

Ohio Broadcast Educational Media Commission
Prebid Conference – January 16, 2015

PROJECT OVERVIEW

TODAY'S MEETING

- ✖ Introductions
- ✖ Brief overview of project
- ✖ Tour of facilities
- ✖ Q&A

RFP EVALUATION TEAM

- ✘ Dave Johnson, Interim Executive Director BEMC, Manager of Broadcast Operations BEMC
- ✘ Craig Stevenson, Chief Engineer BEMC
- ✘ Eric Wortman, Broadcast Engineer, BEMC
- ✘ John Luff, Consultant to BEMC
- ✘ David Carwile, OETS Administrator
- ✘ Tom Furnas, Senior Director of Technology, ideastream
- ✘ George MacKnight, Director of Engineering, ThinkTV/CET
- ✘ Tom Cummings, Director of Engineering & Technical Services, WBGU

PROJECT GOALS - OETS

- ✖ Unburden operations to focus on creation of content
- ✖ Reduce station Opex/Capex
- ✖ Facilitate a shared archive
- ✖ Plan for disaster recovery
- ✖ Enhance peer to peer sharing of content between stations

PROJECT GOALS - BEMC

- ✘ Update infrastructure to reduce downtime and maintenance
- ✘ Adopt modern, best practice workflow
- ✘ Enable centralized operations
- ✘ Retain ability for individual stations to operate without moving to centralization
- ✘ Provide for future capacity
- ✘ Provide structure for additional future services

EXISTING SYSTEM ELEMENTS

- ✖ Statewide distribution network
- ✖ MPEG SD and HD video compression hardware
- ✖ NOC video/audio routing
- ✖ 400+ TB storage platform

CONCEPTUAL DESIGN GOALS

- ✘ Modular architecture using software virtualization to the maximum extent possible
- ✘ Tight integration between central automation and station ProTrack systems
- ✘ Provide for remote monitoring of stations to allow 'lights out' at station facilities
- ✘ Retain existing station infrastructure for disaster recovery

CONCEPTUAL DESIGN GOALS

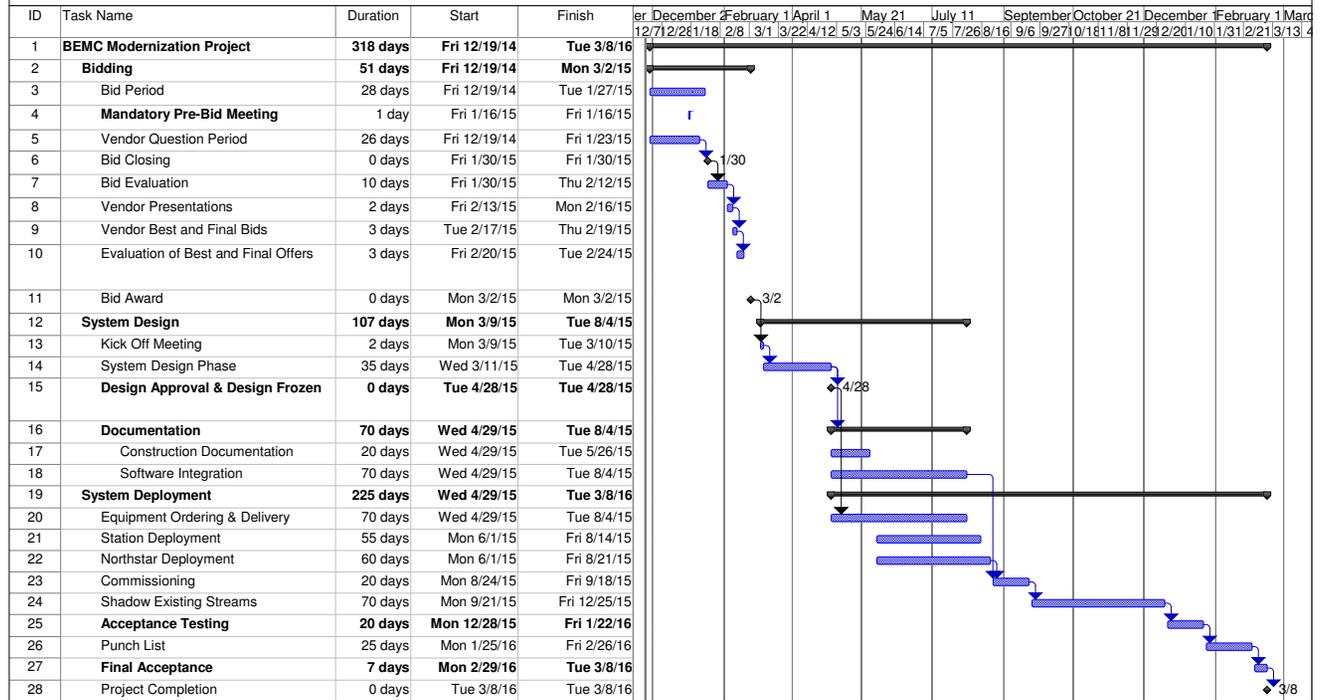
- ✖ Provide for adequate redundancy
- ✖ Implement automated QC of content
- ✖ Facilitate peer to peer file interchange between NOC and stations

CONCEPTUAL DESIGN GOALS

- ✖ Keep ATSC encoders at stations
- ✖ Enhance voice communications between BEMC NOC and stations
- ✖ Create operator environment conducive to low event error rate

SCHEDULE

Ohio Broadcast and Educational Media Commission Northstar Modernization Project



Project: BEMC Modernization Schedule Date: Tue 12/16/14	Task		External Milestone		Manual Summary Rollup	
	Split		Inactive Task		Manual Summary	
	Milestone		Inactive Milestone		Start-only	
	Summary		Inactive Summary		Finish-only	
	Project Summary		Manual Task		Progress	
	External Tasks		Duration-only		Deadline	

TOUR

Q&A
