

**PROGRAM/PROJECT PLAN OF FOR THE  
INTEGRATED VOICE COMMUNICATIONS SWITCHING SYSTEM (IVCSS)**

**SECTION I  
OVERALL PROGRAM/PROJECT INFORMATION**

Program Objective: This program plan is provided as a guide to the administration and management of the testing, installation and logistic support of the IVCSS equipment at Navy and Marine Corps Air Traffic Control and Range facilities.

Program Status: Update Navy and Marine Corps Air Traffic Control (ATC) and Range facilities with modern communications control equipment.

Product Description: The IVCSS is a digital non-blocking distributed microprocessor-controlled system providing the means for establishing multi-channel communications control at ATC installations. The various types of multi-channel communications include radiophone, intercom and telephone. The IVCSS will provide at each operator position in a facility the ability to initiate or receive voice communications with other local operators, operators at other facilities, pilots of aircraft, or any combination thereof. IVCSS will replace the aging AN/FSA-52(V) radiophone control and OA-7621(V) /FSA-52(V) landline control systems. IVCSS includes a redundant DC power supply and complete battery backup capability to continue operations for up to 2 hours in the event of failure of the main electrical supply.

Justification: Repeated requests from operating activities for updated and/or expanded capability, such as the NAS Fallon Operational Capability Improvement Request (OCIR) of 14 March 1986 and its ensuing endorsements, led to the creation of the program.

Initial Operational Capability (OIC): March 1996

Inventory Objective: Original inventory objective was 14; however, NAS Patuxent River requested that an IVCSS be installed at NOLF Webster Field rather than the ETVS that was scheduled. This would simplify maintenance for the Patuxent River GEMD which is responsible for both locations. The equipment used in the Manufacturer's Test Bed was used to accomplish this. The remaining test bed equipment was shipped to SPAWAR Charleston. The final inventory objective is 15. All installations are complete.

Acquisition Strategy: IVCSS was a non-ACAT program. Funding for the Whidbey Island system was from the FACS FAC line, FY90; all others have come from the Air Station Support Equipment line funded in FY90, FY91, and FY92. Additional installation funds are budgeted for FY96 through FY00. Equipment and controlling software are being procured under a Firm Fixed-Price Contract with Denro of Gaithersburg, MD. Denro did provide training and training deliverables. The capacities of each system being procured will be tailored to the requirements of the destination site.

**Acquisition Schedule:**

<u>SITE</u>	<u>DATE</u>
1. SPAWARSYSCEN Charleston	Complete - 04/96
2. MCAS Beaufort	Complete - 12/96
3. FACSFAC Caribbean	Complete - 06/97
4. NAS Pensacola	Complete - 10/97
5. NAS Kingsville	Complete - 03/98
6. NAS JRB Fort Worth	Complete - 03/98
7. NAWS Point Mugu	Complete - 04/98
8. NAWS China Lake	Complete - 04/98
9. MCAS Cherry Point	Complete - 08/98
10. NAS Whidbey Island	Complete - 12/98
11. NAS Patuxent River	Complete - 02/99
12. NAS Meridian	Complete - 03/99
13. NAS Fallon	Complete - 06/99
14. NAES Lakehurst	Complete - 11/99
NAWCAD ATR Patuxent River (Not part of IVCSS Program)	Complete - 01/00
15. NOLF Webster Field	Complete - 02/00

Issues: Several Air Stations have experienced catastrophic failures. These failures are being investigated by the Manufacturer and SPAWAR Charleston. Several latent defects have also been identified.

**SECTION II**  
**MAJOR SYSTEM COMPONENTS OF THE**  
**INTEGRATED VOICE COMMUNICATIONS SWITCHING SYSTEM (IVCSS)**

<u>Official Nomenclature</u>	<u>Common Name</u>
Communication System AN/FSC-119(V)	System
Control-Monitor Group OK-616-FSC-119(V)	Workstation
Switching Group, Audio Frequency OA-9424(V)/FSC-119(V)	Data Rack
Control Central-Power Supply OP-183/FSC-119(V)	Power Supply Rack
Console, Communication Control OJ-680A/FSC-119(V)	Operator Position, AC
Console, Communication Control OJ-680D/FSC-119(V)	Operator Position, DC
Console, Communication Control OJ-680T/FSC-119(V)	Operator Position, Tower
Console, Communication Control OJ-681/FSC-119(V)	Supervisor Position
Console, Communication Control OJ-682/FSC-119(V)	Maintenance Position

**SECTION III**  
**INTERGRATED LOGISTICS SUPPORT (ILS) PLAN FOR THE**  
**INTEGRATED VOICE COMMUNICATIONS SWITCHING SYSTEM (IVCSS)**

<u>MILESTONES</u>	<u>PLAN</u>	<u>RESCHEDULE</u>	<u>ACTUAL</u>
User Logistics Support Summary (ULSS)			03/95
Preventive Maintenance Package			10/97
Maintenance Plan			12/98
Provisioning Parts List			09/98
On-the-Job Training Handbook			07/97