

# HA(L)-3 AIRCRAFT MISHAP STATISTICS

FY 70

|                                                |     |
|------------------------------------------------|-----|
| A. Aircraft Accidents                          | 12  |
| Enclosure (1) - Operational                    | 11  |
| Enclosure (2) - Direct Enemy Action            | 1   |
| B. Aircraft Incidents                          | 184 |
| Enclosure (3) - Operational                    | 56  |
| Enclosure (4) - Ordnance                       | 58  |
| Enclosure (5) - Direct Enemy Action (Airborne) | 70  |
| C. Ground Accidents                            | 22  |
| Enclosure (6) - Operational                    | 13  |
| Enclosure (7) - Ordnance                       | 4   |
| Enclosure (8) - Direct Enemy Action (Ground)   | 5   |

In order to provide a platform from which to evaluate the numbers of accidents and incidents shown above, the following data is offered:

1. HA(L)-3 flew 33,765 hours in the combat zone in FY 70
2. HA(L)-3 expended ordnance as follows:

87,903 aerial rockets (2.75 inch)  
 20,813,360 rounds of 7.62 mm ammunition  
 1,267,909 rounds of .50 Cal ammunition  
 22,947 rounds of 40 mm ammunition

OPERATIONAL AIRCRAFT ACCIDENTS

| ITEM | REPORT SER | DATE      | INCIDENT                                                                                                          | DAMAGE  | INJURY                         | REMARKS                                                                  |
|------|------------|-----------|-------------------------------------------------------------------------------------------------------------------|---------|--------------------------------|--------------------------------------------------------------------------|
| 1.   | 1-70a      | 13 AUG 69 | Aircraft flew into water following LST takeoff.                                                                   | ALFA    | 1 ALFA<br>1 BRAVO<br>2 FOXTROT | Caused by pilot disorientation.                                          |
| 2.   | 2-70a      | 29 AUG 69 | Aircraft taxiing into revetment adjacent to turning aircraft. Rotor blades contacted.                             | CHARLIE | None                           | None                                                                     |
| 3.   | 3-70a      | 15 SEP 69 | Aircraft flew into water following LST takeoff.                                                                   | ALFA    | 2 ALFA<br>2 BRAVO              | Caused by pilot disorientation.                                          |
| 4.   | 4-70a      | 22 SEP 69 | Lost engine power on short final. Hit rice paddy dike.                                                            | CHARLIE | None                           | None                                                                     |
| 5.   | 5-70A      | 17 SEP 69 | Hard landing following practice autorotation                                                                      | CHARLIE | None                           | None                                                                     |
| 6.   | 6-70a      | 3 DEC 69  | Lost engine power on short final. Hit in rice paddy, skidded into canal.                                          | ALFA    | None                           | None                                                                     |
| 7.   | 7-70a      | 14 DEC 69 | Lead ship went low and close to ship, reversed course into trail ship. Trail pulled up, lost turns and hit water. | ALFA    | 1 ALFA<br>2 FOXTROT            | None                                                                     |
| 8.   | 8-70a      | 13 APR 70 | Over deck edge lost tail rotor control, ditched aircraft at sea.                                                  | ALFA    | None                           | Bolt connecting tail rotor servo to system came out. L/C just out of P.E |
| 9.   | 9-70a      | 26 APR 70 | Lost tail rotor control in confined area.                                                                         | ALFA    | None                           | None                                                                     |
| 10.  | 10-70A     | 8 MAY 70  | Aircraft flew into water following YRBM takeoff.                                                                  | ALFA    | None                           | Caused by pilot disorientation                                           |
| 11.  | 12-70a     | 1 JUN 70  | Lost rotor turns, threw blade and crashed                                                                         | ALFA    | 3 ALFA                         | Cause of losing turns undetermined.                                      |

DIRECT ENEMY ACTION CAUSED AIRCRAFT ACCIDENTS

| ITEM | REPORT SER | DATE      | INCIDENT                                                                                                            | DAMAGE | INJURY | REMARKS                                                                               |
|------|------------|-----------|---------------------------------------------------------------------------------------------------------------------|--------|--------|---------------------------------------------------------------------------------------|
| 1.   | 11-70A     | 22 MAY 70 | Aircraft received heavy automatic weapons fire, lost oil pressure and engine power. Made forced night autorotation. | ALIE   | None   | Aircraft was destroyed due to close proximity of heavy concentrations of enemy troops |

