Bid Change Order #5

Bid Number: 075-13

Amendment Date: September 20, 2023

Title: Noise & Operations Monitoring System (NOMS)

Contractor: PASSUR Aerospace, Inc.

This Change Order is effective as of November 1, 2023 (hereinafter "Effective Date"), between PASSUR Aerospace, Inc., having a place of business at 3452 Lake Lynda Drive, Suite 190, Orlando, FL 32817 (hereinafter "PASSUR"), and Snohomish County, having a place of business at 3220 100th Street SW, Everett, WA 98204.

WHEREAS, Exelis Inc. (hereinafter "Exelis") and Snohomish County entered into Contract No. 075-13 entitled Noise & Operations Monitoring System (NOMS) for services, of which the contract period of performance was 11/1/2013 – 10/31/18 (hereinafter "Agreement").

WHEREAS, on November 10, 2015, Exelis and Snohomish County executed Change Order 001 to the Agreement and selected the contract option for a Flight Tracking Web-based Public Access Use Portal (Symphony PublicVue).

WHEREAS, on September 20, 2018, Harris Corporation (hereinafter "Harris"), successor in interest to Exelis, and Snohomish County executed Change Order 002 to extend the Agreement for an additional five (5) years, remove the Flight Tracking Web-based Public Access Use Portal from the Agreement's scope, add the PlaneNoise Complaint Box integrated complaint management solution, and add an option for Snohomish County to add the integrated Symphony Contours with Virtual Noise Monitors (VNMs) module to the current NOMS at any time during the Agreement's term.

WHEREAS, on June 16, 2021, L3Harris Technologies, Inc. (hereinafter "L3Harris") and Snohomish County executed Change Order 003 that assigned the contract from Harris to L3Harris and updated Snohomish County's Complaint Box Communications Module to address changes in Snohomish County's approach to handling noise complaints.

WHEREAS, on April 10, 2023, PASSUR and Snohomish County executed Change Order 004 which assigned the Agreement from L3Harris to PASSUR, as well as updated the contract contact information and payment remittance address.

WHEREAS, PASSUR proposed to extend the Agreement for an additional five (5) years, and add an option for Snohomish County to add the integrated Symphony Contours with Virtual Noise Monitors (VNMs) module to the current NOMS at any time during the Agreement's term.

WHEREAS, PASSUR and Snohomish County agree that it is in both party's interest to extend the Agreement for an additional five (5) years, and add an option for Snohomish County to add the integrated Symphony Contours with Virtual Noise Monitors (VNMs) module to the current NOMS at any time during the Agreement's term.

IN CONSIDERATION OF the promises and mutual covenants and agreement contained herein, the Parties agree as follows:

1. This Agreement is hereby extended for five (5) years. The new Agreement expiration date will be October 31, 2028.

2. Snohomish County may add the Symphony Contours with VNMs module to the Agreement's scope for the remaining duration of the Agreement term at any time during the Agreement term by Snohomish County issuing a purchase order for the pro-rated current annual contract year price, executing a change order to the Agreement, or through another mutually agreeable method. See Attachment 1 for the Symphony Contours with VNMs product description.

3. Agreement pricing for the five (5) year extension period, as well as solution enhancements is outlined in Table 1 and optional solution enhancements outlined in Table 2 below.

Table 1 - NOMS Pricing:

Description	Price (USD)
NOMS Extension Year 1 Including PlaneNoise	$92,996
NOMS Extension Year 2 Including PlaneNoise	$92,996
NOMS Extension Year 3 Including PlaneNoise	$92,996
NOMS Extension Year 4 Including PlaneNoise	$92,996
NOMS Extension Year 5 Including PlaneNoise	$92,996
Five Year Extension Total	**$464,980**

Table 2 - Optional Solution Enhancements Pricing:

Description	Price (USD) [1,2,3]
Symphony Contours with VNMs Setup Fee	Waived
Up to 4 hours of web-based training on Contours with VNMs	Complimentary
Annual Symphony Contours with VNMs Fee	$15,000

1. Pricing is contingent upon Snohomish County maintaining the base NOMS services outlined in Table 1 above.

2. Pricing valid through October 31, 2024. If Snohomish County desires to add this optional solution enhancement at a later date, PASSUR will need to confirm and possibly adjust pricing, not to exceed annual CPI for each contract year.

3. Contours with VNMs is a commercial off-the-shelf product. Since Contours with VNMs excludes operations with unknown aircraft types from calculations, if Snohomish County desires to work with PASSUR to customize the system to assign aircraft types to the operations with unknown aircraft types based on a custom set of rules, PASSUR will provide a separate quote for the additional setup fee, which will include an hourly fee and scope.

All other terms and conditions of the Bid shall remain unchanged.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed as the day and year set forth below:

"SNOHOMISH COUNTY"   "PASSUR Aerospace, Inc.

Signature: _____   Signature: _____

                                                                   Name: Allison O'Neil

County Executive   Title: Executive Vice President of Finance
                                                                                and Administration

Date: _____   Date: _____

Change Order 005 Attachment 1
Contours with Virtual Noise Monitors Product Description

Product Overview

PASSUR Symphony *Contours with Virtual Noise Monitors* will provide users the capability of calculating noise levels based on flight tracks at a certain chosen location on a GIS map. The PASSUR "*Contours with VNMs*" software module integrates with the *EnvironmentalVue* application and database to allow an airport to quickly and easily generate noise contours based on actual flight tracks. *Contours* module is based on the FAA Integrated Noise Model (INM) and is being upgraded to support the FAA Aviation Environmental Design Tool (AEDT). This module quickly and easily generates daily, weekly, monthly, quarterly or annual noise contours, including "what-if" scenarios. VNMs complement or replace fielded noise monitors. The *Contours* module can be easily set up to monitor any location in the vicinity of the airport.

Key advantages of *Contours with VNMs* include:
- Contours/VNMs powered by L3Harris NextGen *Data* results in high fidelity contours
- VNMs can be located in the vicinity of a noise complainant vs. fielding NMTs which may or may not be in the vicinity
- VNMs use aircraft-calculated noise metrics vs. NMTs which have ambient/community noise bias
- Airport can easily run contours resulting in lower cost to generate and produce annual or periodic contours
- Contours/VNMs can help validate RNAV departure procedures (RDPs) and other noise abatement departure procedures (NADPs)
- VNMs that are complemented by a portable noise monitor result in effective and targeted customer outreach when compared to existing NMT metrics and data

Available Virtual Noise Monitor Metrics:
- L-eq (A-weighted equivalent sound level)
- L-max (A-weighted maximum sound level)
- EPNL (Effective perceived noise level)
- SEL (Sound Energy Level)
- CNEL (Community Noise equivalent level)
- TALA65 (A-weighted noise level time above 65)

VNMs also exclude "noise contamination" from ambient or communication noise versus aircraft-only calculated noise metrics and reduce the total cost of ownership (TCO) when compared to field NMTs given the recurring costs for annual calibrations, maintenance contracts and recurring high-speed Internet.

Contours with VNMs excludes operations with unknown aircraft type from Contours and VNMs calculations.