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Business Case

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Section A: Investment Summary Information

Investment Name	Unique Investment Identifier
Census - Data Ingest and Collection for the Enterprise (DICE)	006-000000135

Investment Description

The Census Bureau is committed to a shared services approach as a means to harness the benefits of enterprise-wide solutions over duplicative, single-use solutions for operations and technology. DICE is a new way of doing business that focuses on minimizing redundancy, lowering complexity, and avoiding duplicative costs for the Census's business and household data ingest and collection operations.

Agency
Department of Commerce



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Investment Type
Major IT Investments

Bureau
Bureau of the Census

Mission Support
Not Applicable

Shared Service Category
Not Applicable

Shared Service Identifier
Not Applicable

Date Investment First Submitted
09/20/2021

Date of Last Investment Detail Update
05/31/2022

Section B: Investment Detail

1. Briefly describe the investment's return on investment, including benefits internal and external to the government and outcomes achieved or planned.

The goal is to maintain a similar ROI based on the migration from survey-specific systems to enterprise shared systems across all surveys and censuses. There are currently six unique systems at the U.S. Census Bureau for managing survey samples during data collection operations; twenty unique systems to manage the different modes of data collection, data capture, and field control; and five major unique survey and census data processing systems. In the preparation and execution of the 2010 Census, the Census Bureau spent over \$1 billion to build and deploy only four of the nearly thirty systems mentioned above. After the 2010 Census, those four systems were retired. In the Enterprise Data Collection and Processing initiative, we are creating an integrated and standardized system of systems that offers shared data collection and processing services across the enterprise. We will consolidate costs by retiring unique, survey-specific systems and redundant capabilities and bring a significant portion of the Census Bureau's total IT expenditures under a single, integrated and centrally managed program.

Section C: Investment and Contracts

Contracts

- 1331L520F13230234
- 1333LB20F00000210
- YA1323-15-BU-0036/WO001
- YA1323-15-BU-0042/0005
- 133LB21F00000278
- 1333LB19F00000509
- 1333LB20C00000004
- YA1323-15-BU-0027/TO0003
- 1333LB19F00000182
- 1333LB21C00000026
- YA13231NC140058
- YA132315BU00270002
- 1333LB19F00000073
- 1331L520F13230364
- 1333LB19F00000309
- DOCYA132315BU0042
- 1333LB21C00000021
- 1333LB20F00000046
- 1333LC21F00000195
- 1333LB22F00000020
- 1333LB19F00000133
- 1331L522F13230037
- 1333LB21C00000013
- 1333LB22F00000014
- 1331L521F13230124
- 1333LB19F00000610
- 1333LC21C00000008
- 1333LC21C00000023
- 1333LB19F00000520
- 1333LB22F00000053
- 1333LB21F00000148
- 1333LB21F00000331
- 1333LB21F00000226
- 1333LB21C00000027
- 1333LB21F00000320
- CB20ADR0160003
- 1333LB20F00000273