OPERATIONAL AIRCRAFT INCIDENTS

| ITEM | REPORT SER | DATE      | INCIDENT                                                 | DAMAGE | INJURY | REMARKS                                                                                                    |
|------|------------|-----------|----------------------------------------------------------|--------|--------|------------------------------------------------------------------------------------------------------------|
| 1.   | 4-70I      | 21 AUG 69 | Engine failure due to turbine blade separation           | ECHO   | None   | Pilot made autorotation to safe landing.                                                                   |
| 2.   | 5-70I      | 24 AUG 69 | Skid bracket torn lose                                   | ECHO   | None   | Pilot lifted with aft cyclic                                                                               |
| 3.   | 13-70I     | 26 SEP 69 | Main rotor blade drag brace broke in flight              | ECHO   | None   | UR-01 submitted                                                                                            |
| 4.   | 14-70I     | 1 OCT 69  | Lost tail rotor control                                  | ECHO   | None   | Turnbuckle backed off due to lack of safety wire after adjustments.                                        |
| 5.   | 15-70I     | 3 OCT 69  | Hard landing from practice autorotation, spreading skids | ECHO   | None   | None                                                                                                       |
| 6.   | 16-70I     | 15 OCT 69 | Collective input lever broke on turnup                   | ECHO   | None   | Re-classified as 6-70G                                                                                     |
| 7.   | 28-70I     | 12 NOV 69 | Creased both rotor blades                                | ECHO   | None   | Aircraft was on a "T" boat for MEDEVAC when another "T" boat passed under the rotor disk with antennae up. |
| 8.   | 30-70I     | 13 NOV 69 | Engine FODed                                             | ECHO   | None   | Safety wire found in sand/air separator                                                                    |
| 9.   | 31-70I     | 15 NOV 69 | Chin bubble cracked                                      | ECHO   | None   | Improperly installed                                                                                       |
| 10.  | 32-70I     | 26 NOV 69 | Engine overtemped on start                               | ECHO   | None   | Got hung start, continued cranking too long                                                                |
| 11.  | 36-70I     | 25 NOV 69 | Rotor blade cut by flying debris                         | ECHO   | None   | U.S. Army helo taxied past turning helo, rotor wash picked up debris                                       |
| 12.  | 40-70I     | 6 DEC 69  | FM antenna cut off by tail rotor                         | ECHO   | None   | None                                                                                                       |
| 13.  | 41-70I     | 6 DEC 69  | Sync elevator cracked due to fatigue                     | ECHO   | None   | None                                                                                                       |

|     | REPORT SER | DATE                 | INCIDENT                                                                | DAMAGE  | INJURY | REMARKS                                                                                                                |
|-----|------------|----------------------|-------------------------------------------------------------------------|---------|--------|------------------------------------------------------------------------------------------------------------------------|
| 14. | 55-70I     | 21 DEC 69            | Main rotor blades damaged by trees                                      | ECHO    | None   | Landing in confined area                                                                                               |
| 15. | 63-70I     | 3 JAN 70             | Engine failure - fuel contamination                                     | FOXTROT | None   | Pilot autorotated to safe landing                                                                                      |
| 16. | 69-70I     | 8 JAN 70             | Engine FODed                                                            | ECHO    | None   | DEUS fastener came off engine baffling.                                                                                |
| 17. | 70-70I     | Details not in files |                                                                         |         |        |                                                                                                                        |
| 18. | 71-70I     | 9 JAN 70             | Tip cap thrown off main rotor blade                                     | ECHO    | None   | None                                                                                                                   |
| 19. | 72-70I     | 9 JAN 70             | Tip cap thrown off main rotor blade                                     | ECHO    | None   | Same aircraft as in ITEM 23 above                                                                                      |
| 20. | 83-70I     | 23 JAN 70            | Settled on takeoff from IST                                             | FOXTROT | None   | Pilot dropped rocket pods and rockets                                                                                  |
| 21. | 90-70I     | 31 JAN 70            | Droop compensator failed                                                | ECHO    | None   | None                                                                                                                   |
| 22. | 91-70I     | 31 JAN 70            | Crewman's seat belt released allowing him to fall out over landing zone | FOXTROT | None   | None                                                                                                                   |
| 23. | 92-70I     | 5 FEB 70             | Teflon trunnion bearing came apart                                      | ECHO    | None   | Safety UR 070614Z FEB submitted                                                                                        |
| 24. | 93-70I     | 4 FEB 70             | Aircraft settled on final approach to IST                               | FOXTROT | None   | Pilot dropped rocket pods and rockets                                                                                  |
| 25. | 94-70I     | 31 JAN 70            | Fork lift hit aircraft while unloading crates                           | ECHO    | None   | Re-classified as 18-70G                                                                                                |
| 26. | 95-70I     | 4 JAN 70             | Hydraulic line, Nr 2 system, chaffed and ruptured                       | ECHO    | None   | UR-10 submitted                                                                                                        |
| 27. | 101-70I    | 16 FEB 70            | Engine tack failed, gave low RPM warning                                | FOXTROT | None   | Pilot entered autorotation, checked gauges and noted engine operating, checked power OK and returned for safe landing. |
| 28. | 107-70I    | 20 FEB 70            | Teflon trunnion bearing came apart                                      | ECHO    | None   | None                                                                                                                   |
| 29. | 113-70I    | 24 FEB 70            | Aircraft settled on takeoff from IST                                    | FOXTROT | None   | Pilot dropped rocket pods and rockets                                                                                  |

