1. The BCDS System shall consist of:
   1. A Rating Engine software platform (Orchestrator)
   2. A Repository (Separate from Rating engine) (Thing that will hold all the data)
      1. Historical
      2. Models
      3. Target Set of Data
      4. (TBD) Edited Records
   3. Shall be operational within the FTL-GC for;
      1. Development, Testing and Demonstration
   4. Shall manage multiple distinct data retrievals
2. BCDS System, shall have a Rating Engine, capable of:
   1. Fetch
   2. Populate
   3. Test
   4. Store
      1. All Predictive Models
3. BCDS System, shall have a Repository, capable of:
   1. Creation
   2. Test
   3. Store
      1. All Predictive models; used to rate claims
      2. Accommodating Predictive Models developed (Future TBD)
4. Predictive Models:
   1. Shall be based on the methodology and requirements provided for:
      1. Prediction of Disabilities of the Ear
      2. Prediction of Disabilities of the Knee
   2. Shall have the capability to rate a VA disability claim (The Qualifier is 6.1.1. Entirely Dependent on the Data we have access to)
5. The BCDS System, shall provide the following functionalities:
   1. Capability to provide a recommended rating for the contentions on a Veterans’ disability claim
      1. (Not all contentions will have models in the repository.)
   2. Shall receive feeds from new supplemental claims requesting an increase to the Veteran’s rating
   3. Shall determine which contentions on each claim can be rated (Predictive models)
   4. Shall retrieve data from the Veteran’s claims history, claims text, and demographic information
   5. Shall orchestrate[[1]](#footnote-1) the models and corresponding data;
      1. Outcome = produce a recommended rating for the contentions on the Veteran’s claim.
   6. Shall accommodate future predictive models
   7. Shall have the capability to: separate model logic from platform code
   8. Shall have the capability to: be directly authored, modified and managed
   9. Shall produce a report for each rated contention
      1. Outcome = Analysis of how the rating was determined
   10. Shall allow model(s) be made available to the rater
   11. Shall allow model(s) to be uploaded to the Veteran’s eFolder
       1. (The output is a report as well as an xml file, if you chose to, it would allow them to.)

A more detailed functional requirement for each of these…

Note:

Section 6.5.2 = 508 COMPATIBILITY WITH ASSISTIVE TECHNOLOGY + / -

* That could be deemed as a User Requirement.

1. arrange or direct the elements of (a situation) to produce a desired effect,  [↑](#footnote-ref-1)