Salient Characteristics

United States Air Force Band, Washington DC

Digital Mixing Console & Real-Time Audio Processing Engine

4 March 2026

Part 1

General Information

1. **GENERAL:** This is a goods contract to provide two (2) digital mixing consoles and four (4) real-time audio processing engines to the United States Air Force Band, Washington, D.C. The Government shall not exercise any supervision or control over the contract service providers performing the services herein. Such contract service providers shall be accountable solely to the Contractor, who, in turn, is responsible to the Government.

The United States Air Force Band performs community relations concerts in the National Capital Region and tours throughout the United States, as well as protocol missions at venues such as the White House, the Pentagon, and other high-visibility national events. The reliability, audio quality, and processing capability of the Band's digital mixing and plugin processing systems are mission-critical to ensure flawless execution of these performances.

The current digital mixing consoles (DiGiCo SD11) are over ten (10) years old and are approaching the end of their operational lifecycle. The current plugin processing server (Waves Extreme Server) is six (6) years old and is nearing hardware lifecycle limitations. Replacement is required to maintain mission capability, reliability, and compatibility with modern production standards.

Vendor shall provide the following equipment at cost to the United States Air Force Band to be delivered to Hangar 2, 201 McChord Street SW, Joint Base Anacostia-Bolling, Washington, DC 20032

- DiGiCo Quantum 112
    - The vendor shall provide:
    - Two (2) new DiGiCo Quantum 112 digital mixing console
    - Latest generation FPGA processing platform
    - Minimum 128 input channels
    - Optocore ports
    - Mustard Processing and Nodal Processing capability
    - 96kHz operation
    - Integrated redundant power supplies
    - Compatible with existing DiGiCo stage racks and infrastructure
    - Manufacturer's warranty included
    - New (not used or refurbished)
    - All required software licenses
    - All required power supplies and standard accessories
    - Delivery to Hangar 2, Joint Base Anacostia-Bolling
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- Fourier Audio Transform.Engine
    - The vendor shall provide:
    - Four (4) new Fourier Transform.Engine real-time plugin processing unit
    - Low-latency processing optimized for live sound applications
    - Cross-platform plugin compatibility (VST3 or equivalent)
    - Redundant power capability
    - Network audio compatibility suitable for integration with DiGiCo systems
    - Manufacturer's warranty included
    - New (not used or refurbished)
    - All required software and licensing
    - Delivery to Hangar 2, Joint Base Anacostia-Bolling