|     | REPORT SER | DATE      | INCIDENT                                                  | DAMAGE  | INJURY | REMARKS                                                                                     |
|-----|------------|-----------|-----------------------------------------------------------|---------|--------|---------------------------------------------------------------------------------------------|
| 30. | 115-70I    | 25 FEB 70 | Engine FODed                                              | ECHO    | None   | None                                                                                        |
| 31. | 116-70I    | 28 FEB 70 | Lost transmission oil pressure                            | ECHO    | None   | Found metal in oil                                                                          |
| 32. | 117-70I    | 23 FEB 70 | Engine FODed                                              | ECHO    | None   | None                                                                                        |
| 33. | 120-70I    | 5 MAR 70  | Aircraft struck ground following night waveoff            | ECHO    | None   | None                                                                                        |
| 34. | 121-70I    | 9 MAR 70  | Oil cooler impellor came apart in flight                  | ECHO    | None   | None                                                                                        |
| 35. | 122-70I    | 10 MAR 70 | Stabilizer bar separated in flight                        | ECHO    | None   | None                                                                                        |
| 36. | 124-70I    | 8 MAR 70  | Oil leakage from ruptured "O" ring due to improper torque | ECHO    | None   | None                                                                                        |
| 37. | 125-70I    | 8 MAR 70  | Hydraulic line, Nr 2 system chaffed and ruptured          | ECHO    | None   | None                                                                                        |
| 38. | 126-70I    | 11 MAR 70 | Rear cross tube support bracket broken                    | ECHO    | None   | Fatigue                                                                                     |
| 39. | 129-70I    | 11 MAR 70 | Cargo door fell off in flight                             | ECHO    | None   | None                                                                                        |
| 40. | 133-70I    | 19 MAR 70 | Aircraft settled on takeoff over water                    | FOXTROT | None   | Pilot jettisoned rocket pods and rockets                                                    |
| 41. | 134-70I    | 20 MAR 70 | Main rotor blades damaged                                 | ECHO    | None   | On touchdown in confined area, aircraft rocked forward allowing blades to strike low trees. |
| 42. | 135-70I    | 27 MAR 70 | Cargo door fell off in flight                             | ECHO    | None   | None                                                                                        |
| 43. | 137-70I    | 23 MAR 70 | Engine failure in flight                                  | ECHO    | None   | Heavy aircraft and hard autorotational landing collapsed cross tubes                        |
| 44. | 138-70I    | 27 MAR 70 | Cargo door fell off in flight                             | ECHO    | None   | None                                                                                        |
| 45. | 146-70I    | 2 APR 70  | Aircraft settled on takeoff from YREM                     | FOXTROT | None   | Pilot jettisoned rocket pods and rockets                                                    |

| ITEM | REPORT SER | DATE      | INCIDENT                                                | DAMAGE  | INJURY | REMARKS                                                                                |
|------|------------|-----------|---------------------------------------------------------|---------|--------|----------------------------------------------------------------------------------------|
| 46.  | 149-70I    | 14 APR 70 | Skid shoe torn off during practice autorotation         | ECHO    | None   | Landed on PSP                                                                          |
| 47.  | 150-70I    | 22 MAR 70 | Hoist gullotined                                        | FOXTROT | None   | Faulty wiring                                                                          |
| 48.  | 153-70I    | 27 APR 70 | Bent skid on lift-off attempt                           | ECHO    | None   | Aircraft stuck in soft tar mat                                                         |
| 49.  | 156-70I    | 3 MAY 70  | Chin bubble broken                                      | ECHO    | None   | Collided with fruit bat                                                                |
| 50.  | 157-70I    | 3 MAY 70  | Cargo door fell off in flight                           | ECHO    | None   | None                                                                                   |
| 51.  | 160-70I    | 12 MAY 70 | Cargo door fell off in flight                           | ECHO    | None   | None                                                                                   |
| 52.  | 165-70I    | 22 MAY 70 | Struck tail boom on <b>LST</b> safety net               | ECHO    | None   | LSE fell while aircraft was on short final, pilot pulled back cyclic, struck net fence |
| 53.  | 166-70I    | 24 MAY 70 | 33" section of main rotor blade separated in flight     | ECHO    | None   | Pilot autorotated to safe night landing                                                |
| 54.  | 171-70I    | 5 JUN 70  | Mounting bracket for lift link broken from transmission | ECHO    | None   | None                                                                                   |
| 55.  | 178-70I    | 23 JUN 70 | Precautionary landing due to high oil temp              | ECHO    | None   | Oil bypass valve failed                                                                |
| 56.  | 179-70I    | 26 JUN 70 | Stabilizer bar broke in flight                          | ECHO    | None   | None                                                                                   |

