



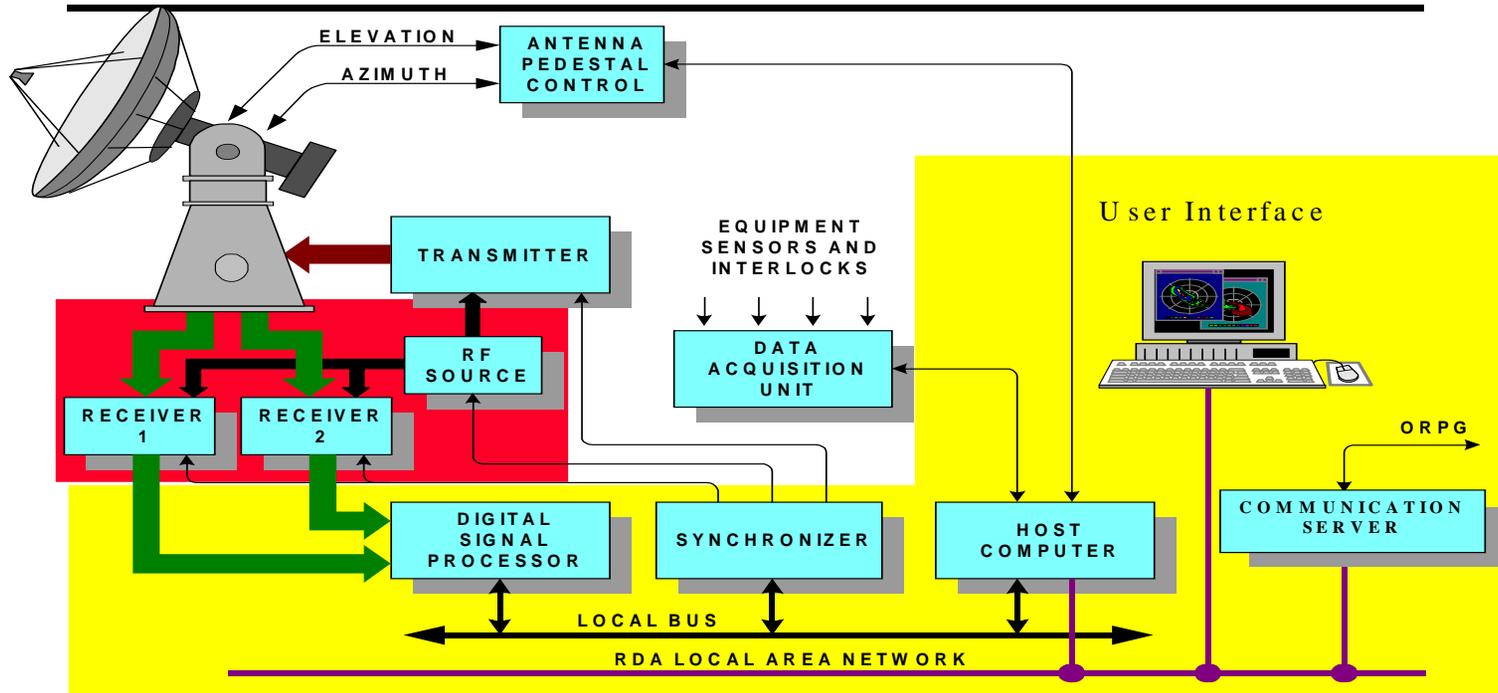
# ORDA Status

March 31, 2004

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# NEXRAD Product Improvement

Open RDA New Components (yellow shading)  
Dual Polarization New Components (red shading)



NPI Status

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NEXRAD Open System Architecture

# Current Status

- ORDA Development/Integration Ongoing
- RSIS has proposed schedule slip (5 months)
  - Underscoped Level-of-Effort
  - IFD Update Delayed
  - Briefed to OS&T Management March 11
  - Briefing to NWS Director, NPMC Pending
  - Contract Actions Required
  - Impacts 6 month Build cycle

# Schedule (Proposed)

ID	Task Name	Duration	1Q04			2Q04			3Q04			4Q04			1Q05			2Q05
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
			1	Development	3.35 mons	[Bar]												
2	Integration	15 wks				[Bar]												
3	Basic Engineering Tests	15 wks				[Bar]												
4	Basic Eng Test - 72MHz IFD	4 wks							[Bar]									
5	System Test Readiness Review	1 wk							[Bar]									
6	System Test (ROC)	17 wks							[Bar]									
7	Acceptance Test Readiness Review	1 wk																
8	Pre-Beta Acceptance Test	5 wks																
9	Beta Test Readiness Review	1 wk																
10	Beta Installs	6 wks																
11	Deployment Readiness Review	1 wk																
12	Deployment (thru Apr 06)	4 wks																

3/31/04

# Schedule Considerations

- No schedule compression available in development/test
- Build-in option for deployment acceleration
  - Option for additional teams
  - Introduce sites to acceleration concept
  - Training and hardware acquisition must keep pace

# Technical Performance Analysis

- ROC Subject-Matter-Experts analyzing ORDA radar parameters, GMAP performance
- Include Operational Tests
- “Basic Engineering” tests verify integration fundamentals satisfactory

# Potential Added Field Testing

- Potential for fielding portable ORDA (porta-ORDA) to select sites
  - Unit is in portable chassis
  - Can be installed/deinstalled quickly
- Installation during System Test to expose any operational issues
- Expected performance advantages of ORDA will encourage field buy-in

# Risk – Test Bed Contention

- Test Bed Contention Continues as Major Risk
  - Test Bed needed by
    - ORDA
    - Six-month builds
    - ROC O&M Support
  - Reduce Risk by Minimizing Build 7 content; coordination with ROC
  - Requires coordination with SREC and NPMC

# Dual Pol Update

# Proposed Schedule

## Schedule

- Operational Development – FY04 – FY07
  - Phase 1 – FY04
    - Define Requirements
    - Complete Program Plan/Acquisition Plan
    - Develop Statement of Objectives for Contract
  - Phase 2 – FY05-07
    - Design/Development
    - Test
- Deploy, Maintain & Assess – FY07-09
  - Production
  - Deployment
- *Obtain NPMC approval-to-proceed at key Program milestones*

# Activities

- Request-For-Information Sent
  - Responses Received
  - GC/Contracts Issues Being Resolved
  - Defining Review Team
- NSSL/ROC/OS&T Discussions on RPG-related development requirements

# Acquisition Strategy Outline

- Develop Performance Requirements
  - Leverage NSSL Experience
  - Include ROC and Agency Stakeholders
- Continue Emphasis on Commercial Solutions
- ORDA SIGMET Supports Dual Pol Modification
- With Requirements as Driver, Contract for –
  - Development
  - Production
  - Deployment
- Utilize NSSL work in Dual Pol Algorithm Development
- Align with Current NEXRAD Maintenance Concept
- Administer in OS&T/NPI