Information Technology Product Roadmap – Enhancement Process

- This process assumes that a software enhancement does not require any Tariff amendments or FERC fillings
- An Application Enhancement Request will be formally created based on a Phase 3: Data Release & Accessibility data request granting that following have provided review, acknowledgement & approval: CAISO Policy, CAISO Legal, & stakeholders.
- Creation of the enhancement signifies acceptance of this data request by the Application IT and Business Owners

1. Create Application Enhancement Request
   - Definition of the system level requirements and impact assessment will be conducted
   - Definition of the system design solution will be performed
   - Estimation of the length of time to develop and test system changes will be calculated

2. Determine SDLC Level-of-Effort
   - Assessment of the feasible Release Cycle based on level-of-effort determined on the enhancement or set of enhancements:
     - Monthly Release: Do not require market participants to change their systems
     - Quarterly Release: Requires market participants to change their systems
     - Project: Either a minor or major change that is deemed feasible to be deployed with a project

3. Determine Software Release Schedule (Monthly/Quarterly/Project)
   - Communication will be via: SIUG, Market Notices, MAP meetings, etc.
   - In addition to notification of the Software Release Schedule, the following will also be provided to market participants, if any applicable:
     - Technical artifact changes and API specifications
     - Application access requirements (AARF)

4. Communicate Software Release Schedule to MPs
   - A minimum of one week of external testing period will be provided to give an opportunity to market participants to validate the system changes
   - If the enhancement is under a Project, system changes will be tested within the market simulation period as applicable

5. Conduct Release External Testing (Pre-Production Environment)
   - The software changes will be deployed into production, once internal and external testing has provided approval to proceed
   - Deployment into production will be communicated and be conducted within the application maintenance window as appropriate

6. Deploy Release into Production

7. Close Application Enhancement Request
   - Upon production deployment, the application enhancement request can be marked as completed