| ITEM   | REPORT SER | DATE      | INCIDENT                                                   | DAMAGE  | INJURY | REMARKS                                                                                                           |
|--------|------------|-----------|------------------------------------------------------------|---------|--------|-------------------------------------------------------------------------------------------------------------------|
| 32 15. | 42-70I     | 3 DEC 69  | Brassed tail rotor                                         | ECHO    | None   | None                                                                                                              |
| 33 16. | 43-70I     | 4 DEC 69  | Flash suppressor come off .50 Cal machine gun while firing | ECHO    | None   | None                                                                                                              |
| 34 17. | 47-70I     | 7 DEC 69  | .50 Cal round exploded in receiver                         | FOXTROT | None   | After shooting 700 rounds of APIT, barrell warped round lodged and next round went off without seating in chamber |
| 35 18. | 48-70I     | 14 DEC 69 | Brassed main rotor blade                                   | ECHO    | None   | Trail ship too close behind lead aircraft                                                                         |
| 36 19. | 49-70I     | 14 DEC 69 | Gunner shot aircraft                                       | ECHO    | None   | None                                                                                                              |
| 37 20. | 50-70I     | 16 DEC 69 | Rocket burned in tube                                      | FOXTROT | None   | Pod was jettisoned                                                                                                |
| 38 21. | 51-70I     | 19 DEC 69 | Minigun went off on deck hitting co-pilot's open door      | ECHO    | None   | Re-classified as 11-70G                                                                                           |
| 39 22. | 57-70I     | 24 DEC 69 | Brassed tail rotor                                         | ECHO    | None   | None                                                                                                              |
| 40 23. | 58-70I     | 28 DEC 69 | M-60 Jammed and cocked off                                 | ECHO    | Minor  | Barrel had been removed from gun when it cocked-off. Shrapnel hit gunner                                          |
| 41 24. | 59-70I     | 1 JAN 70  | .50 Cal machine gun mount broke off in flight              | FOXTROT | None   | None                                                                                                              |
| 42 25. | 67-70I     | 4 JAN 70  | Minigun fired while installing safing sector               | FOXTROT | None   | None                                                                                                              |
| 43 26. | 68-70I     | 4 JAN 70  | Rocket burned in tube                                      | FOXTROT | None   | None                                                                                                              |
| 44 27. | 75-70I     | 10 JAN 70 | Rocket cap hit sync clevator                               | ECHO    | None   | None                                                                                                              |
| 45 28. | 76-70I     | 15 JAN 70 | Brassed tail rotor                                         | ECHO    | None   | None                                                                                                              |



|     | REPORT SER | DATE      | INCIDENT                                                 | DAMAGE  | INJURY | REMARKS                                                   |
|-----|------------|-----------|----------------------------------------------------------|---------|--------|-----------------------------------------------------------|
| 29. | 77-70I     | 18 JAN 70 | Gunner shot aircraft                                     | ECHO    | None   | None                                                      |
| 30. | 78-70I     | 14 JAN 70 | Gunner shot aircraft                                     | ECHO    | None   | None                                                      |
| 31. | 80-70I     | 16 JAN 70 | Brassed tail rotor                                       | ECHO    | None   | None                                                      |
| 32. | 81-70I     | 18 JAN 70 | Sagami mounted M-60 flash suppressor hit by minigun fire | ECHO    | None   | None                                                      |
| 33. | 82-70I     | 20 JAN 70 | Gunner shot aircraft                                     | ECHO    | None   | None                                                      |
| 34. | 89-70I     | 27 JAN 70 | M-60 jammed and cooked off                               | FOXTROT | Minor  | Round cooked off while gunner was attempting to clear gun |
| 35. | 99-70I     | 10 FEB 70 | Gunner shot aircraft                                     | ECHO    | None   | None                                                      |
| 36. | 100-70I    | 11 FEB 70 | Brassed tail rotor                                       | ECHO    | None   | None                                                      |
| 37. | 102-70I    | 16 FEB 70 | Brassed tail rotor                                       | ECHO    | None   | None                                                      |
| 38. | 108-70I    | 5 FEB 70  | Rocket cap hit sync elevator                             | ECHO    | None   | None                                                      |
| 39. | 109-70I    | 28 FEB 70 | Lost minigun from aircraft in flight                     | FOXTROT | None   | None                                                      |
| 40. | 110-70I    | 22 FEB 70 | Brassed tail rotor                                       | ECHO    | None   | None                                                      |
| 41. | 114-70I    | 24 FEB 70 | Brassed tail rotor                                       | ECHO    | None   | None                                                      |
| 42. | 123-70I    | 7 MAR 70  | Brassed tail rotor                                       | ECHO    | None   | None                                                      |
| 43. | 127-70I    | 17 MAR 70 | Gunner shot aircraft                                     | ECHO    | None   | None                                                      |
| 44. | 128-70I    | 13 MAR 70 | Gunner shot aircraft                                     | ECHO    | None   | None                                                      |
| 45. | 136-70I    | 28 MAR 70 | Rocket cap hit sync elevator                             | ECHO    | None   | None                                                      |

