



**Western Region Technical Attachment
No. 95-10
April 4, 1995**

AWIPS

[Editor's Note: The attached are briefing slides that highlight the current planning for AWIPS development. They were presented at the Manager's Meeting the week of March 27.]

AWIPS MAJOR STAGES

AWIPS PATHFINDER

June 1995

Initial Operations Begin

10/96 - 3/97

Closure Certification Capabilities

1998

Target Staffing Capabilities

1999

DATA

GOES 7 & 8 Image Data
Local NEXRAD Image Data
High Resolution Gridded Data

All Modernization Data Sets

Expanded Interactive Access
to Data Sets
Local Mesoscale Data Sets

Full Interactive Access
to Data Sets

COMMUNICATION

Initial Satellite Broadcast
Network
Limited Network Control
Facility

Full Satellite Broadcast Network
Full Network Control Facility
Site-to-Site Communications

National Dissemination
Systems
Limited Local Dissemination

Full Acquisition and
Dissemination

APPLICATIONS

NWS River Forecast System
Precip Processing

Additional Hydromet Applications

Simple Product Formatting
Warning Generation
Expanded Hydromet Capability

Full Hydromet Capability
Advanced Product Generation
and Support

OPERATIONS

Data Display
AFOS System still present
Initial Stage 2 Staffing

Interactive Display and Manipulation
AFOS Workstations/PUP/SWIS
used for backup, some consoles
removed
Local Application Development
Initial Stage 2 Staffing

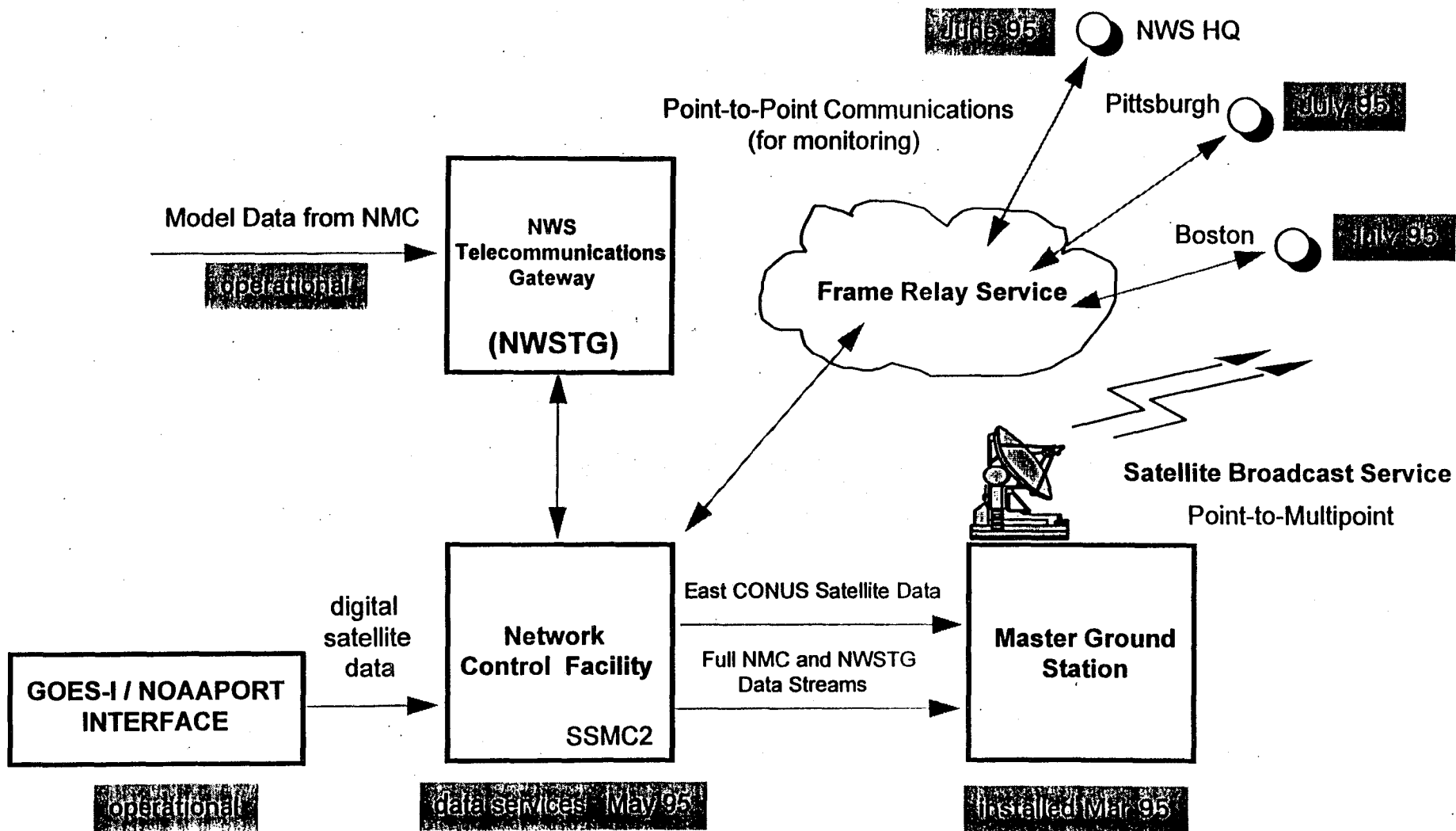
AFOS/SWIS removed
Weather Forecast Office
(WFO) and River Forecast
Center (RFC) interactions
supported

