

INTRODUCTORY

MY PURPOSE WILL BE TO PROVIDE YOU WITH AN OVERVIEW AND ORIENTATION OF THE DIRECTORATE OF OPERATIONS ROLE, FUNCTION AND RESPONSIBILITIES IN SUPPORT OF THE OFFICE OF SPECIAL ACTIVITIES MISSION. I WILL ATTEMPT TO ACHIEVE THIS PURPOSE BY TOUCHING ONLY ON THE HIGHLIGHTS OF THE OPERATIONS ORGANIZATION AND ASSIGNED PROJECTS. PLEASE FEEL FREE TO INTERRUPT AND ASK QUESTIONS AT ANY TIME. *due to the short time allotted for this briefing, my coverage of each project will be very limited.* HOWEVER, WE WOULD APPRECIATE THE OPPORTUNITY TO PRESENT MORE COMPREHENSIVE AND DETAILED BRIEFINGS ON EACH PROJECT AT YOUR CONVENIENCE.

Thank you for attending

NONE/UNKNOWN

CHART # 1NONE/UNKNOWN
OSA MISSION

THE MISSION IS TO DEVELOP, ATTAIN AND MAINTAIN AN
OPERATIONAL CAPABILITY TO CONDUCT COVERT RECONNAISSANCE OF
DENIED AREAS. OSA RETAINS THE FLEXIBILITY TO ACCEPT MANAGERIAL
AND OPERATIONAL RESPONSIBILITY FOR EITHER MANNED OR UNMANNED
RECONNAISSANCE SYSTEMS.

NONE/UNKNOWN

NONE/UNKNOWN

CHART # 2

THE DEPUTY FOR OPERATIONS IS ~~STREELY~~ ORGANIZED AS ~~THE~~
~~CHART~~ ILLUSTRATES. THE ASSIGNED PROJECT OFFICES ARE DIRECTLY
SUBORDINATE TO THE D/O AS ARE HIS ASSISTANT AND SUPPORTING STAFFS.

THE INTELLIGENCE STAFF PROVIDES:

- A) CURRENT INTELLIGENCE FROM ALL SOURCES TO OSA.
- B) SPECIAL INTELLIGENCE TO D/O TO INSURE USE OF LATEST
INFORMATION IN FORMULATING OPTIMIZED MISSION PLANS.
- C) NECESSARY LIAISON WITH THE INTELLIGENCE COMMUNITY
REGARDING OSA PROJECTS, REQUIREMENTS AND PRODUCTS.

NONE/UNKNOWN

THE WEATHER STAFF ACCOMPLISHES NECESSARY LIAISON WITH AIR WEATHER SERVICE AND PROVIDES METEOROLOGICAL SERVICES TO OSA ASSIGNED PROJECTS. SERVICES INCLUDE:

- A) PREPARATION AND PRESENTATION OF ALL WEATHER BRIEFINGS.
- B) MAINTAINING METEOROLOGICAL WATCH FOR WEATHER CONDITIONS CONDUCIVE TO SUCCESSFUL OPERATIONS.
- C) POST MISSION WEATHER ANALYSIS AND EVALUATION OF MISSION SUCCESS.
- D) PROVIDING CLIMATOLOGICAL INFORMATION FOR PROPOSED OPERATIONS.

NONE/UNKNOWN

NONE/UNKNOWN

THE SPECIAL ACTIONS STAFF ACTS AS SPECIAL ASSISTANT TO THE D/O FOR ALL PLANNING AND PROGRAMMING ACTIVITIES IN SUPPORT OF OPERATIONAL FUNCTIONS.

THIS STAFF ~~IS~~/AS THE NAME IMPLIES/FUNCTIONS WITH A CONGLOMERATE OF RESPONSIBILITIES USUALLY DIRECTED TOWARD NON-ROUTINE MATTERS ~~ON A GRANT BASIS~~. IT IS SORT OF A D/O FIREMAN. PRIMARY OF ITS ROUTINE RESPONSIBILITIES ARE:

A) COORDINATING THE PREPARATION OF ANNUAL CONCEPTS OF OPERATIONS FOR ASSIGNED PROJECTS WHICH ARE USED AS A BASIS FOR BUDGET PLANNING AND SUBSTANTIATION.

NONE/UNKNOWN

NONE/UNKNOWN

B) PREPARATION OF OPERATIONAL MISSION PROPOSALS AND SUPPORTING MEMORANDA.

C) PREPARATION OF THE OSA PORTION OF THE NRP QUARTERLY PROGRAM PROGRESS REPORT.