|     | REPORT SER | DATE      | INCIDENT                            | DAMAGE  | INJURY | REMARKS                                                                                                                                              |
|-----|------------|-----------|-------------------------------------|---------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| 46. | 148-70I    | 5 APR 70  | Brassed tail rotor                  |         |        |                                                                                                                                                      |
| 47. | 145-70I    | 3 APR 70  | .50 Cal machine gun cooked off      | ECHO    | None   | None                                                                                                                                                 |
| 48. | 147-70I    | 6 APR 70  | Rocket burned in tube               | FOXTROT | None   | None                                                                                                                                                 |
| 49. | 148-70I    | 7 APR 70  | M-60 machine gun fell off in flight | FOXTROT | None   | None                                                                                                                                                 |
| 50. | 151-70I    | 9 APR 70  | M-60 machine gun fell off in flight | FOXTROT | None   | None                                                                                                                                                 |
| 51. | 152-70I    | 23 APR 70 | Brassed tail rotor with .50 Cal     | FOXTROT | None   | None                                                                                                                                                 |
| 52. | 155-70I    | 27 APR 70 | Lost rocket pod from aircraft       | ECHO    | None   | None                                                                                                                                                 |
| 53. | 158-70I    | 3 MAY 70  | Rocket cap hit sync elevator        | FOXTROT | None   | None                                                                                                                                                 |
| 54. | 159-70I    | 7 MAY 70  | Gunner shot aircraft                | ECHO    | None   | None                                                                                                                                                 |
| 55. | 170-70I    | 4 JUN 70  | .50 Cal round exploded in receiver  | ECHO    | None   | None                                                                                                                                                 |
|     |            |           |                                     | FOXTROT | Minor  | Slight powder burns to lips. Aviation .50 Cal firing rate had been slowed allowing excessive head spacing. Round was not chambered when it went off. |
| 56. | 172-70I    | 14 JUN 70 | Rocket burned in tube               |         |        |                                                                                                                                                      |
| 57. | 176-70I    | 18 JUN 70 | M-60 jammed and cooked-off          | FOXTROT | None   | None                                                                                                                                                 |
|     |            |           |                                     | FOXTROT | Minor  | While clearing jam, the round cooked off. Gunner was injured because his visor was not down                                                          |
| 58. | 180-70I    | 21 JUN 70 | Gunner shot aircraft                | ECHO    | None   | Pilot made rapid control movement to dodge falling flare from VNAF aircraft                                                                          |

FY 70 DIRECT ENEMY ACTION MISHAPS (AIRBORNE)

| ITEM | REPORT SER | DATE      | INCIDENT                                                    | DAMAGE  | INJURY | REMARKS                                                                              |
|------|------------|-----------|-------------------------------------------------------------|---------|--------|--------------------------------------------------------------------------------------|
| 1.   | 7-70I      | 22 AUG 69 | Took hit in flex line to pylon                              | ECHO    | None   | None                                                                                 |
| 2.   | 8-70I      | 29 AUG 69 | Took several hits while covering "Slick" in landing zone    | ECHO    | Minor  | Gunner took hit in leg                                                               |
| 3.   | 11-70I     | 18 SEP 69 | Aircraft sprayed with automatic small caliber weapons       | ECHO    | None   | Numerous holes in aircraft from chin bubble to sync elevator                         |
| 4.   | 12-70I     | 19 SEP 69 | Aircraft took single small caliber round through tail pylon | ECHO    | None   | None                                                                                 |
| 5.   | 18-70I     | 27 OCT 69 | Aircraft hit by small caliber round through sync elevator   | ECHO    | None   | None                                                                                 |
| 6.   | 19-70I     | 25 OCT 69 | Aircraft took single round through bottom of fuselage       | ECHO    | None   | None                                                                                 |
| 7.   | 22-70I     | 29 OCT 69 | Aircraft hit by two small caliber rounds in cabin overhead  | ECHO    | None   | None                                                                                 |
| 8.   | 23-70I     | 31 OCT 69 | Took round in hydraulic flex line to pylon                  | ECHO    | None   | None                                                                                 |
| 9.   | 25-70I     | 15 NOV 69 | Forward cabin hit by single round                           | ECHO    | None   | None                                                                                 |
| 0.   | 26-70I     | 17 NOV 69 | Main rotor blade hit by single round                        | ECHO    | None   | None                                                                                 |
| 1.   | 27-70I     | 12 NOV 69 | Aircraft received shrapnel from RPG                         | ECHO    | None   | None                                                                                 |
| 2.   | 33-70I     | 23 NOV 69 | Door gunner hit in foot                                     | FOXTROT | Minor  | None                                                                                 |
| 3.   | 34-70I     | 26 NOV 69 | Aircraft hit by shrapnel                                    | ECHO    | None   | Command detonated, home made claymore type mine, shrapnel hit aircraft at 1400 foot. |
| 4.   | 38-70I     | 26 NOV 69 | Took hit in rocket tube                                     | FOXTROT | None   | Ignited rocket motor. Pilot jettisoned                                               |

