

Operation Team Meeting at Orange Co. Headquarters 1/17/78

Attendance:	1st day	2nd day
CDF	Gary Buzzini, State Forest Ranger Joe Springer, Chief Region VI Keith Metcalfe, FIREScope Project Officer Mike Schori, Deputy State Forester	Gary Buzzini Joe Springer Keith Metcalfe Mike Schori
L.A. Co.	Stan Barlow, Chief Deputy	
L.A. City	Frank Borden, Assistant Chief Glenn Dinger, Battalion Chief	Frank Borden
O.E.S.	Mike Scherr, Assistant State Fire & Reserve ^{RESERVE} Coordinator Dick Barrows, Chief Jerry Smith	Mike Scherr
U.S.F.S. Fire Lab	Charles Philpot, Assistant Director Dick Chase, Forester Earl Anderson, Oper. Res. Analyst Tim Paysen, Res. Forester Randy Van Gelder, Oper. Res. Analyst Kelly Mason, Elec. Engr. Morris McCutchan, Project Leader	Earl Anderson
U.S.F.S. FIREScope	Bob Irwin, Project ^{PROGRAM} Manager Arnie Masoner, Asst. Project ^{PROGRAM} Manager	Bob Irwin Arnie Masoner
U.S.F.S. R.O.	Dick Millar, Chief R.O. Fire	Dick Millar
Ventura Co.		
Santa Barbara Co.	Bob Halliburton, Deputy Chief	Bob Halliburton

Presentation by Dick Chase and Research personnel of Final Research Design for FIREScope.

Some basic things about Research Design:

1. Not all items are capable of being implemented immediately - political and financial constraints may prohibit this.
2. Within scope of technical capabilities.
3. Increments are a part of the design.
4. Divided into two Systems - ICS and MACS.

ICS: Organization
 Terminology
 Procedures
 Communications

MACS: OCC
 Communications
 I. R.
 Weather Network
 Information System/Data Processing

5. Design identifies hardware and etc. by what the performance specifications are for each function - not procurement specification.

OCC Design RecommendationsA. Major Characteristics

1. Dedicated facility
2. Co-location with the Joint CDF-FS, and OES Coordination - dispatch operations (RO, VI, and Zone)
3. Operating System be designed to support fire and rescue services for all types of incidences.
4. Co-location with some level of NWS forecasting ability.
5. Service functions performed by participants' personnel on assigned schedule basis.
6. Support functions carried out by a single agency, contractor or similar entity.
7. System capabilities available full time, but with a level of readiness for various functions geared to expected probable demand.
8. Central coordination point for all fire services interagency resource requests above normal day-to-day mutual aid level.
9. In-house computer processing capability.

B. Functions - Support1. Administration

MACS operations
Facility operation and maintenance
Fiscal accounting
Servicing communication, weather, hardware, etc.

2. Data Processing

Data base maintenance
Resource status system maintenance
Situation status system maintenance
Modeling program maintenance
Hardware system maintenance

3. Document Control

FIRESCOPE Publications
Library and A./V.

C. Functions - Service

1. Training Coord.

2. Sistat - Restat

Data collection and display

3. Coordination

Interagency resources
Incident communications
System ICS support
Non-Fire Coop agency liasion
Pre-attack planning

INFRARED Telemetry System

- A. U.S.F.S. Aircraft (King Air)
- B. Mobile Ground Unit(s)
Van or trailer mounted
20-25 mile range
- C. Fixed Ground Unit
OCC
100-120 mile range
- D. Ground Unit Hardware
Telemetry Receiver 915 MHZ
Telemetry Transmitter 915 MHZ
VHF Transceiver
Data Tape Recorder/Reproducer
Signal Decoder
Fiber Optics Image Recorder
Tracking Antenna

Weather Component of Design
(presented by Morris McCutchan)

Recommend 30 Primary and 20 Secondary automated weather stations for Program. (Stations to transmit data via GOES satellite.) Full network required to support total fire management model; decreased modeling capabilities would require fewer stations.