D) INITIAL PROJECT MANAGEMENT ^{IT} PLANS, COORDINATES AND OPERATES INITIAL PHASES OF PROJECTS ASSIGNED TO THE D/O. EXAMPLES OF THIS FUNCTION ARE ^{RECENT PAST} AQUILINE AND ^{PRESENTLY} FORTUNE COOKIE.

THE CONTROL CENTER IS PRIMARILY RESPONSIBLE TO MAINTAIN:

A) A FACILITY WITH NECESSARY COMMUNICATIONS ~~FACILITIES~~ TO MONITOR AND CONTROL OPERATIONAL MISSION PROGRESS.

B) MAINTAINING CURRENT SCHEDULES, AIRCRAFT AND EQUIPMENT STATUS, CHECKLISTS AND PERSONNEL ALERT RECALL

NONE/UNKNOWN

NONE/UNKNOWN

2-5

ROSTERS TO INSURE^A QUICK REACTION CAPABILITY TO REQUIREMENTS
AS THEY MATERIALIZE.

IT ALSO MAINTAINS

C) A CAPABILITY TO PROVIDE AIRLIFT SUPPORT AS REQUESTED
BY THE INTELLIGENCE COMMUNITY. ONE C-118 AND C-130 AIRCRAFT
ARE CREWED AND FLOWN BY OSA TO MOVE ON A TIMELY BASIS
PERSONNEL, EQUIPMENT AND MISSION TAKE RESULTING FROM NRO
DIRECTED ACTIVITIES.

THE COMMUNICATIONS STAFF IS RESPONSIBLE FOR THE:

~~THE~~ MANAGEMENT, INCLUDING PROGRAMMING, IMPLEMENTA-
TION, AND OPERATION, OF THE BYEMAN COMMUNICATIONS NET IN
SUPPORT OF ALL DD/S&T RECONNAISSANCE ACTIVITIES.

NONE/UNKNOWN

NONE/UNKNOWN

2-5

COMMO is
~~is~~ ORGANIZATIONALLY ASSIGNED TO OSA FOR CLOSE SUPPORT OF
QUICK-REACTION AIRCRAFT RECONNAISSANCE ACTIVITIES. *IT IS* STAFFED TO
ADDITIONALLY SUPPORT THE BROADER TIMING OF OTHER DD/S&T ACTIVITIES,
SUCH AS SATELLITE RECONNAISSANCE.

I WILL NOW BRIEF YOU ON THE HIGHLIGHTS OF THE THREE OPERATING
PROJECTS CURRENTLY ASSIGNED OSA.

NONE/UNKNOWN

NONE/UNKNOWN

AQUILINE

CHART I

AQUILINE IS AN AGENCY FUNDED R&D PROGRAM TO DEVELOP A SMALL BIRD LIKE AIRCRAFT EQUIPPED WITH DEVICES FOR THE COLLECTION OF INTELLIGENCE BY CLANDESTINE PENETRATION OF DENIED AREAS. THE VEHICLE IS CURRENTLY BEING DEVELOPED BY ORD AND MCDONNELL DOUGLAS, THE PRIME CONTRACTOR, FOR FUTURE EMPLOYMENT BY OSA TO COLLECT PHOTOGRAPHIC AND ELECTRONIC INTELLIGENCE. THE VEHICLE IS ALSO BEING DEVELOPED WITH A SENSOR EMPLACEMENT CAPABILITY. VEHICLE DESIGN PHILOSOPHY HAS PLACED MAJOR EMPHASIS ON SURVIVABILITY PARTICULARLY AGAINST

NONE/UNKNOWN

NONE/UNKNOWN

RADAR, VISUAL AND COMMUNICATIONS DETECTION THREAT EN ROUTE
TO TARGETS.

CHART II

THE OPERATIONAL CONCEPT AMOUNTS TO USING A GROUND CONTROL STATION FOR COMMAND AND CONTROL OF THE AIRCRAFT. IT PROVIDES LAUNCH AND RECOVERY FUNCTIONS AND DISPLAYS ALL NECESSARY VEHICLE STATUS INFORMATION AND NAVIGATION DATA. IN SOME CASES PAYLOAD DATA CAN BE TRANSMITTED BACK TO THE CONTROL STATION AND PERMANENTLY RECORDED WITHOUT THE NECESSITY OF VEHICLE RECOVERY.

IN THE DEVELOPMENT STAGE IT IS PLANNED TO USE A DC-6 AIRCRAFT AS AN AIRBORNE RELAY SYSTEM FOR OPERATIONS BEYOND ^{Line of} LINE OF SIGHT.

NONE/UNKNOWN

NONE/UNKNOWN

ULTIMATELY IT WILL BE NECESSARY TO FUND THE USE OF A
SYNCHRONOUS SATELLITE AS A RELAY PLATFORM IN ORDER TO REALIZE
MAXIMUM VEHICLE FLIGHT RANGES FROM THE GROUND
STATION.