| ITEM | REPORT SER | DATE      | INCIDENT                                                            | DAMAGE | INJURY | REMARKS                                                                          |
|------|------------|-----------|---------------------------------------------------------------------|--------|--------|----------------------------------------------------------------------------------|
| 15.  | 44-70I     | 6 DEC 69  | Shrapnel hit pilot's overhead window                                | ECHO   | None   | 107 mm rocket shrapnel hit aircraft on ground. Report re-classified as so 15-70G |
| 16.  | 45-70I     | 11 DEC 69 | Single round hit electronics compartment                            | ECHO   | None   | None                                                                             |
| 17.  | 46-70I     | 11 DEC 69 | Aircraft took hit in tail boom                                      | ECHO   | None   | None                                                                             |
| 18.  | 52-70I     | 15 DEC 69 | Single round hit aircraft in cockpit                                | ECHO   | None   | None                                                                             |
| 19.  | 53-70I     | 16 DEC 69 | Single round hit tail boom                                          | ECHO   | None   | None                                                                             |
| 20.  | 54-70I     | 16 DEC 69 | Single round severed push pull rod on co-pilot's rudder pedal       | ECHO   | None   | None                                                                             |
| 21.  | 56-70I     | 21 DEC 69 | Took round through main rotor blade                                 | ECHO   | None   | None                                                                             |
| 22.  | 60-70I     | 22 DEC 69 | Took round through main rotor blade                                 | ECHO   | None   | None                                                                             |
| 23.  | 61-70I     | 23 DEC 69 | Shrapnel damage from RPG in tail section                            | ECHO   | None   | None                                                                             |
| 24.  | 62-70I     | 23 DEC 69 | Single round through #4 tail rotor drive shaft cover                | ECHO   | None   | None                                                                             |
| 25.  | 64-70I     | 28 DEC 69 | Small caliber rounds through tail cone and fuselage                 | ECHO   | None   | None                                                                             |
| 26.  | 65-70I     | 30 DEC 69 | Single hit through #5 tail rotor drive shaft cover                  | ECHO   | None   | None                                                                             |
| 27.  | 66-70I     | 3 JAN 70  | Numerous small caliber rounds through fuselage and into pylon mount | ECHO   | None   | None                                                                             |
| 28.  | 73-70I     | 7 JAN 70  | Small caliber rounds through pilots door and main rotor blade       | ECHO   | None   | None                                                                             |

| ITEM | REPORT SER | DATE      | INCIDENT                                                           | DAMAGE  | INJURY | REMARKS                             |
|------|------------|-----------|--------------------------------------------------------------------|---------|--------|-------------------------------------|
| 29.  | 74-70I     | 9 JAN 70  | Small caliber round through sync elevator                          | ECHO    | None   | None                                |
| 30.  | 79-70I     | 15 JAN 70 | Small caliber round through oil cooler                             | ECHO    | None   | Pilot made precautionary landing    |
| 31.  | 84-70I     | 8 JAN 70  | Small caliber round through engine cowl                            | ECHO    | None   | None                                |
| 32.  | 85-70I     | 24 JAN 70 | Small caliber round through chin bubble                            | ECHO    | None   | None                                |
| 33.  | 86-70I     | 26 JAN 70 | Small caliber rounds hit lower fuselage and door gunner            | ECHO    | None   | None                                |
| 34.  | 87-70I     | 26 JAN 70 | Small caliber round hit cabin overhead                             | ECHO    | None   | None                                |
| 35.  | 88-70I     | 27 JAN 70 | Small caliber round through tail pylon                             | ECHO    | None   | None                                |
| 36.  | 96-70I     | 8 FEB 70  | Received numerous small caliber hits in skid, tail boom and engine | ECHO    | None   | Aircraft was making seal extraction |
| 37.  | 97-70I     | 8 FEB 70  | Received numerous small caliber hits in cockpit section            | ECHO    | None   | Aircraft was making seal extraction |
| 38.  | 98-70I     | 8 FEB 70  | Small caliber round in fuselage                                    | ECHO    | None   | Hit during low level recon          |
| 39.  | 103-70I    | 11 FEB 70 | Gunner hit in arm                                                  | FOXTROT | Minor  | None                                |
| 40.  | 104-70I    | 12 FEB 70 | Small caliber round hit tail rotor                                 | ECHO    | None   | None                                |
| 41.  | 105-70I    | 17 FEB 70 | Small caliber round through tail pylon                             | ECHO    | None   | None                                |
| 42.  | 106-70I    | 17 FEB 70 | Small caliber round through main rotor blade                       | ECHO    | None   | None                                |
| 43.  | 111-70I    | 19 FEB 70 | Two small caliber rounds through tail pylon                        | ECHO    | None   | None                                |
| 44.  | 112-70I    | 21 FEB 70 | Small caliber round through main rotor blade                       | ECHO    | None   | None                                |