Section D: Historic CIO Rating

CIO Rating	Date	Comments
4	Jun 28, 2022	DICE continues with implementing a new way of doing business that focuses on minimizing redundancy, lowering complexity, and avoiding duplicative costs for the Census's business and household data ingest and collection operations. DICE's accomplishments include: QDM/Centurion 2.0 Development Milestone - the QDM system successfully delivered the first Centurion Form Object Model (CFOM) file to the Centurion system, which is the official DICE process to get survey instrument content transferred from QDM for rendering in Centurion 2.0. This achievement marks a major milestone for DICE development and testing on the path to our production MVP. Investment is improving in reporting and is progressing in execution.
4	May 27, 2022	DICE continues with implementing a new way of doing business that focuses on minimizing redundancy, lowering complexity, and avoiding duplicative costs for the Census's business and household data ingest and collection operations. DICE's accomplishments include: Transitioned Electronic Correspondence (eCORR) development and maintenance responsibility to the Economic Application Division. Completed development of 24 new features, approved 34, and started development of 58 additional new features from the DICE Program Increment 05 universe-accounting for 1116/145 of newly identified features. Investment is improving in reporting and is progressing in execution.
4	Apr 27, 2022	DICE continues with implementing a new way of doing business that focuses on minimizing redundancy, lowering complexity, and avoiding duplicative costs for the Census's business and household data ingest and collection operations. DICE's accomplishments include: Developed Initial Cost estimate for AWS Cloud Data Storage for the DICE Program. QDM-started testing by Special Census program area. Finalized Privacy Impact Assessments for all DICE systems. Finalized milestone schedule for AIES survey and successfully onboarded Commodity Flow Survey (CFS) for eCORR. Investment is improving in reporting and is progressing in execution.
4	Mar 29, 2022	DICE continues with implementing a new way of doing business that focuses on minimizing redundancy, lowering complexity, and avoiding duplicative costs for the Census's business and household data ingest and collection operations. DICE's accomplishments include: Conducted initial Reconciliation of the DICE Operational Control and Electronic Data Collection Independent Cost Estimate and Program Office Estimation. Continued development for Data Ingest Solution (RISE). Investment is improving in reporting and is progressing in executing.
4	Feb 24, 2022	DICE continues with implementing a new way of doing business that focuses on minimizing redundancy, lowering complexity, and avoiding duplicative costs for the Census's business and household data ingest and collection operations. DICE's accomplishments include: Mailed-out survey for the eCORR Production for Company Organization Survey/Annual Survey of Manufactures (COS/ASM, ECON). eCORR onboarded Quarterly Financial Report (QFR) survey. Data Ingest Solution (RISE) development started. Investment is improving in reporting and is progressing in executing.
4	Jan 27, 2022	DICE continues with implementing a new way of doing business that focuses on minimizing redundancy, lowering complexity, and avoiding duplicative costs for the Census's business and household data ingest and collection operations. DICE's accomplishments include: Continued reconciliation of the DICE Operational Control and Electronic Data Collection Independent Cost Estimate and Program Office Estimate. Investment is improving in reporting and is progressing in executing.
4	Nov 30, 2021	DICE continues with implementing a new way of doing business that focuses on minimizing redundancy, lowering complexity, and avoiding duplicative costs for the Census's business and household data ingest and collection operations. DICE's accomplishments include: Conducted initial reconciliation of the DICE Operational Control and Electronic Data Collection Independent Cost Estimate and Program Office Estimate. Rating is based on the investment is still entering additional data.
4	Sep 28, 2021	DICE continues with implementing a new way of doing business that focuses on minimizing redundancy, lowering complexity, and avoiding duplicative costs for the Census's business and household data ingest and collection operations. DICE's accomplishments include: Receipt of AWS Development Environment for DICE Systems; Conduct initial reconciliation of the DICE Paper Data Capture Project; Independent Cost Estimate and Program Office Estimate; Close out Program Increment 1 and begin Program Increment 2; QDM available for Internet only content entry for Refile, Economic; Census 2022 Industry Classification, Trade Classification and Main Mailing.

Data Last Updated On: 06/30/2022

Section E: Investment Spending

Table 1: Distribution by Spending Type			
Spending Type	PY 2021	CY 2022	BY 2023
DME Costs	50.864	38.393	49.64
O&M Costs	0	22.001	12.104
Total	50.864	60.394	61.744

Table 2: Distribution by Cost Pools			
Cost Pools	PY 2021	CY 2022	BY 2023
Internal Labor	7.35	19.338	30.95
External Labor	42.133	34.204	12.153
Outside Services	0	0	0
Hardware	0.323	4.186	14.55
Software	1.058	2.666	4.091
Facilities & Power	0	0	0

Cost Pools	PY 2021	CY 2022	BY 2023
Telecom	0	0	0
Other	0	0	0
Internal Services	0	0	0
Totals	50.864	60.394	61.744

Cost in millions (M)

Table 3: Distribution by IT Towers			
IT Tower	PY 2021	CY 2022	BY 2023
Security & Compliance	0.519	1.843	1.889
IT Management	0	0	0
Network	0	0	0
Data	0	0	0
Compute	0	0	0
Storage	0	0	0
End User	0	0	0
Output	0	0	0
Application	50.345	58.551	59.855
Delivery	0	0	0
Platform	0	0	0
Data Center	0	0	0
Totals	50.864	60.394	61.744

IT Towers

Cost in millions (M)

