

30 Oct 71

FY 72

TOTALS

| ITEM                             | 1970 7970 Total                        |      |        | 1970 7970 Total                      |       |        | 1970 7970 Total |          |       |
|----------------------------------|----------------------------------------|------|--------|--------------------------------------|-------|--------|-----------------|----------|-------|
|                                  | DEVELOPEMENT<br><del>(Recurring)</del> |      |        | INVESTMENT<br><del>(Recurring)</del> |       |        | OPERATIONAL     |          |       |
| Prime Vehicle SHUTTLE            |                                        | 200K |        |                                      | 3500K |        |                 |          |       |
| Payload (ELINT)                  |                                        |      |        | 1400K                                |       |        |                 |          |       |
| <del>EXILURY</del><br>Gnd Equip. |                                        |      |        | 50K                                  | 50K   |        |                 |          |       |
| Launch Facilities                |                                        |      |        | 500K                                 |       |        |                 |          |       |
| Launch Services                  |                                        | 100K |        |                                      |       |        |                 |          |       |
| Launch Vehicle                   |                                        | 100K |        |                                      |       |        |                 |          |       |
| TT&C(Syst Ops)                   | 150<br>100K                            |      |        | 105K                                 | 200K  |        |                 |          |       |
| Communications(data Prod)        | 50K                                    |      |        |                                      |       |        |                 |          |       |
| Data Facilities:                 |                                        |      |        |                                      |       |        |                 |          |       |
| Ashore                           | 80K                                    |      |        | 100K                                 |       |        |                 |          |       |
| Afloat                           | 20K                                    |      |        |                                      |       |        |                 |          |       |
| Adm. & Support Facilities        |                                        |      |        |                                      |       |        |                 |          |       |
| Personnel                        |                                        |      |        |                                      |       |        | 135K            | 100K     |       |
| SUBTOTAL                         | 300K                                   | 300K | (600K) | 1715K                                | 4250  | (5965) | 135K            | MAN 100K | (235) |
| TOTAL                            |                                        |      |        |                                      |       |        |                 |          |       |

 HANDLE VIA  
 CONTROL SYSTEMS JOINTL

 2.1115E = 15500 2  
 12.25M

4473

| ITEM                                           | DEVELOPMENT |            | INVESTMENT           |            | OPERATIONAL |                  |
|------------------------------------------------|-------------|------------|----------------------|------------|-------------|------------------|
|                                                | 7970 Total  | 7970 Total | 7970 Total           | 7970 Total | 7970 Total  | 7970 Total       |
| Prime Vehicle (SMT)                            | 200K        |            | 2400K                |            |             |                  |
| Payload (ELINT)<br>XILURY<br>rescue Gnd Equip. |             |            | 700K                 |            |             |                  |
| Launch Facilities                              |             |            | 100K                 |            |             |                  |
| Launch Services                                | 100K        |            | 50K                  |            |             |                  |
| Launch Vehicle                                 | 100K        |            |                      |            |             |                  |
| TT&C (Syst Ops)                                |             |            | 230K                 |            | 20          | 50K              |
| Communications (data Prod)                     |             |            | 140K                 |            | 8           |                  |
| Data Facilities:                               |             |            |                      |            |             |                  |
| Ashore                                         |             |            | 180K                 |            | 22          |                  |
| Afloat                                         |             |            | 70K                  |            | 5           |                  |
| Adm. & Support Facilities                      |             |            |                      |            |             |                  |
| Personnel                                      |             |            |                      |            |             |                  |
| SUBTOTAL                                       | 600K        |            | 10645 + 2800 = 13445 |            | 121K        | 260K = 1366K     |
| TOTAL                                          | 600K        |            | (4515)               |            |             | TOTAL = \$15556K |

