL 18NOV99			WEAPON INVESTIGATION FINDINGS

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JOINT STAND-OFF WEAPON ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 16527

(Continued)

REFERENCES :	IDENTIFICATION	REFERENCE BRIEF
	MCALESTER AAP E-MAIL 20SEP00	ACCOUNT RECONCILIATION
	VFA-15 E-MAIL 23OCT00	FWST REP BRIEF OF FINDINGS

ACTION :	VFA-87	CODR	V63922-99-0007	01MAY99	CLOSED
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	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	4211053-0001	1410	01-443-3029	PFB8
	NOMEN: GUIDED WEAPON			
	S/N: SNG-10250			
	LOT: LRIP I			
FAILED PART:	4211053-0001	1410	01-443-3029	PFB8
	NOMEN: GUIDED WEAPON			
	S/N: SNG-10250			
	LOT: LRIP I			

DESCRIPTION:

AGM-154A was loaded in accordance with A1-F18AE-LWS-610. Loading crew performed built in test check. Results were system displayed JSAGO when built in test was completed. Aircraft was launched with no problems. Aircraft returned with weapon hung and unlocked following an attempted launch. Post flight weapon built in test resulted in question marks (????) being displayed on the digital display indicator stores format page. Loading crew changed out umbilical cable and performed built in test checks with same question mark results on display. Weapon was downloaded from station two and reloaded on station three. Built in tests were again performed with same result. Weapon was then downloaded and loaded onto a known good AGM-154 aircraft, built in test was again performed with same results. Weapon turned in to Weapons Department of USS Theodore Roosevelt for disposition.

ACTION TAKEN:

11MAY99: Problem investigation is ongoing. Weapon is required at NAWC China Lake for further tests. For USS Theodore Roosevelt Weapons Department: Place weapon serial number SNG-10250 in Condition Code "J" and ship to NAWC China Lake. Please confirm any similar occurrence by weapon serial number and exact deficiency.

21MAY99: Requesting Engineering Investigation on Aircraft 164671 Armament Computer as a result of unsuccessful AGM-154A weapons release. Performed pre-flight release and control checks in accordance with technical manuals. Missile built in test and pre-launch cockpit indications were normal. Following attempted weapons release, Digital display indicator showed Hung and Unlocked on stores format page and weapons degrade on built in test page. Pilot selected simulation mode and station two successfully transition to hung and locked. Following missile download, release

**JOINT STAND-OFF WEAPON ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

PROBLEM NO: 16527

(Continued)

and control verification, 1760 interface checks and troubleshooting were performed with no anomalies noted. Based upon guidance received from a telephone conference with Airborne Weapons Laboratory, NAWC China Lake, missile was loaded on a different aircraft, 164646 and failed to ID. Under the assumption that a weapon was the root cause of hung release attempt, a second weapon release was attempted with a new weapon from the same aircraft and station which resulted in an identical failure. Again, release and control verification and 1760 interface checks were performed and produced no failures.

27MAR00: Weapon arrived at All Up Round Integration Facility, Building 10690 China Lake California. Upon removal of the container lid, no significant visual discrepancies were noted. Upon connection to the Flight Line Test Set, the weapon would not ID, indicating tactical software had been erased. The error logs were up-loaded from the weapon, and included "actuator battery less than 47 volts", and "system battery timeout". These entries in the error log indicate that the weapon had attempted a launch, and that apparently neither battery activated properly. The error logs also contained several instances of intermittent Inertial Measurement Unit failures, but these are likely unrelated to the failed launch attempt. The weapon was re-programmed with 6.0.1.A Software, and then passed multiple cycles of built in tests. The new error logs showed no errors. The lower access panel was removed and the batteries visually inspected. Both batteries appeared in new condition and both had pink heat-indicating paint stripes (indicating not-fired). Nothing unusual was observed in the area around the batteries or the battery cables. Battery part numbers, serial numbers and lot numbers matched as-built configuration data previously researcher. The upper access panel was removed and the Electronic Safe and Arm Device and Wing Deployment Driver were disconnected for safety. The payload gas generator was removed from the payload, and the payload removed entirely from the airframe. The nose cone was removed, and all Guidance Electronic Unit connectors inspected. All connectors were fully seated (no red stripe visible). The J4 connector was removed and the continuity of both battery squibs were checked through the mid/aft cable from the J4 connector using a Valhalla meter. Both measured resistance within the expected range, indicating both battery squibs were still functional. Finally, the J3 connector was removed and the continuity of the 28VDC2 and 28VDC2 return lines from the 1760 connector were checked, and both were found to be good. The weapon was left disassembled pending further instructions.