Data Last Updated On: 05/31/2022

Section F: Project and Activities Detail

Table 1: Project Details								
Project Name	Project UID	Status	Project Life Cycle Cost (\$M)	Cost Variance (%)	Start Date	End Date	Schedule Variance (%)	Schedule Variance (Days)
DICE Questionnaire Design and Metadata	001D210010	In Progress	15.98	0	2021-04-14	2023-09-30	0	0
DICE Program Management	001O210011	In Progress	23.46	0	2021-04-14	2023-09-30	0	0
DICE Electronic Correspondence	001D21006	In Progress	20.34	0	2021-04-14	2023-09-30	0	0
DICE Data Ingest	001D21009	In Progress	6.18	9.1	2021-04-14	2023-09-30	0	0
DICE Electronic Data Collection Standards	0001D21002	In Progress	18.71	0	2021-04-14	2023-09-30	0	0
DICE Operational Control System	0001D21003	In Progress	24.89	0	2021-04-14	2023-09-30	0	0
DICE Adaptive Design	001D21008	In Progress	22.97	0	2021-04-14	2023-09-30	0	0
DICE System Engineering	001D21005	In Progress	51.85	0	2021-04-14	2023-09-30	0	0
DICE Electronic Data Collection Instruments DEV	001D21004	Complete	23.28	0	2021-04-14	2023-09-30	0	0
DICE Survey Inventory	001D210011	In Progress	5.3	0	2021-04-14	2023-09-30	0	0
Low			Medium			High		

Table 2: Activity Details								
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Unique Project ID	Activity Name	Activity Description	Planned Start Date	Projected Start Date	Actual Start Date	Planned Completion Date	Projected Completion Date	Actual Completion Date	Planned Total Cost (\$M)	Projected Total Cost (\$M)	Actual Total Cost (\$M)
001D210010	DICE Questionnaire Design and Metadata System PI-01 Development	Develop agreed to functionality and tasks for Program Increment 1 for Questionnaire Design that will be used for all surveys to begin onboarding to questionnaire design functionality.	2021-04-14	2021-04-14	2021-04-14	2021-07-06	2021-07-06	2021-07-06	1.74	1.743	1.74
001D210010	DICE Questionnaire Design and Metadata System PI-02 Development	Develop agreed to functionality and tasks for Program Increment 2 for Questionnaire Design that will be used for all surveys to begin onboarding to questionnaire design functionality.	2021-07-07	2021-07-07	2021-07-07	2021-09-28	2021-09-28	2021-09-28	2.77	2.77	2.77
001D210010	DICE Questionnaire Design and Metadata System PI-03 Development	Develop agreed to functionality and tasks for Program Increment 3 for Questionnaire Design that will be used for all surveys to begin onboarding to questionnaire design functionality.	2021-09-29	2021-09-29	2021-09-29	2021-12-21	2021-12-21	2021-12-21	1.61	1.609	1.61
001D210010	DICE Questionnaire Design and Metadata System PI-05 Development (4357X68)	Develop agreed to functionality and tasks for Program Increment 3 for Questionnaire Design that will be used for all surveys to begin onboarding to questionnaire design functionality.	2022-03-16	2022-03-16	2022-03-16	2022-06-07	2022-06-07		1.61	1.61	0
001D210010	DICE Questionnaire Design and Metadata System PI-04 Development (4357X68)	Develop agreed to functionality and tasks for Program Increment 3 for Questionnaire Design that will be used for all surveys to begin onboarding to questionnaire design functionality.	2021-12-22	2021-12-22	2021-12-22	2022-03-15	2022-03-15	2022-03-15	1.61	1.609	1.61
001O210011	DICE Program PI-01 Development	Complete agreed to tasks for Program Increment 1 for Program Management Office.	2021-04-14	2021-04-14	2021-04-14	2021-07-06	2021-07-06	2021-07-06	5.25	5.245	5.25