FY 74

~~TOP SECRET~~

| ITEM                       | DEVELOPMENT          |            | INVESTMENT         |            | OPERATIONAL          |            |
|----------------------------|----------------------|------------|--------------------|------------|----------------------|------------|
|                            | 1970                 | 1970 Total | 1970               | 1970 Total | 1970                 | 1970 Total |
| Prime Vehicle Shuttle      | 1100K                |            | 4700K              |            |                      |            |
| Payload (ELINT)            |                      |            | 1600K              |            |                      |            |
| Launch Facilities          |                      |            | 85K                |            |                      |            |
| Launch Services            | 100K                 |            | 50K                |            | 10K                  |            |
| Launch Vehicle             |                      |            |                    |            | 100K                 |            |
| TT&C (Syst Ops)            |                      |            | 40K                | 200K       | 65K                  | 200K       |
| Communications (data Prod) | 50K                  |            | 40K                | 200K       | 10K                  |            |
| Data Facilities            |                      |            | 450K               |            | 230K                 |            |
| Ashore                     |                      |            | 350K               |            | 25K                  |            |
| Afloat                     | 175K                 |            |                    |            | 380K                 | 210K       |
| Adm. & Support Facilities  |                      |            |                    |            | 525K                 | 690K       |
| Personnel                  |                      |            |                    |            |                      |            |
| SUBTOTAL                   | 225K + 1300K = 1525K | 1585       | 3025 + 4600 = 7625 | 7625       | 605K + 1155K = 1760K | 1760K      |
| TOTAL                      |                      |            |                    |            |                      |            |

~~TOP SECRET~~

FY 75

~~SECRET~~

| ITEM                                  | 1920 1970 Total                          |        |  | 1920 1970 Total                        |                |  | 1920 1970 Total |       |  |
|---------------------------------------|------------------------------------------|--------|--|----------------------------------------|----------------|--|-----------------|-------|--|
|                                       | DEVELOPEMENT<br>( <del>Recurring</del> ) |        |  | INVESTMENT<br>( <del>Recurring</del> ) |                |  | OPERATIONAL     |       |  |
| Prime Vehicle SNUTTLE                 |                                          |        |  |                                        | 100<br>1800K   |  |                 |       |  |
| Payload (ELINT)                       |                                          |        |  | 1800K                                  |                |  |                 |       |  |
| XILVRY<br><del>Space</del> Gnd Equip. |                                          |        |  | 125K                                   | 150K           |  |                 |       |  |
| Launch Facilities                     |                                          |        |  |                                        | 50K            |  |                 | 10K   |  |
| Launch Services                       | 100K                                     |        |  |                                        |                |  |                 | 100K  |  |
| Launch Vehicle                        |                                          |        |  |                                        |                |  |                 |       |  |
| TT&C (Syst Ops)                       |                                          |        |  | 200K                                   | 200K           |  | 85K             | 200K  |  |
| Communications (data Prod)            | 100K                                     |        |  | 725K                                   |                |  | 45K             |       |  |
| Data Facilities:                      |                                          |        |  |                                        |                |  |                 |       |  |
| Ashore                                | 75K                                      |        |  | 100<br>1675K                           |                |  | 125K            |       |  |
| Afloat                                | 825K                                     |        |  | 50<br>750K                             |                |  | 325K            |       |  |
| Adm. & Support Facilities             |                                          | 60     |  |                                        | 70             |  |                 |       |  |
| Personnel                             |                                          |        |  |                                        |                |  |                 |       |  |
| SUBTOTAL                              | 500K + 100K =                            | (660K) |  | 5425<br>4425 + 2200 =                  | 7795<br>(675K) |  | 8405K + 850K =  | 9255K |  |
| TOTAL                                 |                                          |        |  |                                        |                |  | TOTAL           | 9255K |  |

