A Lyjak Cybernetics Consulting LLC

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September 12, 2023

H3D, Inc

HTTPS://H3DGAMMA.COM

Letter of Commitment

A Lyjak Cybernetics Consulting LLC's (ALCC) is commited to supporting H3D, Inc. through execution of the tasks outlined in Appendix A of the consulting agreement initially signed by myself on 3/27/2023 and by Michael Streicher on 4/6/2023. The agreement was amended and re-signed by myself on 8/16/2023 and by Michael Streicher on 8/29/2023. It is our joint understanding that execution of this contract will benefit the efficiency and quality of H3D's production and product development capacities. This contract is a fixed price contract. The price of each task is calculated based on the task's work-hour estimate multiplied by ALCC's standard hourly rate of **$120/hr** It is my understanding that H3D depends on A Lyjak Cybernetics Consulting LLC fully and faithfully executing the statement of work as part of the general work and cost associated with H3D's development effort entitled "High Signal-to-Noise Pixelated CZT Directional Spectrometer for Generalized Holdup Measurements". All costs associated with this contract are labor costs. We confirm that the rates used on for this contract are consistent with ALCC's standard prices. There are no parts, equipment, or materials billed under the contract. All tasks are to be billed in the second budget year. The following is a summary of the contracted tasks and their prices:

Detector QC Configuration and Verification This task is focused on ensuring H3D is using the full capabilities of the detector burner and updater. The main focus is ensuring configuration file templates are produced correctly and the operator is aware and in-control of what is going on during an image burn/update. **Effort: 27 work-hours, Price: $3,240.00**

Extract Open Source Software from H3ID Extract base software and configuration-as-code infrastructure from H3ID, H3D's in-house product lifecycle management (PLM) application suite, into a separate open source project. We predict this task to increase the reliability, and lower the per-user cost for the PLM application by increasing the available pool of users and developers using the product. **Effort: 88 work-hours, Price: $10,560.00**

Capture Calibration Data and Store in H3ID Define and implement a schema and associated API functionality that delineates calibration data from other system configuration information. This functionality will enable product lifecycle-aware application and extraction of calibration data to and from system configuration files. **Effort: 68 work-hours, Price: $8,160.00**

Golden Archive Rendered Template Override This milestone is complete Add a field to burn logs that allows them to be flagged as a golden archive. If a golden archive is flagged for a particular detector, then do not render templates, instead populate the staging filesystem with the files within/linked to the archive. Then when synchronizing filesystems, this will enable the user to view differences between the detector's filesystem and the archive, rather than between the detector and the rendered templates. Only allow one golden archive per detector. **Effort: 16 work-hours, Price: $1920.00**

Update Production Server Run the update server procedure, ensuring to push new defaults (calibration key schema files), and create and save new migrations. **Effort: 8 work-hours, Price: $960.00**

Total Contract Value **Effort: 207 work-hours, Price: $24,840.00**

In conclusion, A Lyjak Cybernetics Consulting LLC is fully committed to fully and faithfully executing this contract.

Sincerely,

Andrew Lyjak

owner