Unique Project ID	Activity Name	Activity Description	Planned Start Date	Projected Start Date	Actual Start Date	Planned Completion Date	Projected Completion Date	Actual Completion Date	Planned Total Cost (\$M)	Projected Total Cost (\$M)	Actual Total Cost (\$M)
0010210011	DICE Program PI-02 Development	Complete agreed to tasks for Program Increment 2 for Program Management Office.	2021-07-07	2021-07-07	2021-07-07	2021-09-28	2021-09-28	2021-09-28	0.9	0.903	0.9
0010210011	DICE Program PI-03 Development	Complete agreed to tasks for Program Increment 3 for Program Management Office.	2021-09-29	2021-09-29	2021-09-29	2021-12-21	2021-12-21	2021-12-21	2.16	2.161	2.16
0010210011	DICE Program PI-04 Development	Complete agreed to tasks for Program Increment 4 for Program Management Office.	2021-12-22	2021-12-22	2021-12-22	2022-03-15	2022-03-15	2022-03-15	2.16	2.161	2.16
0010210011	DICE Program PI-05 Development	Complete agreed to tasks for Program Increment 5 for Program Management Office.	2022-03-16	2022-03-16	2022-03-16	2022-06-07	2022-06-07		2.16	2.161	0
0010210011	DICE Program PI-06 Development	Complete agreed to tasks for Program Increment 6 for Program Management Office.	2022-06-08	2022-06-08		2022-08-30	2022-08-30		1.44	1.441	0
001D21006	DICE Electronic Correspondence PI-01 DEV	Develop agreed to functionality and tasks for Program Increment 1 for Electronic Correspondence that will be used for all surveys to begin onboarding to create Electronic Correspondence functionality.	2021-04-14	2021-04-14	2021-04-14	2021-07-06	2021-07-06	2021-07-06	1.64	1.641	1.64
001D21006	DICE Electronic Correspondence PI-02 DEV	Develop agreed to functionality and tasks for Program Increment 2 for Electronic Correspondence that will be used for all surveys to begin onboarding to create Electronic Correspondence functionality.	2021-07-07	2021-07-07	2021-07-07	2021-09-28	2021-09-28	2021-09-28	1.87	1.866	1.87

Unique Project ID	Activity Name	Activity Description	Planned Start Date	Projected Start Date	Actual Start Date	Planned Completion Date	Projected Completion Date	Actual Completion Date	Planned Total Cost (\$M)	Projected Total Cost (\$M)	Actual Total Cost (\$M)
001D21006	DICE Electronic Correspondence PI-03 DEV	Develop agreed to functionality and tasks for Program Increment 3 for Electronic Correspondence that will be used for all surveys to begin onboarding to create Electronic Correspondence functionality.	2021-09-29	2021-09-29	2021-09-29	2021-12-21	2021-12-21	2021-12-21	2.05	2.048	2.05
001D21006	DICE Electronic Correspondence (eCORR) PI-04 DEV	Develop agreed to functionality and tasks for Program Increment 4 for Electronic Correspondence that will be used for all surveys to begin onboarding to create Electronic Correspondence functionality.	2021-12-22	2021-12-22	2021-12-22	2022-03-15	2022-03-15	2022-03-15	2.05	2.048	2.05
001D21006	DICE Electronic Correspondence (eCORR) PI-05 DEV	Develop agreed to functionality and tasks for Program Increment 5 for Electronic Correspondence that will be used for all surveys to begin onboarding to create Electronic Correspondence functionality.	2022-03-16	2022-03-16	2022-03-16	2022-06-07	2022-06-07		2.05	2.05	0
001D21006	DICE Electronic Correspondence (eCORR) PI-06 DEV	Develop agreed to functionality and tasks for Program Increment 6 for Electronic Correspondence that will be used for all surveys to begin onboarding to create Electronic Correspondence functionality.	2022-06-08	2022-06-08		2022-08-30	2022-08-30		1.37	1.365	0
001D21009	DICE Data Ingest PI-02 Development	Develop agreed to functionality and tasks for Program Increment 2 for Data Ingest that will be used for all surveys to begin onboarding to create Data Ingest functionality.	2021-07-07	2021-07-07	2021-07-07	2021-09-28	2021-09-28	2021-09-28	0.85	0.849	0.85

