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**Date:** February 12, 2024 at 9:45:00 AM EST  
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**Subject:** **RE: PWC OLS ATP Level Test Bench requirements**

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Hi Jared,

After meeting with Rob and George at Allen Aircraft Products (AAP), I think we close, but a couple items I’ve listed below yet need to be resolved.  When would you have time to discuss?

At the outset, AAP presented the project to Rovisys as “Needing help” using LabVIEW to automate some production testing beginning with the OLS Level test bench, described in your proposal. AAP desires to develop production test automation competency in its internal IT resources so to be more self-sufficient in this area of their business in the future.  To that end, AAP would like one of its developers to be intrinsically involved in the LabVIEW development process of at least one of what AAP considers the project’s three basic elements, 1) the controls, 2) HMI and  3)Report generation and data storage. We need to discuss how this might work?

From your Proposal:

3.1 R Ales Consulting has requested an Agile-based PM methodology, so this proposal is presented on a Time & Materials basis.

* + How does the quotation change if Agile based PM is not requested?

3.4  Requirements definition

* + In addition to the submitted requirements definition and the ATP test plan documents submitted, how much more additional information do you need to complete the design?
  + I suspect that any additional requirements would be identified at the design review.

3.5.1 Proposal is provided on a Time and Materials basis, and proposed hours may not be sufficient to implement all features requested.

* + What does it take to make this this a “NOT TO EXCEED” quotation?   AAP management feels comfortable seeking project approval and funding once, but feels it will be difficult to make multiple requests of senior management for incremental project funding.  The exception would be for any obvious change of scope.

3.5.5 System Documentation

* + There are four required documents based on the AAP Requirements Spec: Design Spec, Test Plan, Test Procedure, and Test Results.
  + These projects doc are deliverable at each stage as indicated below.
  + All code needs to be fully commented as recommend in NI LabVIEW style guide Part 1 & Part 2 at a minimum.

3.5.4 Due to the nature of the project being executed in sequential phases, there will be multiple onsite visits. Each visit will include some variation of …

* + How may sprints do you envision?  Since most Agile sprints run on a two-week cadence and the Rovisys estimate is for an 80 hours of control configuration.  I am thinking, this project is linear with Five stages and gates:

1. DESIGN:  a scrum consisting of a design review, that includes is working concept review which is likely to be presentation of the Rovisys Application Framework DOC: Design Spec.
2. DEVELOP:  one Sprint that does the AAP specific LabVIEW programming and integration into Application Framework   DOC: Test Plan & Procedure
3. VALIDATE:  a sprint summary presentation and evaluation by AAP where defects and scope changes may be identified. DOC: Test Report, Final SAT procedure.
4. VERIFY: Final SAT,
5. DELIVERY: turnover of project artifacts and close
   * The stages gates may be combined as appropriate.

3.5.5  The project turnover package will also include the as-installed software configuration files

* + AAP has a bad history of “being held hostage by programmers” and would like the following addressed:

1. AAP assume this project is work for hire therefore AAP will own all the work product of the project.
2. By “as-installed software configuration files”  does this mean all source files including editable source files for both customized VI’s and any Rovisys Technology used like Vis or DLL to implement the Application Framework
3. AAP expects to be granted a perpetual, royalty free license to use any and all proprietary Rovisys IP that may be used in this project.  (covered in T&C 12. RoviSys Tools and Templates)

4.1 Pricing

* + Again, this must be a not to exceed number excluding change of scope requests.

NOW IS THE TIME:  Please reply to all with any comments regarding the Rovisys Proposal (attached) or my reply.

Cheers,

Rick

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