Business Unit Testing Participation

Introduction:
This is a snapshot of the TRIRIGA testing phases being completed by the University of Minnesota. It can be shared with those being asked to participate in testing, managers that want to share information with their teams and employees who are excited to learn more about EAM.

There are three distinct testing types. Each of them has their own purpose and builds on the previous phase. Testing the end-to-end processes in TRIRIGA help us discover and fix defects (errors) earlier, reducing possible problems at Go Live.

When:

- Cross-functional Review: **May 13 - June 7, 2019**
- System Integration Testing (SIT): **June 24 - August 16, 2019**
- SIT Clean-up and UAT Preparation: **August - November 2019**

*Note: Dates may be subject to change

What It Is:

**Cross-functional Review**
The first step is to look at all of the functionality that has been built by module, and see how it interacts across multiple functional areas.

Cross-functional Review will demonstrate the integrated, end-to-end, process through all the modules of TRIRIGA to verify they flow through the system as intended and without defects. Testing this relies heavily on a "Story Narrative" and Process Test Scripts. This will be completed by EAM workstream leads, BAs and core project team members.

**System Integration Testing (SIT)**
The second step is to look at the systems that will either feed data into TRIRIGA or use data from TRIRIGA. Seeing this “connection” point between systems makes sure that the systems will be able to work together effectively and that data populates the system as expected.

SIT will test all functionality of and interfaces with TRIRIGA for all workstreams. It also includes review of all user personas, process scenarios, and possible conditions. SIT relies on a wide array of pre-loaded and manual data. The goal is to test how TRIRIGA interacts and integrates with other systems that will be linked to TRIRIGA.

UMN will use all Testing Documents and “story narratives" to test numerous parallel processes and tasks throughout TRIRIGA. This testing phase also includes EAM core team members and
subject matter experts (SMEs).

**User Acceptance Testing (UAT)**
The third testing step is perhaps the most exciting and telling. UAT focuses on actual future users of TRIRIGA to make sure the system can handle all required tasks in real-world scenarios.

By having a new perspective and testing specific roles in the system, we can identify common mistakes, system errors, training opportunities and understand the usability of the system. UAT acts as a final verification of the required business functionality, and proper functioning of the system, emulating real-world UMN conditions & situations.

Select end-users and subject matter experts (SMEs) will be invited to walk through testing scripts and various functions in the new TRIRIGA system.

**Who is Involved:**
Testing includes workstream leads, Business Analysts (BAs) and project team members already working on the EAM project. During testing, we begin to invite more participants such as Subject Matter Experts, and selected future end-users. This way, we get a better understanding of the TRIRIGA system and how it will work in production.

Not only does having people testing catch defects, but it also supports employee readiness and increases knowledge of TRIRIGA within each business area.

**Subject Matter Expert (SME)**
A SME is someone who is very familiar with the business process that is being tested. A person in this category is someone who knows a lot about the current process and has a good idea of what the process will look like in TRIRIGA. These individuals will be a resource for other users in their area and will likely receive early and additional training. SMEs are likely to provide support during and post go-live--helping other users adjust to the new TRIRIGA system.

**Trainer**
TRIRIGA users who are highly familiar with the new business processes and are eager and willing to help others learn. This list will likely have a lot of overlap with the SME list, but specifically refers to those that are selected to conduct and support training delivery.

**Time Commitment Expectations:**
The percent allocated to testing is going to vary by workstream. Resources should plan on spending 50-80% of their work week testing during these periods of time.**

**EAM project team members already 100% allocated will remain 100% throughout the duration of the project.**