Unique Project ID	Activity Name	Activity Description	Planned Start Date	Projected Start Date	Actual Start Date	Planned Completion Date	Projected Completion Date	Actual Completion Date	Planned Total Cost (\$M)	Projected Total Cost (\$M)	Actual Total Cost (\$M)
001D21009	DICE Data Ingest PI-03 Development	Develop agreed to functionality and tasks for Program Increment 3 for Data Ingest that will be used for all surveys to begin onboarding to create Data Ingest functionality.	2021-09-29	2021-09-29	2021-09-29	2021-12-21	2021-12-21	2021-12-21	0.37	0.369	0.37
001D21009	DICE Data Ingest PI-04 Development	Develop agreed to functionality and tasks for Program Increment 4 for Data Ingest that will be used for all surveys to begin onboarding to create Data Ingest functionality.	2021-12-22	2021-12-22	2021-12-22	2022-03-15	2022-03-15	2022-03-15	0.37	0.369	0
001D21009	DICE Data Ingest PI-01 Development	Develop agreed to functionality and tasks for Program Increment 1 for Data Ingest that will be used for all surveys to begin onboarding to create Data Ingest functionality.	2021-04-14	2021-04-14	2021-04-14	2021-07-06	2021-07-06	2021-07-06	1.85	1.845	1.85
001D21009	DICE Data Ingest PI-05 Development	Develop agreed to functionality and tasks for Program Increment 5 for Data Ingest that will be used for all surveys to begin onboarding to create Data Ingest functionality.	2022-03-16	2022-03-16	2022-03-16	2022-06-07	2022-06-07		0.37	0.369	0
001D21009	DICE Data Ingest PI-06 Development	Develop agreed to functionality and tasks for Program Increment 6 for Data Ingest that will be used for all surveys to begin onboarding to create Data Ingest functionality.	2022-06-08	2022-06-08		2022-08-30	2022-08-30		0.25	0.246	0

Unique Project ID	Activity Name	Activity Description	Planned Start Date	Projected Start Date	Actual Start Date	Planned Completion Date	Projected Completion Date	Actual Completion Date	Planned Total Cost (\$M)	Projected Total Cost (\$M)	Actual Total Cost (\$M)
0001D21002	Elec. Data Coll. Standards PI-02	Develop agreed to functionality and tasks for Program Increment 2 for Electronic Data Collection Standards that will be used for all surveys to begin onboarding to create electronic instruments.	2021-07-07	2021-07-07	2021-07-07	2021-09-28	2021-09-28	2021-09-28	1.11	1.107	1.11
0001D21002	Elec. Data Coll. Standards PI-03	Develop agreed to functionality and tasks for Program Increment 3 for Electronic Data Collection Standards that will be used for all surveys to begin onboarding to create electronic instruments.	2021-09-29	2021-09-29	2021-09-28	2021-12-21	2021-12-21	2021-12-21	1.94	1.943	1.94
0001D21002	Elec. Data Coll. Standards PI-03	Develop agreed to functionality and tasks for Program Increment 5 for Electronic Data Collection Standards that will be used for all surveys to begin onboarding to create electronic instruments.	2021-12-22	2021-12-22	2021-12-22	2022-03-15	2022-03-15	2022-03-15	1.94	1.943	1.94
0001D21002	Electronic Data Collection Standards PI-05 Development (4357X76)	Develop agreed to functionality and tasks for Program Increment 5 for Electronic Data Collection Standards that will be used for all surveys to begin onboarding to create electronic instruments.	2022-03-16	2022-03-16	2022-03-16	2022-06-07	2022-06-07		1.94	1.944	0
0001D21003	DICE Operational Control System PI-01 Development	Develop agreed to functionality and tasks for Program Increment 1 for Operational Control that will be used for all surveys to begin onboarding to Operational Control functionality.	2021-04-14	2021-04-14	2021-04-14	2021-07-06	2021-07-06	2021-07-06	4.04	4.04	4.04

Unique Project ID	Activity Name	Activity Description	Planned Start Date	Projected Start Date	Actual Start Date	Planned Completion Date	Projected Completion Date	Actual Completion Date	Planned Total Cost (\$M)	Projected Total Cost (\$M)	Actual Total Cost (\$M)
0001D21003	DICE Operational Control System PI-02 Development	Develop agreed to functionality and tasks for Program Increment 2 for Operational Control that will be used for all surveys to begin onboarding to Operational Control functionality.	2021-07-07	2021-07-07	2021-07-07	2021-09-28	2021-09-28	2021-09-28	0.48	0.483	0.48
0001D21003	DICE Operational Control System PI-03 Development	Develop agreed to functionality and tasks for Program Increment 3 for Operational Control that will be used for all surveys to begin onboarding to Operational Control functionality.	2021-09-29	2021-09-29	2021-09-29	2021-12-21	2021-12-21	2021-12-21	2.61	2.609	2.61
0001D21003	DICE Operational Control System PI-05 Development (4357X59)	Develop agreed to functionality and tasks for Program Increment 5 for Operational Control that will be used for all surveys to begin onboarding to Operational Control functionality.	2022-03-16	2022-03-16	2022-03-16	2022-06-07	2022-06-07		2.61	2.609	0
0001D21003	DICE Operational Control System PI-04 Development (4357X59)	Develop agreed to functionality and tasks for Program Increment 4 for Operational Control that will be used for all surveys to begin onboarding to Operational Control functionality.	2021-12-22	2021-12-22	2021-12-22	2022-03-15	2022-02-15	2022-03-15	2.61	2.609	2.61
001D21008	DICE Adaptive Design PI-01	Develop agreed to functionality and tasks for Program Increment 1 for Data Ingest that will be used for all surveys to begin onboarding to create Data Ingest functionality.	2021-04-14	2021-04-14	2021-04-14	2021-07-06	2021-07-06	2021-07-06	4.26	4.255	4.26

