



## *Our Vision*

*Children thrive in family environments free from abuse and neglect.*

## *Our Mission*

*Successfully engage children and families to ensure safety, strengthen families, and achieve permanency.*

## GUARDIAN

(CHILDS Replacement Program)

State of Arizona – Department of Child Safety

July 15, 2020

Status Through: Jul 03, 2020

# Agenda



- V1.0
  - Summary
  - Program Heatmap
  - Program Status by Team
- V1.1
  - Current Dashboard
  - Program Iteration Snapshot
- Current Development Estimate at Complete by Fiscal Year
- Program Risks, Issues, Decisions, Action Items
- Appendix



# Work Stream Summary



## Overall Status:

- Data Migration issues moving data through the pipeline for report creation
- E2E testing reach 99% test execution with 6 test cases pending
- Performance testing of fixed bugs with 2 critical bugs remaining
- Due to Program issue, Go-Live Delayed (full impact in review)

## Work Stream Summary Health

Overall	Schedule	Scope

Work Stream	Overall Health	Work Stream Status	Key Risks & Issues
Workstream 1 – Intake & Assessment		I18 18 requirements planned...17 completed Config/Dev Ready (stage 50) or greater	
Workstream 3 – Case Management / Eligibility and Permanency		I18 33 requirements planned...11 completed Config/Dev Ready (stage 50) and 21 at Config/Dev Complete (stage 51) or greater	Novitex interface efforts ( <a href="#">74666</a> & <a href="#">80309</a> )
Workstream 4 – Financials & Providers		I18 5 requirements planned...1 completed Config/Dev Complete (stage 51) or greater	Novitex interface efforts ( <a href="#">74666</a> & <a href="#">80309</a> ) I18 - 1 requirements at < stage 50
Workstream 5 – Data		Data migration found significant number of Source-to-ODS bugs CRCU report mapping data per component	Report Velocity Slower than Planned ( <a href="#">74660</a> )
Solution Architecture		ALM Deployment testing & automation, Cutover, SQL PaaS, and SAG items	SQL PaaS, ALM Deployment testing & Automation
Testing & Support		E2E nearing completion End-user in-person training completed week 4	

# Guardian Heatmap



Area		Key Activities								
SU Training (Mar 23)	Curriculum ready	Facilitors ready	SU data created	Logistics ready	Guardian Program Support Ready	SU training	SU Practice and additional training			Complete
E2E Testing	E2E test case created	E2E data created	E2E environment ready	E2E testing	Bug fixes (S1)					On track
UAT Testing (May 11)	UAT scenarios identified	UAT data created	SU trained	Location Logistics ready	UAT communications / invites to SU	Guardian Program Support Ready	UAT environment ready	UAT testing and feedback review	Bug fixes (S1)	At risk
Data Movement (Source - ODS - CE - ODS - DW)	Data Migration Test Run 1	Data Migration Test Run 2	Data Migration Test Run 3	Data Migration Test Run 4	Business Validation Week 1	Business Validation Week 2	Business Validation Week 3	Business Validation Week 4	Reports	Delayed
Performance Testing	Performance scenarios identified	Scripts written	Environment ready	Data loaded	Load testing	Bug fixes (S1)	Review and reporting			Not started
Security Testing	Scope confirmed	Environment ready	MS Infosec testing	Bug fixes (S1)	Review reporting	3rd-party identified & contracted	External 3rd-party testing	Bug fixes (S1)	Security sign-off	
End-User Training (June 8)	Location Logistics ready	Facilitors ready	Curriculum ready	Sessions scheduled & registrations sent	Guardian Program Support Ready	Field user training	Support user training	e-Learning ready	Transition to L&D	
Go-live Preparation	Business Cutover planning	Business Continuity planning	Solution Release Process ready	Deployment checklist	Dry-run 1	Dry-run 2	BCP walkthrough	Go/No-Go checklist		
Production Deployment	Go-live Preparation complete	Environment ready	Go/No-Go decision	Production deployment	Cutover	Go-live Communications	Decommission old systems			
Day 2	Planning	Governance	Service Desk	Monitoring	Infrastructure	Configuration Management	Security & Identity	Data and Reporting	Auditing	



## Work Stream Health



### Blockers & Issues:

- N/A

### Decisions:

- N/A

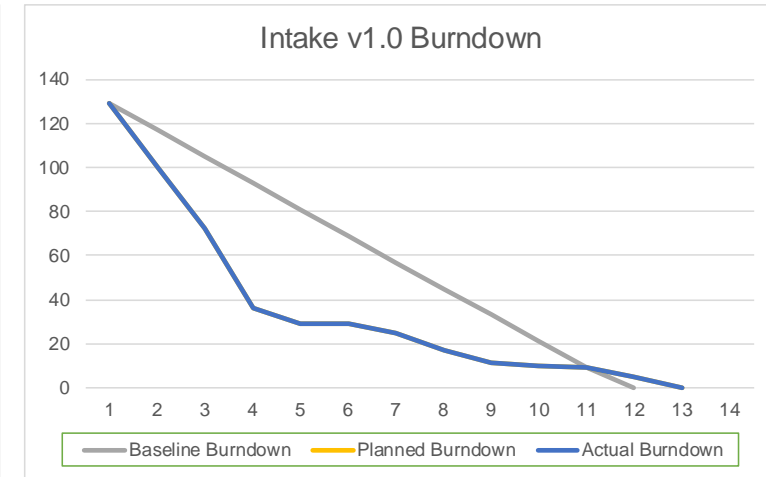
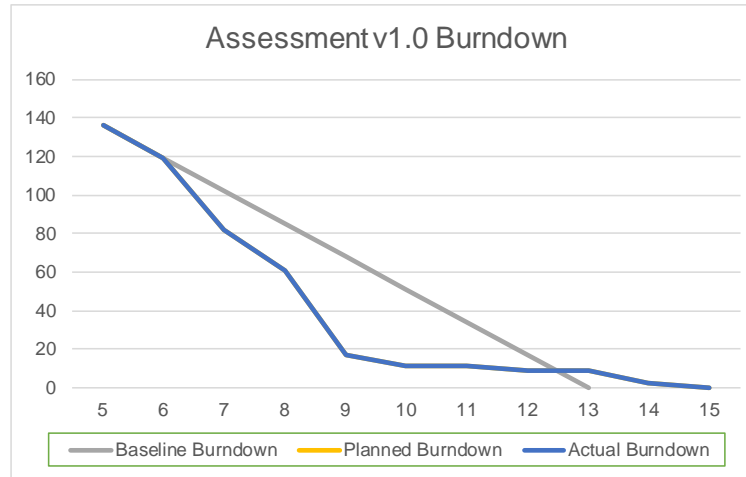
### Updates:

- Supporting remain demos for V1.0
- Of the requirements:
  - 2 are in Solution Modeling
  - 4 are Demo complete

## Total V1.0 Requirements:

Category	In Sol'n Modeling	SM+D Complete	In Build	In Test	v1.0 Total Req'ts
v1.0 Assessment Business Requirements Team 1 <a href="#">Assessment Dashboard</a>	1 Work items	0 Work items	4 Work items	150 Work items	155 Work items
v1.0 Intake Business Requirements Team 1 <a href="#">Intake-Hotline Dashboard</a>	1 Work items	0 Work items	0 Work items	147 Work items	148 Work items

## V1.0 Component Burndown:



# Eligibility and Permanency V1.0



## Work Stream Health



### Blockers & Issues:

- N/A

### Decisions:

- N/A

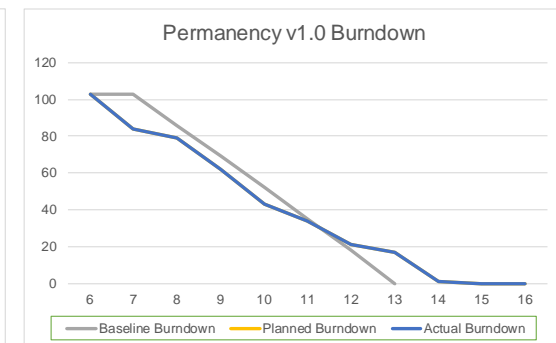
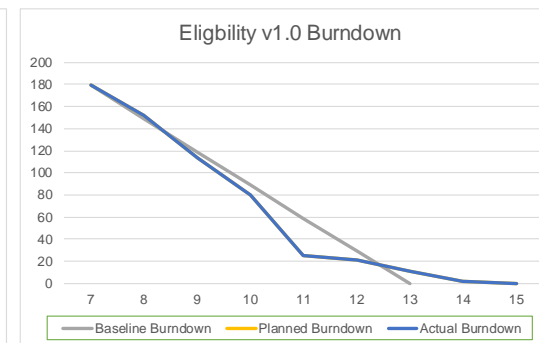
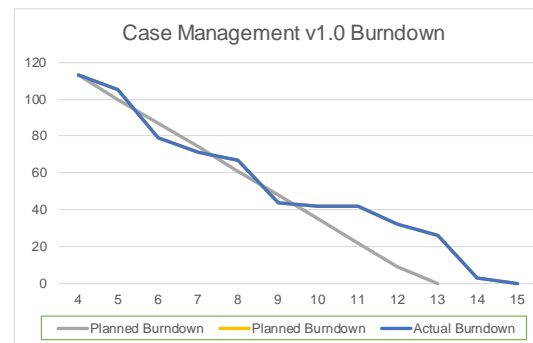
### Updates:

- Supporting bug fixes
- Providing UAT support
- Of the requirements:
  - 3 are in Solution Modeling
  - 1 is Solution modeled and ready to develop
  - 1 is in Demo rework
  - 2 are development complete
  - 4 are Demo Ready
  - 19 are Demo Completed
  - 22 are Demo Accepted

## Total V1.0 Requirements:

Category	In Sol'n Modeling	SM+D Complete	In Build	In Test	v1.0 Total Req'ts
<b>v1.0 Case Management</b> Business Requirements Team 2 <a href="#">Case Management Dashboard</a>	2 Work items	1 Work items	15 Work items	86 Work items	104 Work items
<b>v1.0 Eligibility</b> Business Requirement Team 3 <a href="#">Eligibility Dashboard</a>	0 Work items	0 Work items	16 Work items	162 Work items	178 Work items
<b>v1.0 Permanency</b> Business Requirements Team 3 <a href="#">Permanency Dashboard</a>	1 Work items	0 Work items	17 Work items	86 Work items	104 Work items

## V1.0 Component Burndown:



# Financials & Providers V1.0



## Work Stream Health



### Blockers & Issues:

- Delay in Novitex interface efforts ([Issue 74666](#))

### Decisions:

- N/A

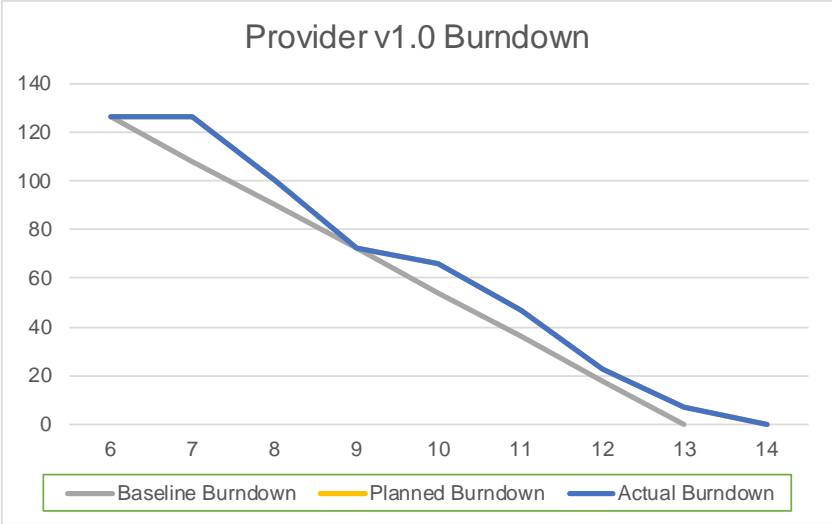
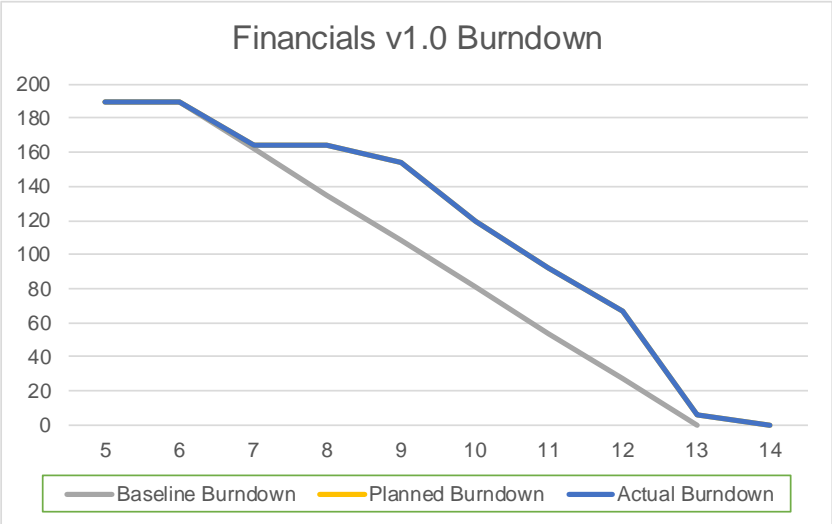
### Team Updates:

- Working V1.0 bugs
- Supported UAT
- Completed AFIS outbound interface (some adjustments to EFT)
- Of the requirements:
  - 1 is in Solution Modeling
  - 1 is in Demo rework
  - 24 are Demo complete
  - 192 are Demo Accepted

## Total V1.0 Requirements:

Component	In Sol'n Modeling	SM+D Complete	In Build	In Test	v1.0 Total Req'ts
v1.0 Financials Business Requirements Team 4 <a href="#">Financials Dashboard</a>	1 Work items	0 Work items	143 Work items	46 Work items	190 Work items
v1.0 Provider Management Business Requirements Team 4 <a href="#">Provider Management Dashboard</a>	0 Work items	0 Work items	74 Work items	52 Work items	126 Work items

## V1.0 Component Burndown:





## Work Stream Health



### Blockers & Issues:

- With current model, ODS updates impact downstream systems (83613)
- Test data availability blocking DM / DWH validation (83614)
- Novitex interface will be delayed as Provider estimated 45-90 days of Dev (80309)

DES – AZCCATS side of development is delayed.

CMDP side of dev is still in progress.

AFIS - Vendor updates interface is pending from agency side.

### Decisions:

- (84481) Some Integrations not in scope for UAT

## Team Updates:

### Interfaces

- Novitex development continues progress
- SSA Development is complete and testing with mock data complete
- AFIS testing is in progress. Interface updates being made based on feedback

## Data Migration

- Working through Business validation bug fixes

## Reports

- Reports Design Continues
- Challenges continue with velocity of reports
- 45 reports ready for development





## Work Stream Health



### Blockers & Issues:

- N/A

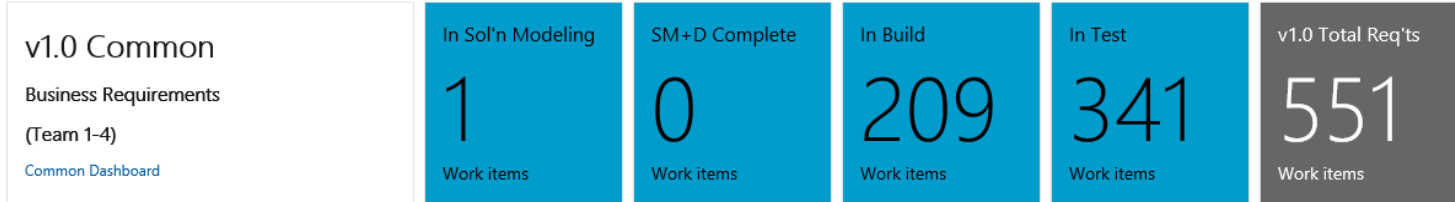
### Decisions:

- N/A

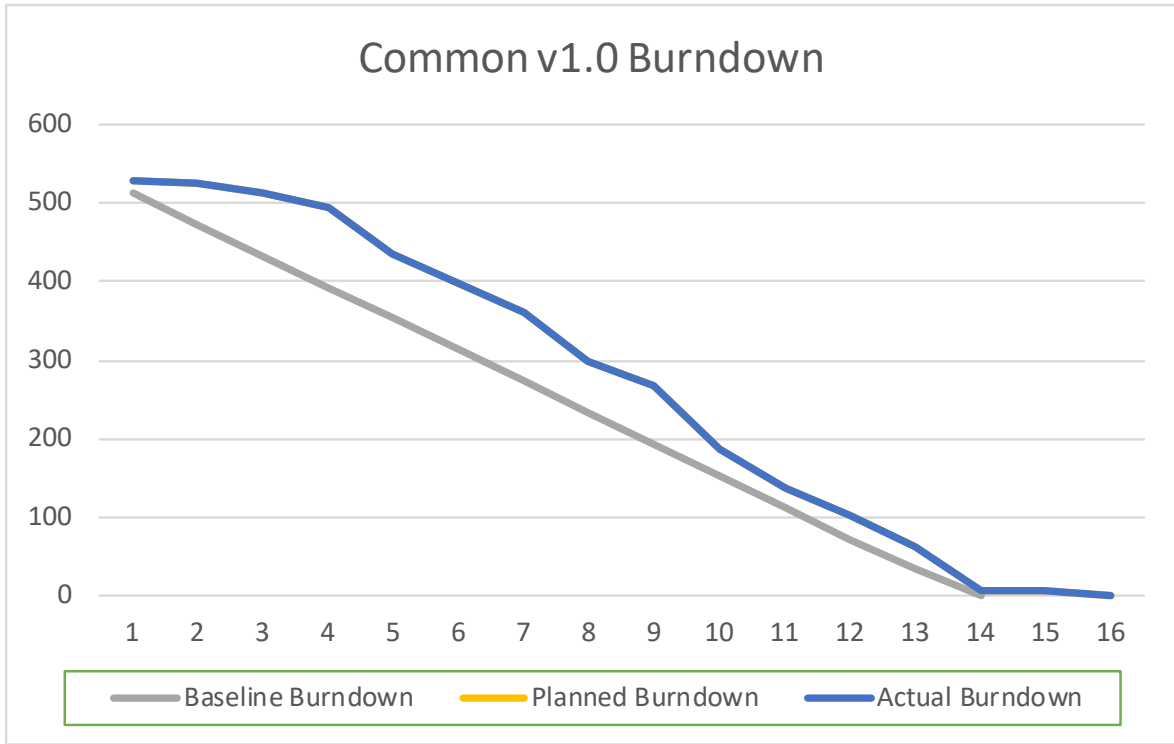
### Updates:

