GEC15 Workflow notes (does not include AuthN/AuthZ)

1. An instance of the new UNIS runs on global UNIS VM at IU. The original UNIS runs alongside the new service to support existing active components.

2. The MS is included in new GN tarball. The service is installed along with other GN components automatically.

3. The BLiPP daemon is included in MP tarball. This service is also installed along with original software.

4. Bootstrapping includes location of new UNIS. MS and BLiPP both register service information to the new UNIS.

5. Once registered, BLiPP starts measurement collection and sends data to MS.

6. The original LAMP portal is used configure active measurements as before. Each node pulls this config from old UNIS to learn which active services to run.

7. LAMP portal uses existing MA (pS Measurement Archive) to store and generate charts for active measurements.

8. (Optional) LAMP portal is extended to query MS and generate charts for passive measurements collected by BLiPP. This could be first step in getting portal code to work with new components.

9. Periscope is enabled on the GN to display the topology. Clicking on topology elements (node/ports) brings up charts displaying passive measurements streamed from MS. A key goal is to provide more "real time" graphs: 5 second resolution or faster.

10. INSTOOLS portal provides a link to the Periscope URL. Additional discussion needed on how to better integrate portals and visualization.

NOTE: The manifest should get converted /annotated and pushed to both the new and old UNIS. The active services will use the XML representation stored in the old UNIS. The new MS/BLiPP passive side will use the new UNIS RESTful-JSON representation. Periscope could use both while we migrate legacy scripts to use JSON only.