Unique Project ID	Activity Name	Activity Description	Planned Start Date	Projected Start Date	Actual Start Date	Planned Completion Date	Projected Completion Date	Actual Completion Date	Planned Total Cost (\$M)	Projected Total Cost (\$M)	Actual Total Cost (\$M)
001D21008	DICE Adaptive Design PI-02 Development	Develop agreed to functionality and tasks for Program Increment 2 for Adaptive Design that will be used for all surveys to begin onboarding to create adaptive design functionality.	2021-07-07	2021-07-07	2021-07-07	2021-09-28	2021-09-28	2021-09-28	1.74	1.737	1.74
001D21008	DICE Adaptive Design PI-03 Development	Develop agreed to functionality and tasks for Program Increment 3 for Adaptive Design that will be used for all surveys to begin onboarding to create adaptive design functionality.	2021-09-29	2021-09-29	2021-09-29	2021-12-21	2021-12-21	2021-12-21	2.12	2.122	2.12
001D21008	DICE Adaptive Design PI-04	Develop agreed to functionality and tasks for Program Increment 4 for Adaptive Design that will be used for all surveys to begin onboarding to create adaptive design functionality.	2021-12-22	2021-12-22	2021-12-22	2022-03-15	2022-03-15	2022-03-15	2.12	2.122	2.12
001D21008	DICE Adaptive Design PI-07 Development	Develop agreed to functionality and tasks for Program Increment 7 for Adaptive Design that will be used for all surveys to begin onboarding to create adaptive design functionality.	2022-08-31	2022-08-31		2022-11-22	2022-11-22		0.71	0.707	0
001D21008	DICE Adaptive Design PI-05 Development	Develop agreed to functionality and tasks for Program Increment 5 for Adaptive Design that will be used for all surveys to begin onboarding to create adaptive design functionality.	2022-03-16	2022-03-16	2022-03-16	2022-06-07	2022-06-07		2.12	2.123	0

Unique Project ID	Activity Name	Activity Description	Planned Start Date	Projected Start Date	Actual Start Date	Planned Completion Date	Projected Completion Date	Actual Completion Date	Planned Total Cost (\$M)	Projected Total Cost (\$M)	Actual Total Cost (\$M)
001D21008	DICE Adaptive Design PI-06 Development	Develop agreed to functionality and tasks for Program Increment 6 for Adaptive Design that will be used for all surveys to begin onboarding to create adaptive design functionality.	2022-06-08	2022-06-08		2022-08-30	2022-08-30		1.42	1.415	0
001D21005	DICE System Engineering PI-01 Activities	Develop agreed to functionality and tasks for Program Increment 1 for System Engineering that will be used for program testing and system integration.	2021-04-14	2021-04-14	2021-04-14	2021-07-06	2021-07-06	2021-07-06	21.84	21.841	21.84
001D21005	DICE System Engineering PI-02 Activities	Complete agreed to tasks for Program Increment 2 for System Engineering and Integration.	2021-07-07	2021-07-07	2021-07-07	2021-09-28	2021-09-28	2021-09-28	1.55	1.551	1.55
001D21005	DICE System Engineering PI-03 Activities	Complete agreed to tasks for Program Increment 3 for System Engineering and Integration.	2021-09-29	2021-09-29	2021-09-29	2021-12-21	2021-12-21	2021-12-21	4.01	4.009	4.01
001D21005	DICE System Engineering PI-04 Activities (4357X60)	Complete agreed to tasks for Program Increment 4 for System Engineering and Integration.	2021-12-22	2021-12-22	2021-12-22	2022-03-15	2022-03-15	2022-03-15	4.01	4.009	4.01
001D21005	DICE System Engineering PI-05 Activities (4357X60)	Complete agreed to tasks for Program Increment 5 for System Engineering and Integration.	2022-03-16	2022-03-16	2022-03-16	2022-06-07	2022-06-07		4.01	4.009	0
001D21004	Electronic Data Collection Instruments DEV PI-01	Develop agreed to functionality and tasks for Program Increment 1 for Electronic Data Collection Instruments DEV that will be used for Electronic Data Collection Instruments DEV functionality.	2021-04-14	2021-04-14	2021-04-14	2021-07-06	2021-07-06	2021-07-06	3.79	3.786	3.79