- 1 requirement is in solution modeling
- Of the 209 "In Build"
  - 4 are Demo Ready
  - 58 are Demo Complete
  - 147 are Demo Accepted

## Total V1.0 Requirements:



## V1.0 Component Burndown:



# Testing



## Team Health

### Blockers & Issues:











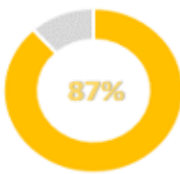
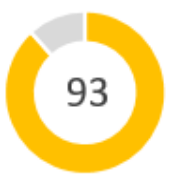

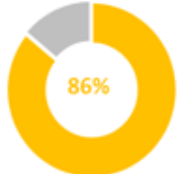


- (Risk) 96061 DCS QA team is not able to complete E2E P2-4 in time due to extra effort spent on creating UAT Test Data
- (Issue) 80166 Business Process Testing is delayed – Planning to complete remaining BP testing after UAT ends

### Decisions:

- 84481 Integrations not in scope for UAT
- 74809 ARB Item 31877 Guardian Browser Support

### Updates:

- UAT Completed
- Data Migration/Replication/Warehouse testing continues
- Performance Testing Continues

Test Types	Functional (Till I17)	Process (Till I14)	End To End	UAT	Data	Performance	Security	SAG	Overall
Status									
%Complete							NA	NA	
Open S1	0	0	3	0	60	0	0	0	63
Open S2	4	0	8	1	175	2	1	0	191
Open S3	17	11	21	2	91	0	1	12	155
Open S4	4	0	1	0	6	0	0	1	9



## Team Health



### Blockers & Issues:

- N/A

### Decisions:

- N/A

### Team Updates:

- Analyze questions, continue to identify and prepare for distribution of FAQs
- Coordinated content update to Guardian Intranet
- Submitted Change Network Deck July #1 for review
- Submitted Business Review Deck for review
- Provider UAT communications
- Submitted UAT General Thank you email for review
- Submitted UAT Individual Feedback template for review
- Managed Provider emails through the Guardian Mailbox
- Hosted Provider All hands webcast
- Hosted Provider Q&A Session
- Supported UAT Communications
- Supported Training communications
- Conduct Change Network Walkthrough
- Conduct Change Network Meeting



## Team Health



### Blockers & Issues:

- Risk 83232 – No solution for permanent L&D training environments in Guardian
- Issue 8116 – Updated for end user training; need sandbox for practice.

### Decisions:

- N/A

### Team Updates:

- Support Curriculum completed and distributed
- End user training continues

# Total Program Dashboard V1.1



## Requirements Update:

- Some V1.1 resources are being dedicated to V1.0
- V1.1 requirements identified and are being iteration planned
- 121 Business requirements are in Solution Modeling
- 22 Business requirements in are development ready
- Of the 113 Business requirements in Build
  - 12 are development Complete
  - 97 are Demo Ready
  - 4 are Demo Complete
  - 10 are Demo Accepted

v1.1 Total Program Requirements (Not including Backlog)	In Sol'n Modeling <b>165</b> Work items	SM+D Complete <b>22</b> Work items	In Build <b>116</b> Work items	In Test <b>0</b> Work items	v1.1 Total Req'ts <b>303</b> Work items
v1.1 "Business" Req'ts	In Sol'n Modeling <b>121</b> Work items	SM+D Complete <b>22</b> Work items	In Build <b>113</b> Work items	In Test <b>0</b> Work items	v1.1 TTL Biz Req'ts <b>254</b> Work items
v1.1 "Technical" Req'ts	In Sol'n Modeling <b>43</b> Work items	SM+D Complete <b>0</b> Work items	In Build <b>3</b> Work items	In Test <b>0</b> Work items	v1.1 TTL Tech Re... <b>47</b> Work items

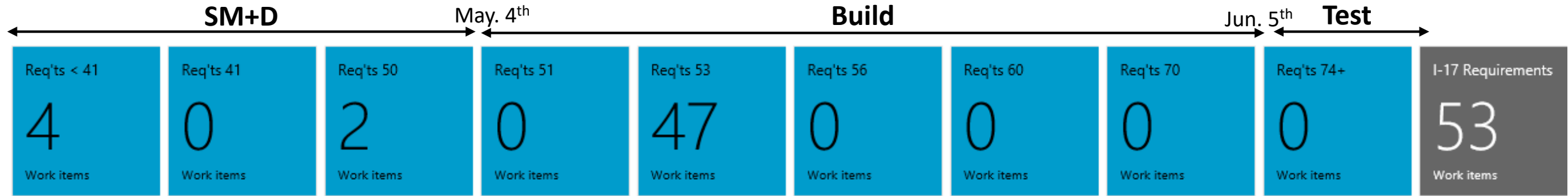
Data as of 7/08

# Current Program Snapshot V1.1

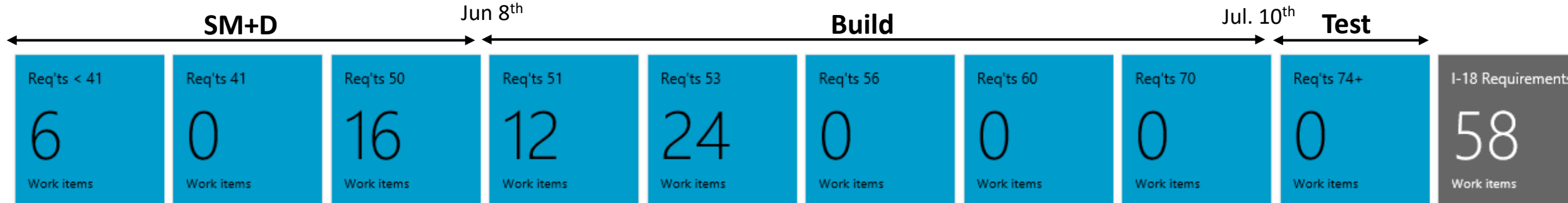


Data as of 7/08

## Iteration 17



## Iteration 18



- For Iteration 17
  - 6 requirements are in solution modeling and will be addressed
  - 3 are in development
  - 46 are development complete and need to be demoed
- For Iteration 18
  - 2 Requirements left to Solution Model
  - 52 Requirements are in development