| ITEM | REPORT SER | DATE      | INCIDENT                                                       | DAMAGE  | INJURY | REMARKS                                                                    |
|------|------------|-----------|----------------------------------------------------------------|---------|--------|----------------------------------------------------------------------------|
| 45.  | 118-70I    | 26 FEB 70 | Small caliber round through main rotor blade                   | ECHO    | None   | None                                                                       |
| 46.  | 119-70I    | 28 FEB 70 | Small caliber round through hard mount                         | ECHO    | None   | None                                                                       |
| 47.  | 130-70I    | 8 MAR 70  | Small caliber round hit minigun                                | ECHO    | None   | None                                                                       |
| 48.  | 131-70I    | 11 MAR 70 | Small caliber round hit fuel cell                              | ECHO    | None   | None                                                                       |
| 49.  | 132-70I    | 14 MAR 70 | Small caliber round through cockpit, hitting over pilot's head | ECHO    | None   | None                                                                       |
| 50.  | 139-70I    | 28 MAR 70 | Small caliber round through tail boom                          | ECHO    | None   | None                                                                       |
| 51.  | 141-70I    | 1 APR 70  | Small caliber round through chin bubble                        | ECHO    | None   | None                                                                       |
| 52.  | 142-70I    | 3 APR 70  | Small caliber round hit pylon                                  | FOXTROT | None   | None                                                                       |
| 53.  | 143-70I    | 4 APR 70  | Small caliber round hit rocket tube                            | ECHO    | None   | None                                                                       |
| 54.  | 144-70I    | 5 APR 70  | Small caliber round through firewall, into oil reservoir       | ECHO    | None   | None                                                                       |
| 55.  | 154-70I    | 26 APR 70 | Small caliber round hit pilot's seat                           | ECHO    | Minor  | Both pilots struck by shattered Plexiglas                                  |
| 56.  | 161-70I    | 26 APR 70 | Small caliber round hit rocket tube                            | FOXTROT | None   | None                                                                       |
| 57.  | 162-70I    | 1 MAY 70  | Shrapnel from RPG hit aft fuselage                             | ECHO    | None   | None                                                                       |
| 58.  | 163-70I    | 2 MAY 70  | Small caliber round passed through tail boom                   | ECHO    | None   | None                                                                       |
| 59.  | 164-70I    | 4 MAY 70  | Gunner hit in foot by small caliber round                      | ECHO    | Minor  | None                                                                       |
| 60.  | 167-70I    | 20 MAY 70 | Small caliber round through main rotor blade                   | ECHO    | None   | None                                                                       |
| 61.  | 168-70I    | 20 MAY 70 | .51 Cal rounds hit A/C                                         | ECHO    | None   | Rounds hit A/C in tail cone, sync ole #3 tail rotor drive shaft and engine |

| ITEM | REPORT SER | DATE      | INCIDENT                                     | DAMAGE  | INJURY | REMARKS                                       |
|------|------------|-----------|----------------------------------------------|---------|--------|-----------------------------------------------|
| 62.  | 169-70I    | 28 MAY 70 | Small caliber round through sync elevator    | ECHO    | None   | None                                          |
| 63.  | 173-70I    | 4 JUN 70  | Several small caliber rounds hit A/C         | ECHO    | None   | Received fire during low level rec            |
| 64.  | 174-70I    | 6 JUN 70  | Small caliber round hit minigun              | FOXTROT | Minor  | Shrapnel hit door gunner                      |
| 65.  | 175-70I    | 6 JUN 70  | Small caliber round shattered wind screen    | ECHO    | None   | None                                          |
| 66.  | 177-70I    | 12 JUN 70 | Small caliber round through main rotor blade | ECHO    | None   | None                                          |
| 67.  | 181-70I    | 22 JUN 70 | Small caliber round through tail boom        | ECHO    | None   | None                                          |
| 68.  | 182-70I    | 23 JUN 70 | Small caliber round through main rotor blade | ECHO    | None   | None                                          |
| 69.  | 183-70I    | 28 JUN 70 | Small caliber rounds hit A/C from both sides | ECHO    | None   | One rotor blade, cabin and tail bo<br>damaged |
| 70.  | 184-70I    | 28 JUN 70 | Small caliber rounds hit A/C from both sides | ECHO    | None   | One rotor blade, cabin and tail bo<br>damaged |