FY76

| ITEM                       | 1970 | 1970 Total | DEVELOPMENT<br>( <del>Secrecy</del> ) | 1970 | 1970 Total | INVESTMENT<br>( <del>Secrecy</del> ) | 1970 | 1970 Total | OPERATIONAL | 1970 | 1970 Total |
|----------------------------|------|------------|---------------------------------------|------|------------|--------------------------------------|------|------------|-------------|------|------------|
|                            |      |            |                                       |      |            |                                      |      |            |             |      |            |
| Prime Vehicle (SMUTTLE)    |      |            |                                       |      |            |                                      |      |            |             |      |            |
| Payload (ELINT)            |      |            |                                       |      |            |                                      |      |            |             |      |            |
| Launch Facilities          |      |            |                                       |      |            |                                      |      |            |             |      |            |
| Launch Services            |      |            |                                       |      |            |                                      |      |            |             |      |            |
| Launch Vehicle             |      |            |                                       |      |            |                                      |      |            |             |      |            |
| TT&C (Syst Ops)            |      |            |                                       |      |            |                                      |      |            |             |      |            |
| Communications (data Prod) |      |            |                                       |      |            |                                      |      |            |             |      |            |
| Data Facilities:           |      |            |                                       |      |            |                                      |      |            |             |      |            |
| Ashore                     |      |            |                                       |      |            |                                      |      |            |             |      |            |
| Afloat                     |      |            |                                       |      |            |                                      |      |            |             |      |            |
| Adm. & Support Facilities  |      |            |                                       |      |            |                                      |      |            |             |      |            |
| Personnel                  |      |            |                                       |      |            |                                      |      |            |             |      |            |
| SUBTOTAL                   |      |            |                                       |      |            |                                      |      |            |             |      |            |
| TOTAL                      |      |            |                                       |      |            |                                      |      |            |             |      |            |

MAN-TALENT KEYHOLE SYSTEMS JOINTLY

1970

ALL REC-NO DEVEL  
SPACECRAFT HDW 1.21  
SHUTTLE HDW .750  
9 BAND P/L HDW 1.0  
2.960  
1.0  
1.96

2ND HALF FY 72

MAIN JOBS

25MY SAL  
~~TOP SECRET~~

| ITEM                                | DEVELOPEMENT<br>(recurring)                           | INVESTMENT<br>(ground site)                                        | OPERATIONAL |
|-------------------------------------|-------------------------------------------------------|--------------------------------------------------------------------|-------------|
| ✓ Prime Vehicle + SHUTTLE           | MOSTLY PAID BY <input type="checkbox"/> .1            | BUY HARDWARE 1.0x20 2.02<br>SAL (6 MONTHS MEN) .5<br>2 SHUTTLE 1.0 | 0           |
| Payload (ELINT)<br>TEST EQUIP & FAC | —                                                     | ANOTHER SYS.<br>TEST STATION .05                                   | —           |
| ✓ Aerospace Gnd Equip.              | —                                                     | <input type="checkbox"/> SHARE OF SOUTH PAD<br>0.5                 | 0           |
| ✓ Launch Facilities                 | — 0 —                                                 | 0                                                                  | 0           |
| ✓ Launch Services                   | SP-8, ATLAS SPO. etc<br>— .1                          | 2 ATLAS 5.4                                                        | 0           |
| ✓ Launch Vehicle<br>B. POINT        | <input type="checkbox"/> PORTION .1                   | .2                                                                 | 0           |
| ✓ TT&C (Syst Ops)                   | —                                                     | —                                                                  | —           |
| Communications (data Prod)          | X                                                     | X                                                                  | X           |
| Data Facilities:                    | X                                                     | X                                                                  | X           |
| ( Ashore                            | X                                                     | X                                                                  | X           |
| Afloat                              | X                                                     | X                                                                  | X           |
| ✓ Adm. & Support Facilities         | CONTRACT MONITORING<br>SPEC. WRITING<br>TECH. WRITING | —                                                                  | —           |
|                                     | <input type="checkbox"/>                              | HANDLE VIA<br>BY: MAN-TALENT-KEYHOLE<br>CONTROL SYSTEMS EGIN-LY.   | —           |

