Instructions on Maintaining the Database v.6

1. **What Has to Be in the Database first?**
   1. Primary tables in the database are the Program, Product, WBS, capability, and sprint. It is required to have information inside of these primary tables before you can input data into any of the foreign tables. If what you are submitting into the database does not pertain to any of the primary tables then you will not be able to submit the new data into the database. This will help hold the relationship integrity of the data to be stored in the database.
   2. The relationship tables are what links the corresponding Program, Product, WBSs, capability, and sprint together. Once you have the existing values in their tables, you will need to link them into the relationship tables. You would need to assign the pair of Program, product, and wbs by linking them with the obs table. With the obs table being created you can link cpcr and development to it. Once these are created you can link cabaility to cpcr with the cpcr\_capability table and you can link sprint with cbcr using the cpcr\_sprint table. Lastly you can link development and sprints using the sprint\_development table.
2. **How to retrieve the relationship ID**

Using the program, product, and wbs ids, you would search for the matching group and get a obs\_id through a search query. You can then use this obs\_id to find development and cpcr tables relating to the original program,product,wbs ids. With the cpcr\_id you can find relating capability along with sprint. With the development\_id you can find relating sprint daa.

1. **How to prepare a csv file for Database**

Using the retrieved obs\_id, you would insert this in front of every corresponding row in the csv data file. This works for all other id’s listed in step 2.

1. **How to upload a csv file**

Based on the current setup of the database, using linux you would need to have the file in the current directory you are in. Log into the mysql database and connect to the database. You would use the following command to upload the csv file into the database:

load data local infile '/file\_path/DataFile.csv’ into table [desired table] fields terminated by ‘,’;

1. **How to check validity of uploaded Data**

Based on the current setup of the database, you will get an error message on whether or not the data was submitted correctly. But if you wanted to check and see if the data was correctly linked to the primary table relationships, you can run a query on the table you inserted data into. This will show the rows and columns of the desired table to show that the data was submitted correctly.