### Stage Definitions:

- 10 - Validation Pending
- 20 - Consultant Review in Process
- 30 - Architectural Review in Process
- 40 - Business Review in Process
- 50 - Config-Dev Ready
- 51 - Config-Dev Complete
- 53 - Demo Ready
- 56 - Demo Rework
- 60 - Demo Complete
- 70 - Demo Accepted
- 74 - Process Testing in Process
- 77 - End to End Testing in Process
- 80 - UAT in Process-
- 90 - UAT Complete
- 99 - In Production

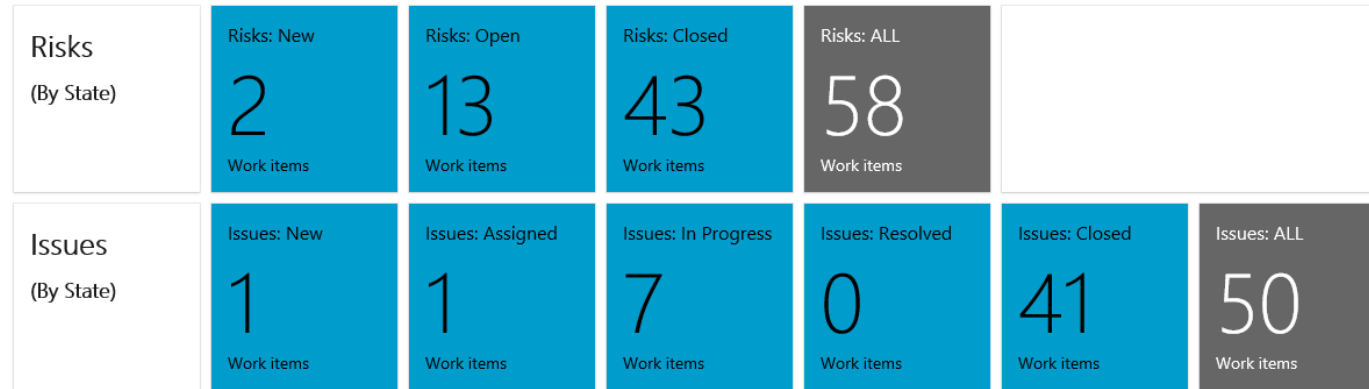
# Current Development Estimate at Complete by Fiscal Year



	SFY15	SFY16	SFY17 (Actuals)	SFY18 (Actuals)	SFY19 (Actuals)	SFY20 (Act + Fcst)	SFY21 (Forecast)	EAC (Estimate at Complete)
Planning and Procurement Cycles	\$ 236,627	\$ 314,593	\$ 599,942	\$ -	\$ -	\$ -	\$ -	\$ 1,151,163
Feasibility Study		\$ 616,998	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 616,998
Data Management Assessment			\$ 625,307	\$ -	\$ -	\$ -	\$ -	\$ 625,307
Program Management			\$ 1,185,035	\$ 2,799,270	\$ 876,741	\$ 686,130	\$ 453,340	\$ 6,000,515
Business Integration			\$ 1,070,367	\$ 2,450,314	\$ 1,948,942	\$ 3,933,301	\$ 1,087,081	\$ 10,490,005
Mobile Solution			\$ 1,434,041	\$ 1,611,003	\$ -	\$ -	\$ 312,000	\$ 3,357,044
IV&V			\$ 107,460	\$ 187,200	\$ 195,400	\$ 220,000	\$ 180,000	\$ 890,060
Quality Management			\$ 26,078	\$ 1,419,651	\$ 247,205	\$ 731,789	\$ 548,956	\$ 2,973,680
Platform			\$ 2,147,482	\$ 1,218,300	\$ 4,158	\$ 677,029	\$ 132,605	\$ 4,179,574
Hosting			\$ 7,973	\$ 1,200,145	\$ -	\$ -	\$ -	\$ 1,208,119
Enterprise Content Management			\$ -	\$ 187,983	\$ 489,446	\$ 1,905,286	\$ 1,667,957	\$ 4,250,673
Integrated Shared Services			\$ -	\$ -	\$ 82,347	\$ 543,040	\$ 638,056	\$ 1,263,442
Data Management			\$ -	\$ -	\$ 571,928	\$ 2,668,995	\$ 2,004,064	\$ 5,244,987
Technical Integration			\$ 6,035	\$ 2,382,391	\$12,887,429	\$14,677,286	\$11,701,004	\$ 41,654,146
Training			\$ -	\$ -	\$ 244,610	\$ 758,887	\$ 930,000	\$ 1,933,496
Service Management Office			\$ -	\$ -	\$ 221,214	\$ 27,652	\$ -	\$ 248,866
CHILDS Decommissioning			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total</b>	<b>\$ 236,627</b>	<b>\$ 931,591</b>	<b>\$ 7,209,721</b>	<b>\$13,456,258</b>	<b>\$17,769,420</b>	<b>\$26,829,394</b>	<b>\$19,655,065</b>	<b>\$ 86,088,076</b>
<b>Program Approved Budget</b>								<b>\$ 86,088,076</b>
<b>(Over)/Under</b>								<b>\$ -</b>

- At month end of June, the program estimate at complete was still within the program approved budget

# Risks and Issues



- The program is currently monitoring 15 open Risks
- The program is actively working on 9 open Issues