~~TOP SECRET~~

1. Recognizes that Deployment (10 mo.)

16 Carrier Pigeon to a Ship. Started design

June 1973

F-7-73

~~SECRET~~

| ITEM                                  | DEVELOPMENT<br>(recurring)                | INVESTMENT<br>(ground site) | OPERATIONAL                                                                          |
|---------------------------------------|-------------------------------------------|-----------------------------|--------------------------------------------------------------------------------------|
| Prime Vehicle                         |                                           |                             |                                                                                      |
| Payload (ELINT)                       |                                           |                             |                                                                                      |
| <i>Avrillan</i><br>Respace Gnd Equip. |                                           |                             |                                                                                      |
| Launch Facilities                     |                                           |                             |                                                                                      |
| Launch Services                       |                                           |                             |                                                                                      |
| Launch Vehicle                        |                                           |                             |                                                                                      |
| TT&C (Syst Ops)                       | <i>Ratep</i><br><i>Chas. A. Digitized</i> | 80K<br>150                  | <i>Wear Yarn</i><br><i>Prattville</i><br><i>By Mapp</i><br>1/6 = 16K 20K<br>1/6 = 8K |
| Communications (data Prod)            | <i>Carrier Pigeon</i>                     | 140K                        |                                                                                      |
| Data Facilities:                      | <i>Recognizes: 80K</i>                    |                             | 2100 50K 8K                                                                          |
| ( Ashore                              | <i>(7) Recognizes 100K</i>                |                             | 14K                                                                                  |
| Afloat                                | <i>Carrier Pigeon</i>                     | 70K                         | 5                                                                                    |
| Adm. & Support Facilities             |                                           |                             |                                                                                      |
| Personnel:                            |                                           |                             |                                                                                      |
|                                       |                                           | 1294                        | 5 x 45K 225K                                                                         |
|                                       |                                           |                             | 291 55K 1640                                                                         |

AN-TALENT CONTROL SYSTEMS JOINTLY

~~TOP SECRET~~

HEAVY FAB. TEST

DESIGN-CARRIER PIGEON TO ASHII  
RECOGNIZER-DEVELOPMENT/DEPLOYMENT

| ITEM                                   | DEVELOPEMENT<br>(recurring)          | INVESTMENT<br>(ground site)                     | OPERATIONAL                                                    |
|----------------------------------------|--------------------------------------|-------------------------------------------------|----------------------------------------------------------------|
| ✓ Prime Vehicle+SHUTTLE                | XATR - .17 for 2K3<br>ANT. - .15     | HARDWARE 2X.25<br>2 SHUTTLE<br>SAL. (.35MY) 1.9 | 0                                                              |
| Payload (ELINT)<br>TEST EQUIP. FRAGILE | —                                    | .150                                            | —                                                              |
| ✓ Aerospace Gnd Equip.                 | —                                    | WTR .05                                         | WTR .01                                                        |
| ✓ Launch Facilities                    | SP-8 .1                              | —                                               | .2                                                             |
| ✓ Launch Services                      | <input type="checkbox"/> PORTION 0.1 | 0                                               | 0                                                              |
| ✓ Launch Vehicle                       | —                                    | .2                                              | BENEFIT .05                                                    |
| ✓ TT&C(Syst Ops)                       | —                                    | —                                               | —                                                              |
| Communications(data Prod)              | <del>—</del>                         | <del>—</del>                                    | <del>—</del>                                                   |
| Data Facilities:                       | <del>—</del>                         | <del>—</del>                                    | <del>—</del>                                                   |
| ( Ashore                               | <del>—</del>                         | <del>—</del>                                    | <del>—</del>                                                   |
| Afloat                                 | <del>—</del>                         | <del>—</del>                                    | <del>—</del>                                                   |
| Adm. & Support Facilities              | CONT MON                             | —                                               | —                                                              |
| SPEC TECH WRITING                      | —                                    | —                                               | 2                                                              |
|                                        |                                      |                                                 | HANDLE VIA<br>EYEMAN-TALENT KEYHOLE<br>CONTROL SYSTEMS JOINTLY |

