AASHTOWare Project Task Force: Townhall

January 24, 2022

Today's Session

Session Kickoff

- Task Force Introductions
- AASHTO Staff Updates
- Estimation Summit

General Updates

- Catalog/License updates
- Support Changes

Joint Funding

- 2021 PUG Ballot Results
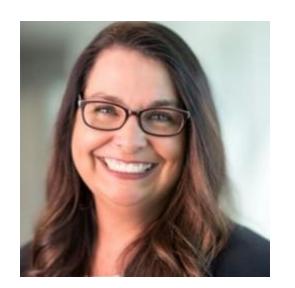
Hybrid Agile Development

- What?
- Why?
- When?

Q&A

- Task Force Answers Your Questions

Task Force Members

Janet Treadway
Ohio
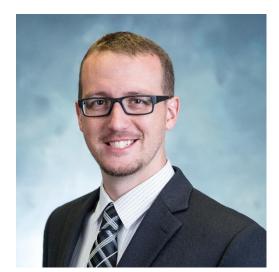Chair

Lanny Campbell
Kansas
Vice-Chair

Jamey Wilhite
Arkansas

Doug Harz
Connecticut

John Thomas
Oklahoma

Ty Carlson
Nebraska

Lisa Durbin
Montana

Charles Groshens
Minnesota

Susan Downing-Reed
Virginia

AASHTO Staff Updates

- AASHTOWare Director Change
  - Jan Edwards retired from AASHTO on January 3rd
    - 32 years with AASHTO
    - Oversaw the evolution and growth of AASHTOWare
  - Keith Platte promoted to AASHTOWare Director
    - Came to AASHTO from Michigan DOT in 2006
    - Focus on strategic and long range planning for all of AASHTOWare
    - Signification reduction in AASHTOWare Project involvement

- Pending AASHTOWare Positions
  - Project Manager
  - Marketing support
    - Chui McConnell left in November 2021

Estimation Summit

- In-person summit postponed
  - Was scheduled for week of February 15th
  - Agency discussions will be held virtually
  - Will consider in-person summit in the future

General Updates

- Catalog/License updates for FY23
  - 5% license fee increases in FY23 (July 2022)
    - No increase in FY22
  - ForneyVault® Software Offering
    - Machine-integrated, cloud-based construction materials testing platform
    - Working on production ready Interface with AASHTOWare Project
      - Sample and testing data exchange between the two systems
  - No cost Estimation license with paid Estimator license
    - Intended to help agencies implement Estimation
    - Maximum 2 year overlap
  - EUD Notice scheduled for February with more detail
- Support Changes
  - Customer Support hours extended as of January 18th
    - Support through 5pm Pacific / 4pm Alaskan
  - Clarification of support covered with license fees
    - Provide examples of what is covered
    - Supplemental Support from Infotech
    - EUD Notice will provide more information

2021 PUG Ballot Results

- The results are in…
  - Thank you: We appreciate each agency's participation in this effort
  - Next Steps: Let's talk enhancements
    - Review the results, especially the top 3 of each category
    - Collaborate with other agencies to talk about the possibilities of joint funding
    - Engage with your Infotech Account Manager to initiate the process
    - Get the PTF involved – Joint funding opportunities are available!
- Where to find the results?
  - AASHTOWare Project Online (live walkthrough)
    - Community > Project Users Group (PUG) > PUG Ballot > PUG Ballot Reports
  - Needs assistance? We can email out the top 3 results for each category

Joint Funding

- Why it's important?
  - Growth: Our product is growing along with varying needs of each agency
  - Enhancement: Working together produces a higher number of enhancements to the software

- What TMRs to fund?
  - Top 3: The top 3 TMRs across the 12 categories of the 2021 PUG Ballot
  - PTF Focus: The top 3 TMRs in each category help us understand where there is the most interest and need from the agencies

- When should we act?
  - Now is the time: The PTF wants to work with agencies now to jointly fund the top 3 TMRs from the 2021 PUG Ballot

Project Development Today

- ## Web-Based AASHTOWare Project
  - Waterfall
  - Linear phases, build on deliverables from previous phase
    - Requirements > Design > Development > Alpha > Beta > Release
- ## SaaS AASHTOWare Project Data Analytics
  - Agile Approach
  - Small features developed and released every 2 weeks
  - TRT tests new features in a production ready environment
  - Feedback incorporated immediately
- ## We have learned a lot about Agile Development
  - Interest in Agile development for web-based AASHTOWare Project

Familiar with Agile?

- How familiar are you with Agile Development?
  - Agile Product Ownership in a Nutshell YouTube Video
    - https://www.youtube.com/watch?v=502ILHjX9EE

- Hybrid Agile
  - Variation on Agile
  - Need to Account for variation in AASHTO / Joint Development
  - Hybrid Agile AASHTO Standard Available
    - https://www.aashtoware.org/wp-content/uploads/2021/11/SG_Notebook_11012021.pdf

- Benefits
  - Reduced time and cost of development
  - Prioritized features delivered faster
  - Improved quality of software
  - Improve AASHTOWare's competitive position

What is Hybrid Agile?

- Agile Software Development
  - **Working software** over comprehensive document
  - **Responding to change** over following a plan
  - **Customer collaboration** over contract negotiation
  - **Individuals and interactions** over processes and tools
  - Working software is primary measure of progress
- Approach
  - 2 week Sprints
  - Production ready features software delivered rapidly
  - Continuous testing by users
  - Feedback loop
  - Focus on Minimum Viable Product (MVP)

Agile Changes Everything!

- Impacts of moving to Hybrid Agile
  - Development process changes
  - TRT/FPG process and makeup changes
    - New "Hybrid Agile Team" approach
  - **Suggestion:** PUG Ballot alignment with Agile
    - Benefit in dynamic and evolving priority
  - Release Testing changes
    - Focus on continuous user and automated testing

Not If But When

- The PTF plans to implement Hybrid Agile
  - "Agile" Agile Approach
    - Process will change based on lessons learned

- Target Hybrid Agile for 4.9/4.10 releases
  - Continue with 6-month production release cadence

- What's next
  - Finalize processes
  - Develop training materials
  - Communicate plan
  - Train Business Stakeholders
  - Initiate Hybrid Agile Development
  - Update process based on lessons learned

Q&A

Connect with us!

LINKEDIN

Provides AASHTOWare updates!

AASHTOWAREPROJECT.ORG

All AASHTOWare Project resources!

USER GROUP MEETINGS

Share your feedback with the PTF and connect with your users!

EMAIL THE PTF

Drop us an email anytime at PTF@aashtoware.org