28SEP00: Weapon returned to McAlester Army Ammunition Plant. Weapon received external surface repair, and payload rail replacement and weapon reassembly. The Weapon was tested and passed Built In Test using the All Up Round Test Set.

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JOINT STAND-OFF WEAPON ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 16527

(Continued)

10OCT00: Weapon was shipped to Port Hadlock for fleet return.
Problem will be monitored for further occurrences. Consider this
closing action.

ACTION	:	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY		NAWC CHINA LAKE/47HJ00D	ASSET REQUEST		COMPLETE 10OCT00

REFERENCES	:	IDENTIFICATION	REFERENCE BRIEF
		VFA-87 MESSAGE 011600ZMAY99	PROBLEM REPORT
		NAWC CHINA LAKE/47HJ00D MESSAGE 112000ZMAY99	INTERIM RESPONSE
		VFA-87 NAVAL MESSAGE 210700ZMAY99	EI REQUEST ON F/A-18C ARMAMENT COMPUTER
		NAWC CHINA LAKE/47HJ00D E-MAIL 27MAR00	WEAPON DETAIL INVESTIGATION
		MCALESTER AAP E-MAIL 28SEP00	STATUS UPDATE
		MCALESTER AAP E-MAIL 10OCT00	ACCOUNT RECONCILIATION

30-NOV-01

JOINT STAND-OFF WEAPON ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 16574 CLOSED

END ITEM : NOMENCLATURE PART/DOC. NO. FSC NIIN NALC
GUIDED WEAPON 4211053-2 1410 01-443-3029 PFB8

EI CNTRL NO:

PROB BRIEF : POST FLIGHT INSPECTION MISSING COATING/PAINT

PROBLEM : During postflight inspection weapon found to be missing
DESCRIPTION coating/paint.

PREVENTIVE : None.
ACTION

CORRECTIVE : Under investigation.
ACTION

	SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
OCCURRENCES:	VFA-195	CODR	R09706-99-0046	12JUL99	CLOSED
ACTION :	VFA-195	CODR	R09706-99-0046	12JUL99	CLOSED

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	4211053-2	1410	01-443-3029	PFB8
	NOMEN: GUIDED WEAPON			
	S/N: SNG-10276			
	LOT: LRIP I			
FAILED PART:	4211053-2	1410	01-443-3029	PFB8
	NOMEN: GUIDED WEAPON			
	S/N: SNG-10276			
	LOT: LRIP I			

DESCRIPTION:

During postflight inspection of the AGM-154A, the ground crew noted a section of coating in the area of the aft hook on the strong back assembly to be torn away during flight. The AGM-154A serial number SNG-10276 was turned in to CV-63 Weapons Department pending disposition instructions.

ACTION TAKEN:

15JUL99: Request the following information be provided on AGM-154A serial number SNG-10276: Measurements of missing section of material including length, depth, width and exact location of damage. Additionally, provide photos if available.

16JUL99: Information provided by G3 Weapons Department; Length of missing section: three and a half inches, depth is 1/16 inch. Width is half an inch at widest area. Pictures provided.

**JOINT STAND-OFF WEAPON ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

PROBLEM NO: 16574

(Continued)

28JUL99: Request weapon be shipped to Mcalester Army Ammunition Plant for investigation of loose/missing coating.

01APR00: Weapon inducted into Mcalester Army Ammunition Plant for inspection of coating/postflight damage. Investigation was inconclusive. Manufacturing process and application of coating has been reviewed.

20SEP00: Weapon had external surfaces repaired, payload rails replaced and passed built in test on the All Up round Test Set. Weapon was shipped to Port Hadlock for Fleet return. Problem will be monitored for further occurrences. Consider this closing action.