1. Henry Sabotage Effort.  
2. Ship Carrier Pigeon Demo.  
3. Personnel SATCOM (side)

FY-74

July 1973  
~~SECRET~~

| ITEM                       | DEVELOPEMENT<br>(recurring)                | INVESTMENT<br>(ground site) | OPERATIONAL                    |
|----------------------------|--------------------------------------------|-----------------------------|--------------------------------|
| Prime Vehicle              |                                            | (2x33)<br>100K              |                                |
| Payload (ELINT)            |                                            | 1.500K                      |                                |
| Aerospace Gnd Equip.       |                                            | 10K                         |                                |
| Launch Facilities          |                                            | 75K                         |                                |
| Launch Services            |                                            |                             |                                |
| Launch Vehicle             |                                            |                             |                                |
| TT&C (Syst Ops)            | Control Carrier Pigeon<br>175K (long lead) | 40K + 10                    | 50K 15K                        |
| Communications (data Prod) | SATCOM: 200K<br>175K                       | 175K + 90K = 465K           | 10K                            |
| Data Facilities:           |                                            |                             |                                |
| Ashore                     |                                            | 450K + 25K = 475K           | 4 - 200K<br>1/2 50K<br>1/2 30K |
| Afloat                     | M.I. Spec Ship Site # 15                   | 350K                        | 25K                            |
| Adm. & Support Facilities  |                                            | 950K                        |                                |
| Personnel                  | (3) Control Carrier Pigeon<br>(4) with     | (2245K) (2250K)<br>30.25    | 80K                            |
|                            |                                            |                             | 3730                           |

NY 74

~~TOP SECRET~~

FIRST USE OF SATCOM  
DEMONSTRATE CARRIER PIGEON TO SHIP

| ITEM                        | DEVELOPEMENT<br>(recurring)                      | INVESTMENT<br>(ground site)                                | OPERATIONAL     |
|-----------------------------|--------------------------------------------------|------------------------------------------------------------|-----------------|
| ✓ Prime Vehicle+SHUTTLE     | TRIAD ROCKETS -.1<br>6 P/L SHUTTLE/SPACECRAFT-10 | BUY HARDWARE 1X31203.0<br>SHUTTLE<br>SALARIES (20 MY) = .5 | 0               |
| Payload (ELINT)             | —                                                | —                                                          | —               |
| ✓ Aerospace Gnd Equip.      | —                                                | .150                                                       | —               |
| ✓ Launch Facilities         | —                                                | WTR .05                                                    | WTR .01         |
| ✓ Launch Services           | SP-8 .1                                          | —                                                          | .1              |
| ✓ Launch Vehicle            | 0                                                | 1 ATLAS 2.7                                                | 0               |
| ✓ TT&C(Syst Ops)            | —                                                | .2                                                         | BENDIX .200     |
| Communications(data Prod)   | <del>—</del>                                     | <del>—</del>                                               | <del>—</del>    |
| Data Facilities:            | <del>—</del>                                     | <del>—</del>                                               | <del>—</del>    |
| ( Ashore                    | <del>—</del>                                     | <del>—</del>                                               | <del>—</del>    |
| Afloat                      | <del>—</del>                                     | <del>—</del>                                               | <del>—</del>    |
| ✓ Adm. & Support Facilities | —                                                | —                                                          | 100<br>160<br>2 |

HANDLE VIA  
BYE-WAN TALENT KEYHOLE  
CONTROL SYSTEMS JOINTLY

1. my spec view of cost (15 mo) (N 24 15 1)

PY-75

~~TOP SECRET~~

| ITEM                       | DEVELOPMENT (recurring)                          | INVESTMENT (ground site) | OPERATIONAL        |
|----------------------------|--------------------------------------------------|--------------------------|--------------------|
| Prime Vehicle              |                                                  | (479)                    |                    |
| Payload (ELINT)            |                                                  | 1800                     |                    |
| Aerospace Gnd Equip.       |                                                  | 125                      |                    |
| Launch Facilities          |                                                  |                          |                    |
| Launch Services            |                                                  |                          |                    |
| Launch Vehicle             |                                                  |                          |                    |
| TT&C (Syst Ops)            |                                                  | 50K                      |                    |
| Communications (data Prod) | TT&C and all work<br>COM Data Terminal<br>SATCOM | 150K<br>75K<br>50K       | 10<br>25<br>45     |
| Data Facilities            | AT&Dw (75)                                       |                          |                    |
| Ashore                     |                                                  | 1775 { 1500<br>500       | 25K<br>25K<br>100  |
| Afloat                     | Ship site = (250K)                               | 750K                     | 75K<br>125K<br>225 |
| Adm. & Support Facilities  |                                                  |                          | (300)              |
| Personnel                  | (3) Contract Specialists                         |                          |                    |
|                            | (1)                                              | (46500K)                 | 5 MY x 45K = 225   |
|                            | (1) Asst. Commandant                             | 5475                     | (525K) (280K)      |
|                            |                                                  |                          | 580                |
|                            |                                                  |                          | 580                |
|                            |                                                  |                          | 6505               |

