Purpose

The [Project] is transforming how services are provided and how applications are hosted at [Agency] data centers. Transformation efforts will reduce excess capacity, increase efficiency, improve processes and improve service delivery to [Agency] customers. This document provides a high level status of the [Project], the current issues facing the [Project] team, and the progress of transforming infrastructure applications and [Agency] business applications from their current locations and configurations to the new virtual data center (VDC).

Migration Factory

Infrastructure Applications

The [Project] team is tracking 69 applications that have a disposition of "migrate." As of May 31, [Project] has transformed 24 (35%) applications to the VDC. Table 1 shows the progress for each [Agency] organization and highlights the number of applications that have issues that affect their migration schedules.

	All Apps	Org 1	Org 2	Org 3	Org 4	Org 5	Org 6
Total Apps	69	1	6	25	2	33	2
Major Issues	27	0	1	16	0	10	0
Minor Issues	3	0	0	0	1	2	0
On Track	15	1	3	3	0	7	1
Complete	24	0	2	6	1	14	1

Major Issues. At risk of missing the March 31, 2016 deadline
Minor Issues. Still moving through the transformation process
On Track. In process w/ no issues OR transformation hasn't begun
Complete. Transformation to the VDC is complete

* CSS is not shown because it has no applications with a disposition of Migrate.

Table 1

For details, see the Infrastructure Application Transformation Reports on the [Project] web site.

Business Applications

Conversations continue with application owners to finalize dispositions and set migration schedules. Of the 306 known applications there are 89 that will be migrated to VDC, although this will change as additional disposition decisions are made for some applications. To date, four applications have completed migration.

	All Business Apps	HQ Organizations					Field Organizations					
		HQ 1	HQ 2	HQ 3	HQ 4	HQ 5	F 1	F 2	F 3	F 4	F 5	F 6
Total Apps	89	16	8	20	8	7	8	1	2	4	4	2
Major Issues	22	5	2	3	0	2	0	0	1	0	0	0
Minor Issues	2	0	0	1	0	1	0	0	0	0	0	0
On Track	61	9	6	16	8	2	8	1	1	4	4	2
Complete	4	2	0	0	0	2	0	0	0	0	0	0

Major Issues. At risk of missing the March 31, 2016 deadline
Minor Issues. Still moving through the transformation process
On Track. In process with no issues OR transformation hasn't begun
Complete. Transformation to the VDC is complete

* Field organizations 7 & 8 are not shown because they have no applications with a disposition of Migrate.

Table 2

For details, see the Business Application Transformation Reports on the [Project] web site.

Process

Overall Progress

N/A

Recent Accomplishments

Change Management is 100% migrated from [previous system] to [new system]. IBM's CCMDB is completely retired.	• All change and configuration management is now handled within [new system]. • All VDC data center resources are tracked/managed through [new system]'s configuration management database. • All tasking and workflow for VDC data center services are managed through [new system].
Implemented abbreviated process for small changes that don't require [Agency] approval.	• A shortened workflow will significantly reduce the number of requests processed by the [Agency].

Upcoming Milestones

Adding configuration item discovery capability to [new system] by May 15	• Automatically catalogues server attributes (storage, network connections, installed software, and access control list tracking). • [Agency] will be able to validate [vendor] invoicing, identify undocumented changes, and decrease the time to troubleshoot incidents.
Integrate [new system] with [vendor] service desk. (Trying to convince [vendor]; negotiations ongoing.)	• Would streamline the process for turning [new system] incidents into actionable [vendor] resource requests. • Would greatly reduce potential for human error inherent in the current manual process.

Issues

None at this time.

DevOps

Overall Progress

The DevOps work stream was just officially assembled and the group is in a transition window as they move people off previous duties and into their new responsibilities.

Recent Accomplishments

[New tool 1] in Production	• [Agency] can now provision application platforms and install applications in an automated fashion. Has been used for two production VDC apps to date.
DML in Production	• The definitive media library (DML) is the new repository for all production packages. [New tool 2] is the tool that supports the DML, and it has been installed in the VDC and is in use. Complete switch over from current software library coming soon.

Upcoming Milestones

Server Configuration and Application Preparation	• Includes server post-build fundamentals (firewall, etc.) and specific app platform requirements. • Trying to reduce the provisioning process time from 20 days to just a few hours. • Leveraging tools already in place and conducting pilots to see how much we can automate.
Definitive Media Library (DML)	• Adding a more intuitive user interface to interact with [new tool 2]. • Retirement of [Agency] software library is underway. Complete cut-over by July 2015 when all prod packages will come from the DML.

[New tool 1] 3.8 Upgrade	• Will support "containers" within which apps would live. • Containers ease the pain of disaster recovery and lessen the work/costs of future data center migrations.

Issues

None

Infrastructure Delivery

Overall Progress

The VDC infrastructure at [vendor] stands at roughly 60% complete.

Recent Accomplishments

GIS Architecture	• [Agency] has completed 99% of the GIS architecture. Presented to the GIS community May 7 for approval. • Once issues (below) are resolved, [vendor] to standup GIS servers according to the approved architecture.

Upcoming Milestones

VDC at [Vendor]	DMZ	• Awaiting [vendor] to deploy boundary gateway solution by August 2015. • Additional configuration by [Project] team will follow. • Temporary workaround solution is in place to support business applications.
	Citrix	• Conducting a Citrix pilot to identify potential issues at VDC. Scheduled to complete in July. • Architecture currently under development. Scheduled to complete in July.
	T: Drive Replacement	• Starting architecture discussion.
VDC at Failover Site	DC Standup (by [vendor])	• Network and DMZ configurations. • Estimated completion by August 2015.
	DC Standup (by [Agency])	• Data center services from VDC at [vendor] to be replicated at failover site. Projected [vendor] schedule by June 2015. • [Agency] to complete data center services standup plans by May 31.

Issues

Unresolved trust relationship between [vendor] and [vendor 2]	• Agreements are being negotiated now. • Submitted service request to [vendor] May 12. One-way trust between [vendor] and [vendor 2] should be resolved within the next 2 weeks.
Slow progress of requests to allocate storage at [vendor]	• Final round of technical details presented to [vendor] May 6. • Anticipate final approval within 2 weeks.