2 May, 2012

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**Progress Report – 1 Apr 2012 – 30 Apr 2012**

Contract Number: HSHQDC-06-D-00022

Contract Number 7500097279

Order Number: HSCG23-07-J-TED150

Task Order – Performance Work Statement (PWS) 1.12

Attachments: (1) SAROPS subcontractor financial reports

1. **SAROPS Systems Component Services Tasks**
   1. **Activities completed:**
      1. **Chased bugs and red herrings; “weird name bug (cannot reproduce)” “phantom sim web server crash,” “strange planner output,” and “install problems” to name a few.**
         1. **Most of these actually ended up causing no code changes, but there’s a lot of work chasing down what was causing them. They do not occur consistently or at least do not occur on all machines. They also cannot be discovered by unit-testing; the “units” test out quite well, thank you very much.**
         2. **One of the problems appears to be that there are still times that I don’t handle bad xml files well enough. As bad xml files occur less and less frequently, this becomes less of an issue. In one case, I was logging the error, but not to sim.err.txt; the case containing that file was closed up within Sim by the time the error reporting was done so the logging was going to a “general error file” and not being detected by SAROPS. I did point out the bad line in the xml file (under envdata) and now it won’t happen any more.**
         3. **I believe that the installer issue was because my old installer was built with a previous version of Advanced Installer and the new version does not build installers that automatically invoke “run as administrator.” This again was something that worked on some machines and not on others.**
         4. **“Strange planner output” just appeared strange because of SAROPS’ display. Digging into the case with my display, I ran down that issue quickly.**
         5. **Many more.**
      2. **Progress on better land. New York Harbor worked well. We revised the specs of what shpFiles are necessary to update GSHHS and I wrote code to accommodate the new specs. I’m still working on the Great Lakes refinement.**
      3. **Working on speeding up environmental data for dense data sets. ASA gave me an idea and Jack reinforced it at a conf call. The subject got changed before he could follow up on it, but I did have enough to run with.**
   2. **Travel completed:**
      1. **None**
   3. **Upcoming activities scheduled:**
      1. **More bug chases and land issues**
   4. **Travel planned:**
      1. **None**
   5. **Concerns or recommendations:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Activity Worked** | **Hours Worked** | **Hourly Cost** | **Total Cost** |
| Kratzke | Coding/Doc/Travel | 90 | 248.93 | 22404 |
| Stone | Doc | 0 | 223 | 0 |
| L White (Tech Writer) |  | 0 |  | 0 |
|  |  |  |  |  |
| **Totals** |  | 90 |  | 22404 |
|  |  |  |  |  |