Short slide presentation on components of the auto stations. Estimated \$7,500 for each station.

Recommend 2 full time people for maintenance of systems - with Agency assistance.

Data Processing
(presented by Randy Van Gelder)

Recommend acquisition of specialized AFOS communication/data processing terminal to tie into AFOS System with National Weather Service and handle weather data processing requirements.

Described items such as Initial Attack Assessment, Fire Behavior Assessment, Line Production Assessment, Line Effectiveness, and Resources Status Modules.

Fuels Data Base
(discussion by Tim Paysen)

General views of how Fuels Data Base is being collected and associated problems. Suggestion to get data from other agencies - i.e., BLM, Edison, California Fish & Game. Very important that the Fuels information is correct and accurate!

Comments were made by Dr. Philpot about research efforts and followup expertise that will be available for FIREScope Program for further years.

Progress and Status Report
(presented by Bob Irwin)

1. Mapping - discussion of Task Force meeting with Mike Renslow on mapping. Mike to meet with all Agencies during next month or so. March 7th meeting to look at orthophoto options - needs and future program direction.

Some discussion on how the ortho maps will be used and stored, major concern about actual storage space needed.

2. Option Levels - S.D.C. progressing on this task. Will need to schedule a meeting at a later date to discuss the option levels.
3. Computer Systems - San Bernardino Ranger Unit and N.F. will try IAA module, and go to ICS. They will prepare to participate in Resource Status Keeping Model Test, but are concerned about local workload to complete the job.

FIREScope Action Plan
(discussed by Bob Irwin)

1. Group went through the document and reviewed problem and goals as being valid.
2. Detailed discussion on Objectives - action required and who and when.
3. Irwin to send out memo on rationale of \$3.7 million budget recommendation, show why not \$1.2 or \$15.0 million.
4. Task Force to develop ICS Evaluation Team guidelines, procedures, and etc.
5. Need to "formalize" the Communication Group, with a chairman and etc. Program Office to include in action for B.O.D. approval.
6. Page 10 - Action Plan - objective and action needed for "how to use (actual) computers - for current programs."
7. Final review on "action plan" to identify the specific items that need B.O.D. decisions, or thoughts. Five items.

Economic Evaluations of Option Levels from SDC Contracts
(presented by Earl Anderson)

1. Aerospace will identify cost evaluation by options. Evaluation will be by operation and maintenance, purchase, etc.
2. Aerospace will need impact data from agencies on such items as reduction of losses, savings in manpower, and/or equipment, what prime concerns of agencies are - i.e., to reduce operating costs, or to save structures, resources, etc.

Task Force Activities
(update by Mike Scherr)

1. New Chairman - George Lund.
2. Slide Tape Orientation Program - is being reviewed and updated. Max Crook, Ventura Co., is putting this together, final review on 2/14/78.
3. Training Committee working with Task Force and SDC on lesson plans for I.C.S. jobs.
4. Reviewed Document Control System as proposed by S.D.C. Will be turned over to OCC in May or June.
5. Working on map symbology - not finished yet.
6. Working on MACS - OCC exercise for training.
7. Training on publication 520-1, accomplished.
8. Orthophoto meeting on maps available - how to use them - options, etc.
9. Changes being made in organization of ICS Air program - communications and plans also may be involved.
10. Demo on BCS 50 telephone system at Orange Co. on 1/19/78.
11. Worked on Fire Analysis with Irwin and Masoner.

Core Area
(discussion by Bob Irwin)

General discussion on doing away with "Core Area." Suggest a general "FIREScope" area and identify "test and evaluation" areas for specific types of testing. Any test area must meet specific criteria to qualify.

Fire Analysis Form
(discussion by Bob Irwin)

General consensus that analysis should be in a narrative form using specific data on fires.

ARNOLD MASONER
Assistant Program Manager