# Key Guardian - Issues



ID	PM	Title	Description	Due Date	Severity
<a href="#">74660</a>	Harish Kothapalli	Report Velocity Slower than Planned	Current Report velocity is slower than planned which shows that we will not finish data migration in time for V1.0	08/07/20	1 - Critical
<a href="#">74661</a>	Harish Kothapalli	Data Warehouse architecture delaying report build	The current data warehouse architecture has not been finalized and proven. The program cannot go live with V1.0 until this occurs.	08/07/20	1 - Critical
<a href="#">75912</a>	James Cottam	Blocked: Monitoring Requires Workspace Queries Defined	The Operations team needs the queries defined for each component of Guardian in order to pull event data from the workspace setup in Log Analytics. Without the queries defined, the Ops team cannot determine which events are indicators of a problem within Guardian. If this is not resolved by the due date, Operations will not be able to setup monitoring for the production Guardian application and will have no insight into the service health of Guardian when go-live happens.	07/24/20	2 - High
<a href="#">80166</a>	Syeda Haq	Business Process Testing is delayed due to resource shortage and knowledge gap	Business Process testing was supposed to end before E2E testing started. It is delayed because of the following reasons Training the new QA staff Not enough resource per work streams Knowledge gap due to not attending demo DCS Test Team has started working on E2E Test Case writing on 02/24/2020. Impact/potential impact: All BPs are not tested by the DCS Test Team before UAT Test. Hence potential bug may be released to UAT. Next Step: Analyze BP test coverage by E2E Test scenarios and test untested BPs after UAT.	07/10/20	2 - High
<a href="#">99944</a>	Jason Andress	Document Migration delayed until Case data migration completes	Document migration plan reviewed and requires case entity data migration to complete. Data migration to prod is currently scheduled for 6/22. Doc migration will require approximately 3-4 weeks based on volume levels. This timeline impacts the document migration completion before go-live.	07/16/20	2 - High

Critical and High Issues Only

# Key Guardian - Decisions



Decisions

(By Month)

Jun 2020

16

Work items

ID	Decision Date	Decision Title
<a href="#">97874</a>	06/02/20	SysAdmin security role will be used for End User Training
<a href="#">97884</a>	06/02/20	ARB 97584: Provider Invoice Max Lines – Invoice Creation
<a href="#">98158</a>	06/04/20	SSN Management in ODS
<a href="#">98159</a>	06/04/20	"How to be ready for Training" related communications to be sent through L&D
<a href="#">98488</a>	06/09/20	Unknown Person Issues and approaches
<a href="#">98646</a>	06/10/20	Convert all UAT Defects to "Feedback" for triage under new process
<a href="#">99156</a>	06/10/20	DCS to provide Preprinted Learner Guides in Training
<a href="#">99685</a>	06/16/20	Foster Care OverPayments Data Migration into Guardian from 7/1/2015
<a href="#">99943</a>	06/18/20	New Training Sessions Added w/o 7/27 and Make-up Sessions moved to w/o 8/10
<a href="#">100330</a>	06/19/20	Power BI Role Assignments
<a href="#">100448</a>	06/09/20	CRCU Report (Provider and Financial Management)
<a href="#">100469</a>	06/24/20	New hires after 7/10 will require a service desk request for AD assignment and Guardian access
<a href="#">100642</a>	06/27/20	[Document Migration] Decision on file format of documents migrated from CHILDS
<a href="#">100648</a>	06/26/20	Change to Current and Future In-person Training Schedule
<a href="#">100754</a>	06/29/20	[Data Migration] Balances of less than \$50 by Provider will not be migrated
<a href="#">100756</a>	06/30/20	[Data Migration] Migration of Invoice, Invoice Line, Payment Request & Payment Request line post July 1, 2015

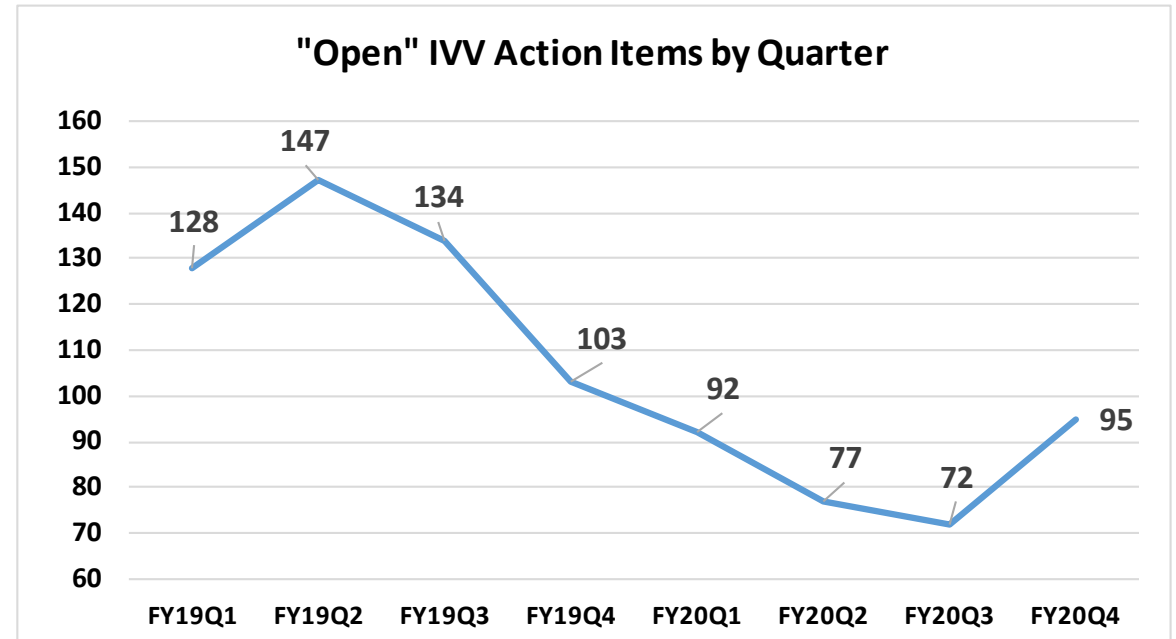
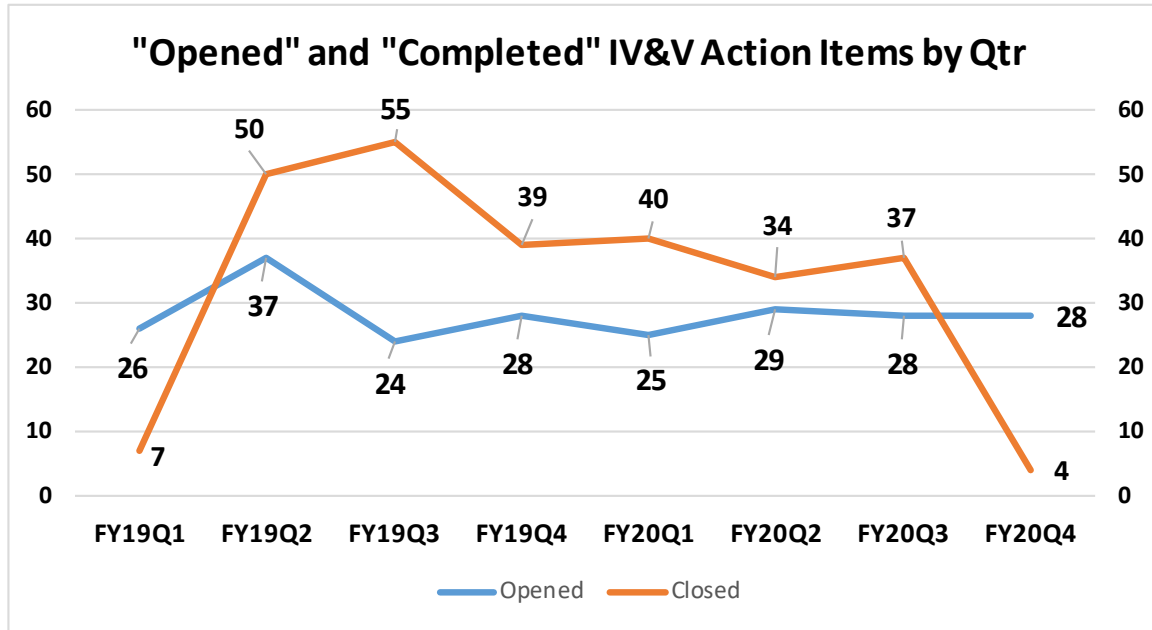
# Action Items