Full Operational Support
Target Staffing Achieved

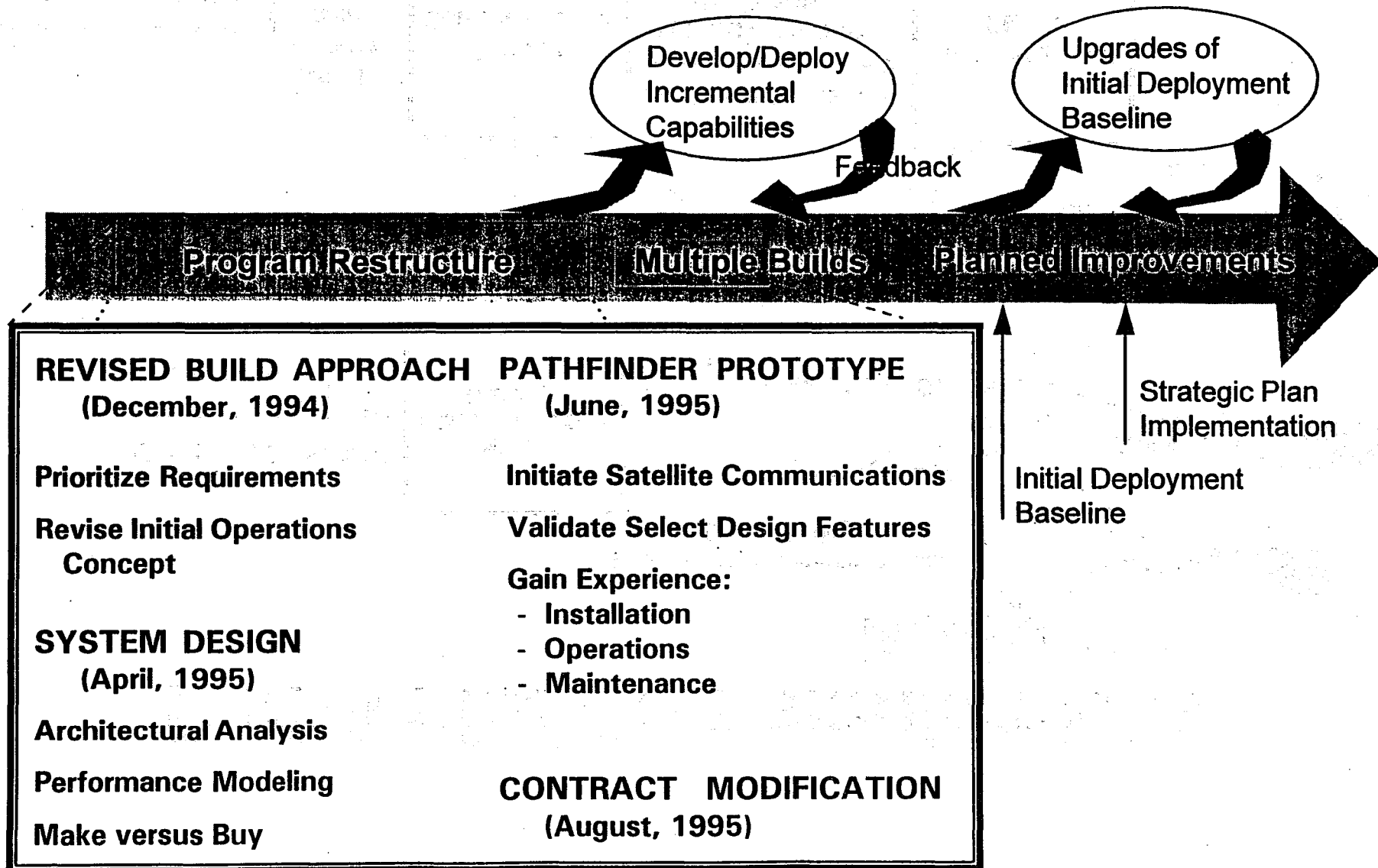
AWIPS DEVELOPMENT RESPONSIBILITIES

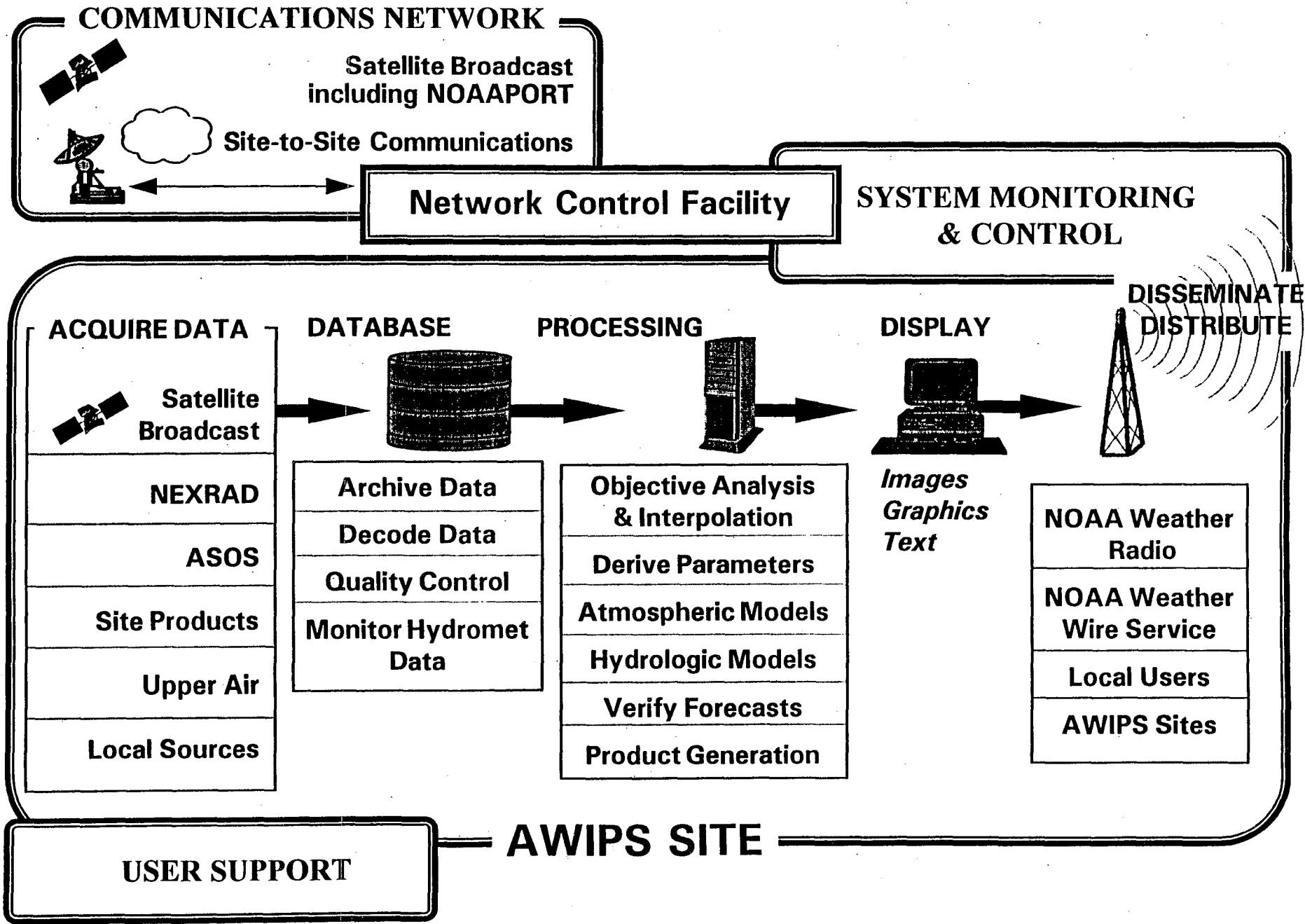
- PRC
 - Design and develop System Infrastructure and Applications Programming Interfaces (API)
 - Integrate hydrometeorological software
 - System Operations and Maintenance
- Hydrologic Research Laboratory
 - Design, develop and evolve RFC applications and WFO hydrologic applications
- National Centers for Environmental Prediction (NCEP)
 - Design, develop and evolve NCEP applications and extensions
- Techniques Development Laboratory
 - Design, develop and evolve WFO meteorological applications
 - Integrate all WFO applications

Pathfinder Communications



SYSTEM DEVELOPMENT APPROACH





AWIPS Application Framework

- **AWIPS Services**
- **Application Programming Interfaces (API)** to access services
- **Standards for sharing resources** (database, colors, etc.)
- **Application template**