ACTION	:	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY		NAWC CHINA LAKE/47HJ00D	INVESTIGATE OCCURRENCE	COMPLETE 20SEP00	

REFERENCES	:	IDENTIFICATION	REFERENCE BRIEF
		VFA-195 MESSAGE 121300ZJUL99	PROBLEM REPORT
		NAWC CHINA LAKE/47HJ00D MESSAGE 151641ZJUL99	INTERIM RESPONSE
		USS KITTY HAWK (CV-63) E-MAIL 16JUL99	MEASUREMENTS/PHOTOS PROVIDED
		NAWC CHINA LAKE/47HJ00D MESSAGE 281537ZJUL99	ADDITIONAL RESPONSE
		MCALESTER AAP E-MAIL 01APR00	STATUS UPDATE
		MCALESTER AAP E-MAIL 20SEP00	ACCOUNT RECONCILIATION

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JOINT STAND-OFF WEAPON ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 16685 CLOSED

END ITEM : NOMENCLATURE PART/DOC. NO. FSC NIIN NALC
GUIDED WEAPON 4211053-2 1410 01-443-3029 PFB8

EI CNTRL NO:

PROB BRIEF : WEAPON DAMAGED DUE TO SUPPORT EQUIPMENT FAILURE

PROBLEM : Round damaged due to support equipment failure.
DESCRIPTION

PREVENTIVE : Ensure Support equipment is serviceable prior to utilization.
ACTION

CORRECTIVE : Under investigation.
ACTION

	SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
OCCURRENCES:	VFA-146	CODR	R09063-00-0009	10MAR00	CLOSED
ACTION :	VFA-146	CODR	R09063-00-0009	10MAR00	CLOSED

END ITEM :	PART/DOC. NO.	FSC	NIIN	NALC
	4211053-2	1410	01-443-3029	PFB8
	NOMEN: GUIDED WEAPON			
	S/N: TDJ-10537			
	LOT: LRIP II			
FAILED PART:	4211053-2	1410	01-443-3029	PFB8
	NOMEN: GUIDED WEAPON			
	S/N: TDJ-10537			
	LOT: LRIP II			

DESCRIPTION:

AGM-154 was downloaded in accordance with technical publications. HLU-196B/E Bomb Hoisting Unit preoperational inspection was conducted in accordance with publications. Bomb hoist, hoist adapters and trolleys were positioned and properly rigged on station three. MHU-191 with ADU-775/E was positioned under AGM-154A. Pins were checked, hoist in hoist load, slack was removed from hoist cable, quarter turn applied and clutch lever safety lock was fully engaged. Pins were verified again. Personnel were position fore and aft. Team leader unlocked and released the BRU-32A/A supporting the loaded AGM-154A. Weapon had an uncontrolled decent into the ADU-775/E. The HLU-196B/E was immediately post inspected per the technical publications. The clutch lever safety lock was still in the load position. The HLU-196B/E was turned in and tested, failing the load test. The AGM-154A was inspected and found the strongback area damaged where the ADU-783/E Trolley Adapters mount to the weapon. Weapon was turned into USS John C. Stennis Weapons Department for further inspection. AGM-154A awaiting disposition.

**JOINT STAND-OFF WEAPON ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

PROBLEM NO: 16685

(Continued)

ACTION TAKEN:

16MAR00: Discrepancy report has been entered for tracking. For G-3 Weapons Division, place asset serial number TDJ-10537 in Condition Code "F" and ship to Naval Air Weapons Station China Lake.

23OCT00: Inducted into McAlester Army Ammunition Plant for inspection/repair: One fin was repaired where the coating material was knocked off. The Control Section was removed from the weapon and sent to TRW for Failure Analysis.

04JAN01: TRW reported the control section passed acceptance testing and thus the control section is still in working order. The control section was sent to McAlester Army Ammunition Plant for installation.

01FEB01: Control Section was integrated with the weapon and and the All Up Round built in test was performed with passing results. Weapon has been shipped to Port Hadlock for return to the Fleet. Problem will be monitored for further occurrences. Consider this closing action.

ACTION	:	ACTIVITY/CODE	ASSIGNMENT	DUE DATE STATUS
SUMMARY		NAWC CHINA LAKE/47HJ00D	REVIEW DEFICIENCY	COMPLETE 01FEB01

REFERENCES	:	IDENTIFICATION	REFERENCE BRIEF
		VFA-146 MESSAGE 101200ZMAR00	PROBLEM REPORT
		NAWC CHINA LAKE/47HJ00D MESSAGE 162010ZMAR00	INTERIM RESPONSE
		MCALESTER AAP E-MAIL 23OCT00	STATUS UPDATE
		MCALESTER AAP E-MAIL 04JAN01	STATUS UPDATE
		MCALESTER AAP E-MAIL 01FEB01	ACCOUNT RECONCILIATION