CHART III

A BRIEF LOOK AT THE ADVANCED CAPABILITY AQUILINE VEHICLE
ILLUSTRATES THE SIGNIFICANT STATE OF THE ART MINIATURIZATION
EFFORTS:

LENGTH - 5 FT WING'SPAN 7 1/2 FT

TAKE OFF GWT 83 LBS

SILENT RUNNING ENGINE 3 1/3 HORSEPOWER

SPEED RANGE OF 47 - 80 KTS

NONE/UNKNOWN

AT ZERO FUEL WILL BE APPROX
 MAX ALT - 20000 FT
 MAX RANGE APPROX
 MISSIONS OF
 MAX DURATIONS - 50 HOURS ARE POSSIBLE

CHART IV

THE NEXT FEW CHARTS ILLUSTRATE THE COORDINATED APPROACH INVOLVING OSA AND ORD IN THE DEVELOPMENT OF THIS SYSTEM.

FY68-69 FEATURED AIRCRAFT SYSTEM DESIGN AND DEVELOPMENT EFFORTS AND THE PREPARATION OF OPERATIONAL DEPLOYMENT CONCEPTS. CURRENTLY IN FY-70, TEST VEHICLE FABRICATION IS UNDERWAY AND AN OSA STAFFED PROJECT OFFICE IS PURSUING THE INDICATED MANAGEMENT FUNCTIONS.

NONE/UNKNOWN

NONE/UNKNOWN

CHART V

IN FY-71 FLIGHT TESTING OF THE AIRCRAFT WILL BE ACCOMPLISHED AND FIELD UNIT MANNING IS PROJECTED TO FULL STRENGTH. IT IS ANTICIPATED THAT A LIMITED OPERATIONAL CAPABILITY WILL BE ACHIEVED BY THE END OF THIS FY. //

CHART VI

IN FY-72 A FULL OPERATIONAL CAPABILITY IS ACHIEVED TO EXECUTE OPERATIONAL MISSIONS.

CHART VII

THIS CHART ILLUSTRATES THE LEVELS OF PROJECT ACTIVITY THRU THE END OF FY-72. ORD IS PRIMARILY INVOLVED IN THE AIRCRAFT DEVELOPMENT AND FLIGHT TEST WITH MCDONNELL DOUGLAS AC.

NONE/UNKNOWN

C02092208

is Present in Mission Rooms or Action
NONE/UNKNOWN

FIRST FLIGHT DATE ^{is Present in Mission Rooms or Action} ON 1 JULY 1970. OSA LEVEL OF MANAGEMENT ACTIVITIES INCREASING AS THE CAPABILITY EVOLVES. THE FIELD UNIT BUILD UP WITH FIRST CADRE INPUT IN JULY 70 INCREASING TO FULL STRENGTH BY END OF DECEMBER 70. LIMITED O/R CAPABILITY BY JULY 71 USING U-2R AS RELAY PLATFORM TO DATE ALL ASPECTS OF THIS PROGRAM ARE ON SCHEDULE WITH ALL MAJOR MILESTONES BEING MET.

CHART VIII

ON THIS CHART A CONCEPTUAL AQUILINE ORGANIZATION IS DEPICTED STATIONED AT AREA 51. THE ORGANIZATION IS DESIGNED TO USE A PLUG IN CONCEPT WITH A PREPARED FACILITY SUPPLYING THE INDICATED SUPPORT FUNCTIONS. MANNING IS BASED ON A BARE BONE CONCEPT WITH MANY OF THE PERSONNEL PERFORMING MORE THAN ONE JOB FUNCTION.
NONE/UNKNOWN

NONE/UNKNOWN

ORGANIZATIONALLY

ANTICIPATE A TOTAL OF 54 PEOPLE WHEN AT FULL STRENGTH. FIELD

DIRECTOR - MAINTENANCE/MATERIEL SIDE - OPS SIDE. IN FY 71 ONE

FLIGHT TEAM IS PROGRAMMED FOR THE INITIAL ^{SYSTEMS VALIDATION} ~~TEST~~ PHASES. BUILDING

IN FY-72 TO TWO TEAMS NECESSARY FOR FOLLOWING OPTIONS:

ONE ^{TEAM} DEPLOYED/ ONE TRAINING: TWO ^{TEAMS} DEPLOYED-DOUBLE OPERATIONAL MISSION CAPABILITY; OR TWO ^{TEAMS} DEPLOYED FOR LONG DURATION MISSIONS.

NONE/UNKNOWN