

Kanban

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Topics to Cover:



What is Kanban?
 Why use Kanban?
 Area of focus for the VADOC
 Process Improvements
 Initial
 Retrospectives



What is Kanban? かんばん(看板)

Basic Principles



 Start with existing process
 Agree to pursue incremental, evolutionary change
 Respect the current process, roles, responsibilities and titles
 Leadership at all levels

1. Visualize the work



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2. Limit Work in Progress (WIP)





3. Manage the Flow - Don't Push too hard, pull



4. Use, monitor, adapt and improve



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Report Delivery Problems:



Problems include:

- Users frustrated that reports were taking too long (45+ days)
- Some users frustrated that their reports were not prioritized
- Analysts frustrated at the lack of a defined process
- •Developers are unsure what priority is
- •Developers indicate no one tests their reports
- •Team is frustrated that reports are built, but no one is using them
- Managers say we are understaffed

Report Building Process Improvement

Statistics

- We receive approximately 24 report request per month
- 288 on average per year
- Average time to implement report prior to Kanban was 45 days

Improvements

 Stand ups and Visible board increase visibility for technicians, managers and business stakeholders

Report Building Process Improvement

Improvements

- We have reduced the amount of expedited reports
- Business users are now negotiating among themselves on prioritization instead of IT making the decision
- Customer Satisfaction has increased
- Report turn around time is 23 days compared to 45 days



Backlog

•Input Queue •Analysis

Columns on Kanban Board

Picture of DOC Kanban Board

Need

BSA – Need

- The ticket is assigned by the BSA Manager to an available BSA
- The BSA pulling the ticket has capacity to work on a new project
- The ticket Assigned To has been set to the BSA pulling the ticket and Status has been set to 'In Progress'
- The BSA's initials are placed on the ticket along with the date pulled from <u>BSA Need</u>

Analysis – 2

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BSA – Analysis

- The BSA has completed analysis of the ticket request
- The BSA has written up the specifications and the specs have been approved by the business owner
- The specifications and any other related information have been attached to the ticket





Retrospectives:



• We now have a very defined process that works really well. We went from a bi-weekly retrospective to meeting once a quarter.

• We utilized a "Lean Coffee" technique in retrospectives



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- Move from white board & stickies to Azure DevOps
- Defined process outlined in DevOps Wiki for business partners, dev team, etc.
- Business partners trained on how to add stories to the board
- Weekly standup to report movement/impediments on board
- Retrospectives now held quarterly to improve process
- Business partners = Happy partners!

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Azure DevOps VITA-DOC / Custom Reports / Overview / Summary Q Search 5≣ 🖞 2 8 ST **Custom Reports** 🕆 Private ☆ **Custom Reports** R Overview 🗇 Summary Dashboards About this project Project stats Period: Last 7 days 🗸 ♡ Like 0 🗋 Wiki Custom reports developed by the Data Management Team, primarily for Virginia CORIS and HR Boards Boards lo 42 26 Work items completed ٦ Work items created 💡 Repos Repos Pipelines **0** Pull requests opened ♦ 21 Commits and Changesets ş 👗 Test Plans by 5 authors Artifacts Pipelines 100% 0% Builds succeeded Deployments succeeded Members 74



Azure DevOps VITA-DOC / Custom Reports / Overview / Wiki / Welcome						
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🖯 Summary	🛱 Welcome	Table of Contents				
Dashboards	✓	• <u>Kanban Board</u>				
🗐 Wiki	Best Practice Guidelines	<u>Report Development Process</u> <u>Report Project Configuration Standard</u>				
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Kanban Process

Davidson, Cindy (VADOC) Jun 28

The DOC implemented the Kanban Board in 2010. At that time, the board was a physical board in the hallway with Sticky Notes. We held standups twice a week and reviewed progress. Due to the Pandemic of 2020, the board was recreated in Google Drive and standups were held once a week via Google Meet. In 2022, we are moving this to the DevOps Platform.

CORIS Business Owner: Virginia Coris - Sheila Crenshaw Project Mangers: Kimberly Burrell, Chris Thomas Data Management Team: Cindy Davidson

HR Business Owner: Trina Holt

Data Management Team: Cindy Davidson

Report Specifications: The new or updated Report Specs will be added to the Task in the Input Queue. Once there the Developer is responsible for all updates as they work with the stakeholders. Once the report is sent to be deployed to Production, the updated Report Spec is stored in the shared folder.

CORIS

Folder: \\atmgroups\fs1\$\Headquarters\CTSU\CORIS\Custom Reports Subfolder: one for each report category Forms: Report Specification Template for both CORIS and HR

HR Teams Project:

Priority Hierarchy: Tag Colors There can be multiple tags on a Story. A tag can be created that does not have a color and will appear in Gray.



Priority: 1-4 (High, Medium, Low, Lowest)

Process Flow:

- · CORIS Project Managers will keep track of their work in Coris Ticket.
- · HR will create a Story in Devops.
- The Data Team will only use DevOps.

Process Flow Diagram C

	Team	System	Board Column	Description
	CORIS Manager	Email or Ticket		Requests for reports and adhoc are sent to the Virginia Coris Team and entered on a Coris Ticket for approval
	Project Manager	Ticket / DevOps	Staging	PM will create a Coris Bug Tracker Ticket and assign to Coris Manager. Once approved, they will create a new Story in the Staging column in DevOps
	Project Manager	DevOps	Input Queue	Project Managers will review the staging tickets and move the Stories into the Input Queue as per the WIP limits. The Report Specs will be attached to this Task.



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Conclusions:



- Easy to implement (KISS Principal)
- Low Cost to implement
- Increase visibility and communications
- Increase business participation
- Defines a process and encourages continuous improvement
- Clearly shows where barriers/blocks have occurred