FY 70 OPERATIONAL GROUND ACCIDENTS

| ITEM | REPORT SER | DATE      | INCIDENT                                                                                          | DAMAGE | INJURY | REMARKS                                                                                      |
|------|------------|-----------|---------------------------------------------------------------------------------------------------|--------|--------|----------------------------------------------------------------------------------------------|
| 1.   | 2-70G      | 16 JUL 69 | Hovering aircraft blew maintenance stand into parked aircraft                                     | ECHO   | None   | None                                                                                         |
| 2.   | 5-70G      | 3 NOV 69  | U.S. Army aircraft hovered, to close, hitting rotor blade of parked aircraft                      | ECHO   | None   | None                                                                                         |
| 3.   | 6-70G      | 15 OCT 69 | Collective input lever broke on 'turn-up                                                          | ECHO   | None   | Originally submitted as 16-70I                                                               |
| 4.   | 7-70G      | 12 NOV 69 | Tractor hit aircraft fuselage                                                                     | ECHO   | None   | Driver left <del>vehicles</del> with running on, unattended.                                 |
| 5.   | 8-70G      | 28 NOV 69 | Hovering aircraft blew maintenance stand into parked aircraft                                     | ECHO   | None   | None                                                                                         |
| 6.   | 9-70G      | 29 NOV 69 | Hovering aircraft rotor wash blew cockpit door closed, shattered window                           | ECHO   | None   | None                                                                                         |
| 7.   | 10-70G     | 17 DEC 69 | Hot start                                                                                         | ECHO   | None   | Engine found to be badly FODed                                                               |
| 8.   | 14-70G     | 4 JAN 70  | Engine started without oil                                                                        | ECHO   | None   | Oil pressure gage and low pressure w light functioned normally but pilot turning the engine. |
| 9.   | 17-70G     | 1 FEB 70  | Tracking crew allowed track pole to strike tail rotor blade                                       | ECHO   | None   | None                                                                                         |
| 10.  | 19-70G     | 25 APR 70 | Chin bubble broken                                                                                | ECHO   | None   | None                                                                                         |
| 11.  | 20-70G     | 12 JUN 70 | Gun check crew shorted across main generator terminals, rotated head and damaged main rotor blade | ECHO   | None   | None                                                                                         |



| ITEM | REPORT SER | DATE      | INCIDENT                                                         | DAMAGE | INJURY | REMARKS |
|------|------------|-----------|------------------------------------------------------------------|--------|--------|---------|
| 12.  | 21-770G    | 19 JUN 70 | VN RAG craft breaking mooring drifted into tail of aircraft      | ECHO   | None   | None    |
| 13.  | 22-70G     | 21 JUN 70 | Rotor wash from passing helo forced rotor blade into dock stand. | ECHO   | None   | None    |

FY 70 DIRECT ENEMY ACTION MISHAPS (GROUND)

| ITEM | REPORT SER | DATE      | INCIDENT                                                | DAMAGE  | INJURY  | REMARKS                                                                                                                                                                        |
|------|------------|-----------|---------------------------------------------------------|---------|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.   | 3-70G      | 19 AUG 69 | Shrapnel damage from incoming mortars                   | ECHO    | None    | None                                                                                                                                                                           |
| 2.   | 4-70G      | 19 AUG 69 | Shrapnel damage from incoming mortars                   | CHARLIE | None    | None                                                                                                                                                                           |
| 3.   | 12-70G     | 29 DEC 69 | 100 shrapnel and small caliber bullet holes in aircraft | ALFA    | 2 Minor | Aircrafts were parked at ATSB Vinh Gio when 82 mm mortar rounds were dropped. These were followed by automatic small arms fire. 2 crew members were injured by mortar shrapnel |
| 4.   | 13-70G     | 29 DEC 69 | 141 shrapnel and small caliber bullet holes in aircraft | CHARLIE | None    |                                                                                                                                                                                |
| 5.   | 15-70G     | 6 DEC 70  | Shrapnel hit pilots overhead window                     | ECHO    | None    | Originally reported as 44-70I                                                                                                                                                  |

FY 70 OPERATIONAL ORDNANCE GROUND ACCIDENTS

| ITEM | REPORT SER | DATE      | INCIDENT                                                         | DAMAGE  | INJURY | REMARKS                                                                                                                         |
|------|------------|-----------|------------------------------------------------------------------|---------|--------|---------------------------------------------------------------------------------------------------------------------------------|
| 1.   | 1-70G      | 8 JUL 69  | .50 Cal machine gun accidentally discharged on YREM deck         | CHARLIE | None   | APIT round hit fuel hose and started a fire                                                                                     |
| 2.   | 11-70G     | 19 DEC 69 | During gun check minigun fired round through co-pilots open door | ECHO    | None   | Gun had not been properly safed prior check, originally submitted as serial 51-70I                                              |
| 3.   | 16-70G     | 28 NOV 69 | Minigun fired while installing safing sector                     | FOXTROT | None   | Originally submitted as serial 39-70I                                                                                           |
| 4.   | 18-70G     | 5 FEB 70  | M-60 jammed then went off upon being handled                     | ECHO    | None   | Crewman removed jammed M-60 from Sagami mount and left on deck without clearing jam. Next gunner picked up gun and it went off. |