<b>Action Items</b> (By State) (Including IV&V)	AI: New <b>68</b> Work items	AI: Assigned <b>20</b> Work items	AI: In Progress <b>44</b> Work items	AI: IV&V Rev (St... <b>1</b> Work items	AI: On Hold <b>0</b> Work items	AI: Completed <b>121</b> Work items	AI: ALL <b>254</b> Work items
<b>Action Items</b> (By State) (Not Including IV&V)	AI: New <b>9</b> Work items	AI: Assigned <b>19</b> Work items	AI: In Progress <b>10</b> Work items	AI: IV&V Review <b>0</b> Work items	AI: On Hold <b>0</b> Work items	AI: Completed <b>102</b> Work items	AI: ALL <b>140</b> Work items
<b>Action Items</b> (By State) (IV&V)	AI: New <b>59</b> Work items	AI: Assigned <b>1</b> Work items	AI: In Progress <b>34</b> Work items	AI: IV&V Rev (St... <b>1</b> Work items	AI: On Hold <b>0</b> Work items	AI: Completed <b>19</b> Work items	AI: ALL <b>114</b> Work items

- The program is currently monitoring 132 open actions items
  - 38 are standard program action items
  - 94 are open IV&V actions

# IV&V Action Item Trend



- The most recent IV&V completed May 2020 (FY20 Q4)
- The program Closed 4 IV&V actions
- IV&V opened 28



# Q & A Session



# Appendix

# Program History



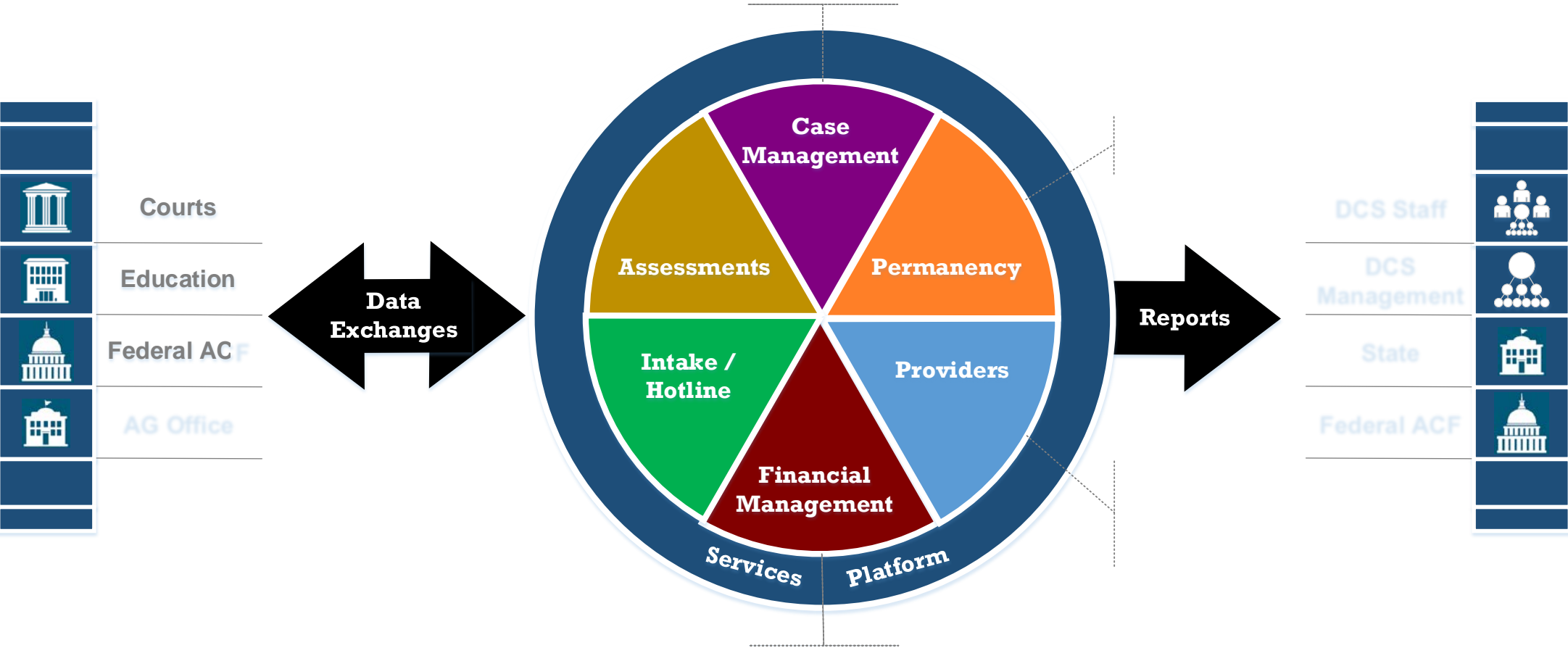
- The current DCS CHILDS application is under Federal Rules and Regulations called SACWIS (Statewide Automated Child Welfare Information System)
- In 2015, new rules and regulations, called CCWIS (Comprehensive Child Welfare Information System), were introduced. DCS is aiming to be compliant with these regulations with Guardian:
- CCWIS benefits over the current DCS SACWIS system include:
  - Accommodates changes in practice & technology
  - Provides flexibility to “right-size” systems
  - Promotes program and system inter-operability
  - Requires data quality processes
  - Reduces costs for development and maintenance
- With a CCWIS compliant system, the federal government provides funds to assist the State of Arizona with development and implementation. It also grants additional funds to help maintain and support Guardian, as long as the system supports social workers' automation needs to organize and record quality case information about the children and families receiving child welfare services in Arizona.



