Planning Process Group Artifacts
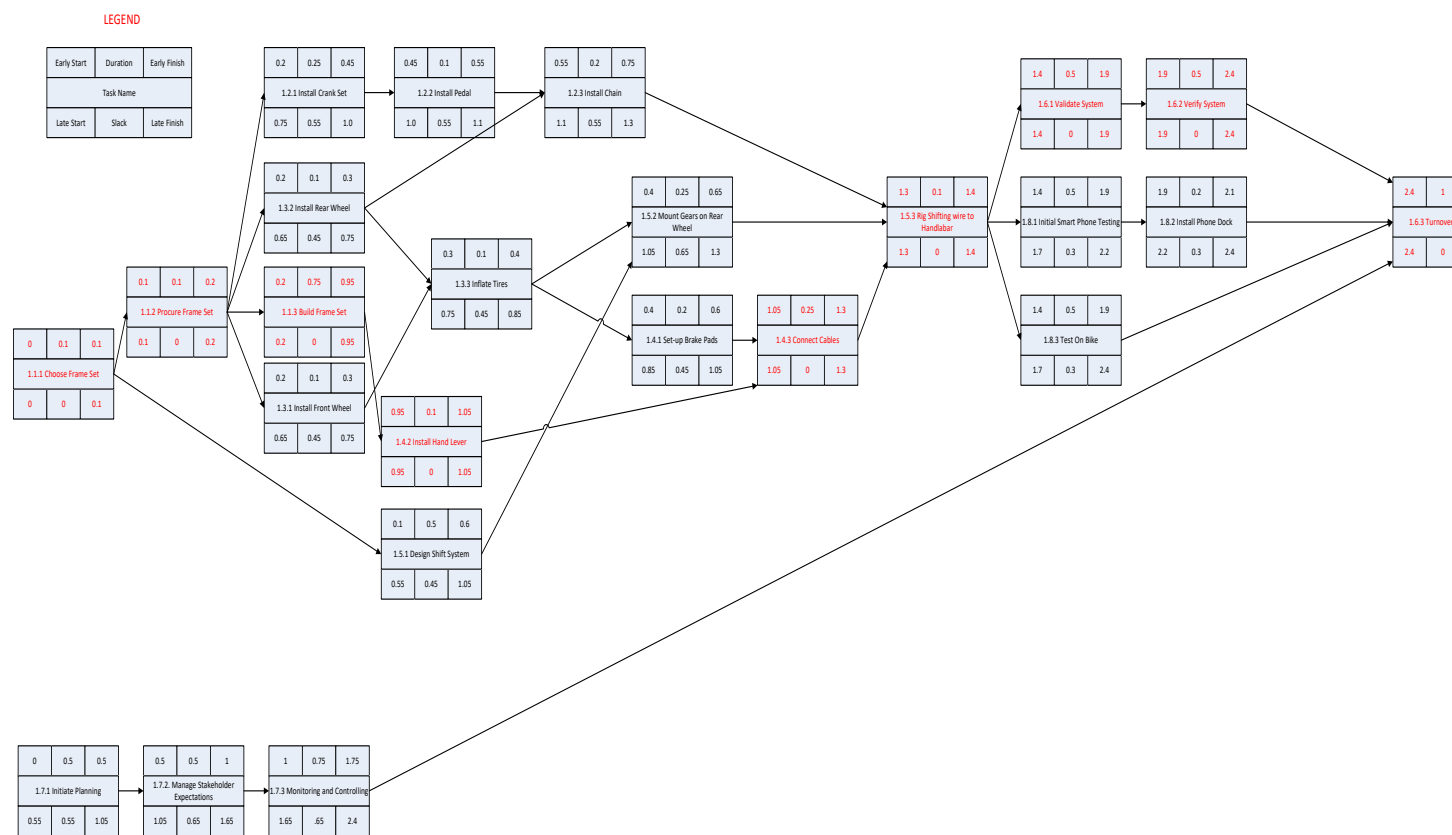
6.3 Sequence Activities

6.3.2 Precedence Diagramming Method (Tools and Techniques)

PMGT 690, ERAU, Prof. Sherman

By: Matthew Holtan

6.3.2 Precedence Diagramming Method (Tools and Techniques): The precedence

diagramming method (PDM) is a technique used for constructing a schedule model in which

activities are represented by nodes and are graphically linked by one or more logical

relationships to show the sequence in which the activities are to be performed (PMI, 2013). This

AON or activity-on-node was taken from PMGT 614 bicycle project. AON is one method of

representing a precedence diagram.   The nodes show the sequence of activities to

include the duration, as well as *finish-to-start* activities (FF). The nodes in red represent work

packages that are on the critical path. This project could be "fast-tracked"; where certain

activities could be done in parallel so that the overall project could be finished early. Whenever

project managers can crash or fast track, this mean that costs and risks go up.

Reference List

Project Management Institute. (2013). *A Guide to the Project Management Body of Knowledge*

(PMBOK Guide, 5th ed) Newton Square, PA: PMI Inc.