HANDLE VIA  
MAN-TALIN KEYHOLE  
CONTROL SYSTEMS JOINTLY

FY 75

~~SECRET~~

$$\begin{array}{r} 25 \\ - 30 \\ \hline 750 \end{array}$$

HEAVY. FAB / TEST  
(5-18 MO.) MIL. SPEC SITE AFLOAT

| ITEM                        | DEVELOPEMENT<br>(recurring) | INVESTMENT<br>(ground site)                                  | OPERATIONAL |
|-----------------------------|-----------------------------|--------------------------------------------------------------|-------------|
| ✓ Prime Vehicle + SHUTTLE   | 0                           | HQW 3 x .25 = 0.75<br>SHUTTLE SALARIES (COMV) .35<br>.75 (!) | 0 (!)       |
| Payload (ELINT)             | —                           | —                                                            | —           |
| ✓ Aerospace Gnd Equip.      | —                           | .150                                                         | —           |
| ✓ Launch Facilities         | SP-8 .1                     | WTR .05                                                      | WTR .10     |
| ✓ Launch Services           | —                           | —                                                            | .1          |
| ✓ Launch Vehicle            | 0                           | 0                                                            | 0           |
| ✓ TT&C (Syst Ops)           | —                           | .2                                                           | DENDIX .200 |
| Communications (data Prod)  | X                           | X                                                            | X           |
| Data Facilities:            | X                           | X                                                            | X           |
| Ashore                      | X                           | X                                                            | X           |
| Afloat                      | X                           | X                                                            | X           |
| ✓ Adm. & Support Facilities | —                           | —                                                            | .2          |

HANDLE VIA  
BYEMAN-TALENT KEYHOLE  
CONTROL SYSTEMS JOINTLY

HANDLE VIA  
BYEMAN-TALENT-KEYHOLE  
CONTROL SYSTEMS SCIENCE

1. Mil Spec site of float operating

or  $\frac{FY-76}{2}$

~~TOP SECRET~~

| ITEM                       | DEVELOPEMENT<br>(recurring) | INVESTMENT<br>(ground-site) | OPERATIONAL  |
|----------------------------|-----------------------------|-----------------------------|--------------|
| Prime Vehicle              |                             | <u>Second 2x3</u>           |              |
| ( payload (ELINT)          |                             | 1250                        |              |
| Aerospace Gnd Equip.       |                             | 75                          |              |
| Launch Facilities          |                             | 200                         |              |
| Launch Services            |                             | 0.15                        |              |
| Launch Vehicle             |                             |                             |              |
| TT&C (Syst Ops)            | 75K New Blue Frog           | 125                         | 1MY          |
| Communications (data prod) | ADP Data term 100Kx5        | 500K                        | 75 = 8       |
| Data Facilities:           |                             |                             |              |
| Ashore                     | AT Reconner                 | 250K                        | 100 75K 200  |
| Afloat                     |                             | 175                         | 1MY 250 50K  |
| Adm. & Support Facilities  |                             | 325K                        | 1MY 250 75K  |
| Personnel                  |                             |                             |              |
|                            | 75K 100K                    | 1325                        | 12L 225 360  |
|                            |                             | 1515                        | (42.5) (210) |
|                            |                             | 1675                        | 3550         |

HANDLED BY  
MAN-TELETYPE  
CONTROL SYSTEMS JOINT