- CHILDS (Children's Information Library and Data Source) was implemented in 1997 as an efficient, effective and economical method to exchange child welfare information between various State and Federal Systems
- The mainframe system has since become large, complex and inefficient with some of the common complaints being:
  - Not user-friendly
  - Limited reporting
  - Lack of a mobile platform
  - Deficient searching and matching functionality
  - Poor data quality: lack of data integrity, known duplications and data errors
  - Lack of collaboration with other agencies and system interfaces
  - Incomplete service and provider management



# Program Future State



# Program Future State



The Guardian Program is a child-centered, user-friendly technological solution which provides quality data and improved processes to support all DCS work for the safety of Arizona Children. Some of the goals include:



**Data Quality:** Increased data collection and quality



**Modular Design:** More flexible and adaptive to allow for future changes



**Cost Reduction:** Easier system development and maintenance



**Follows IT Standard:** Promotes efficient, economical, and effective development



**Increased Collaboration:** Data exchanges with external systems



**Shareable:** Capable of being shared and reused by other states, tribes, and agencies

# Program Key Milestone Dates



## Feasibility Study

Recommended replacement of CHILDS, secured funding

Jan  
2016

## Request for Proposal

RFP sent to System Integration Vendors

Jun  
2017

Mar  
2017

Sep  
2017

## Contract Award

Microsoft

Apr  
2018

## Mobile

Two Deployments

Aug and  
Dec  
2017

## CHILDS Decommissioning

CHILDS decommissioned and Guardian system of record

Dec  
2020

Jun 2018  
– Nov  
2020

## Selected Technology

Microsoft Dynamics Customer Relationship Management (CRM)

## Technology Review

Reviewed vendor proposals and demonstrations

## Business Requirements

Gather Business Requirements and document User Stories for each component

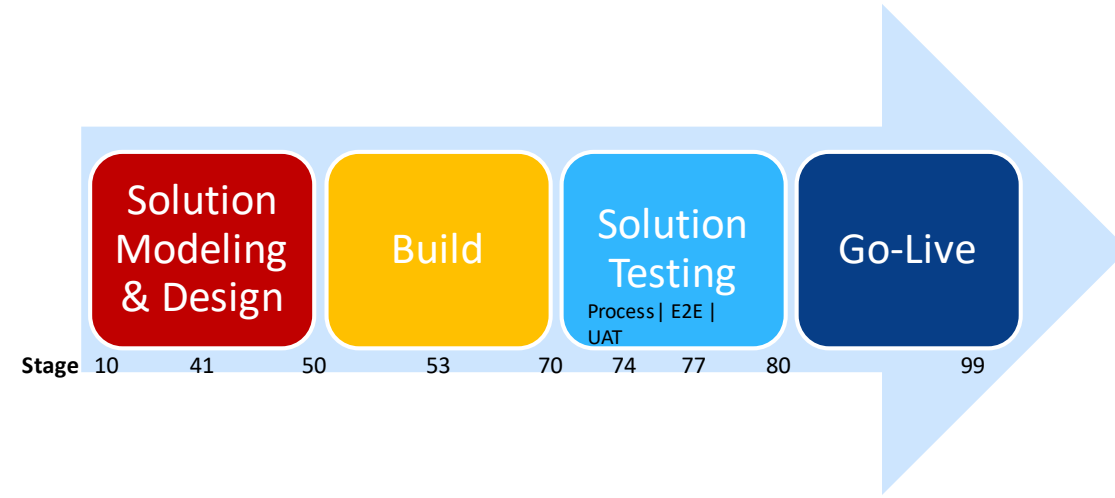
## Build and Deploy

Microsoft onboard and onsite for project to design, build, test, train and deploy  
V1.0 July 2020, C1.1 Nov 2020

# Stage Definitions



Stage	Definition	Development Life Cycle
10	Validation Pending	Solution Modeling & Design
20	Consultant Review in Process	
30	Architectural Review in Process	
40	Business Review in Process	
41	Design Documentation in Process	
50	Config-Dev Ready	Build Phase
51	Config-Dev Complete	
53	Demo Ready	
56	Demo Rework	
60	Demo Complete	
70	Demo Accepted	Testing
74	Process Testing in Process	
77	End to End Testing in Process	
80	UAT in Process	
90	UAT Complete	Production
99	In Production	





# Program Structure

## GUARDIAN PROGRAM STRUCTURE

As of 23 January 2020