Unique Project ID	Activity Name	Activity Description	Planned Start Date	Projected Start Date	Actual Start Date	Planned Completion Date	Projected Completion Date	Actual Completion Date	Planned Total Cost (\$M)	Projected Total Cost (\$M)	Actual Total Cost (\$M)
001D21004	Electronic Data Collection Instruments DEVs PI-02	Develop agreed to functionality and tasks for Program Increment 2 for Electronic Data Collection Instruments DEV that will be used for Electronic Data Collection Instruments DEV functionality.	2021-07-07	2021-07-07	2021-07-07	2021-09-28	2021-09-28	2021-09-28	1.89	1.89	1.89
001D21004	Electronic Data Collection Instruments DEV PI-03	Develop agreed to functionality and tasks for Program Increment 3 for Electronic Data Collection Instruments DEV that will be used for Electronic Data Collection Instruments DEV functionality.	2021-09-29	2021-09-29	2021-09-29	2021-12-21	2021-12-21	2021-12-21	1.94	1.943	1.94
001D210011	DICE Survey Inventory PI-02 Development	Develop agreed to functionality and tasks for Program Increment 2 for Survey Inventory that will be used for all surveys to begin onboarding to create Survey Inventory functionality.	2021-07-07	2021-07-07	2021-07-07	2021-09-28	2021-09-28	2021-09-28	0.05	0.046	0.05
001D210011	DICE Survey Inventory PI-03 Development	Develop agreed to functionality and tasks for Program Increment 3 for Survey Inventory that will be used for all surveys to begin onboarding to create Survey Inventory functionality.	2021-09-29	2021-09-29	2021-09-29	2021-12-21	2021-12-21	2021-12-21	0.51	0.51	0.51
001D210011	DICE Survey Inventory PI-01 Development	Develop agreed to functionality and tasks for Program Increment 1 for Survey Inventory that will be used for all surveys to begin onboarding to create Survey Inventory functionality.	2021-04-14	2021-04-14	2021-04-14	2021-07-06	2021-07-06	2021-07-06	1.41	1.407	1.41

Unique Project ID	Activity Name	Activity Description	Planned Start Date	Projected Start Date	Actual Start Date	Planned Completion Date	Projected Completion Date	Actual Completion Date	Planned Total Cost (\$M)	Projected Total Cost (\$M)	Actual Total Cost (\$M)
001D210011	DICE Survey Inventory PI-04 Development (4357X69)	Develop agreed to functionality and tasks for Program Increment 4 for Survey Inventory that will be used for all surveys to begin onboarding to create Survey Inventory functionality.	2021-12-22	2021-12-22	2021-12-22	2022-03-15	2022-03-15		0.51	0.51	0.51
001D210011	DICE Survey Inventory PI-05 Development (4357X69)	Develop agreed to functionality and tasks for Program Increment 5 for Survey Inventory that will be used for all surveys to begin onboarding to create Survey Inventory functionality.	2022-03-16	2022-03-16	2022-03-16	2022-06-07	2022-06-07		0.51	0.509	0

Table 3: Project Related Details
<div><div>DICE Questionnaire Design and Metadata</div><div><div>1. Are information technology investments adequately implementing incremental development methodology? (Y/N)</div><div>Yes</div><div>2. What is the frequency of incremental development iterations? (ex. 1 month, 3 months, 6 months, 12 months or greater)</div><div>Months</div><div>3. Please describe the iterative development methodology being employed. (500 characters or less)</div><div>Agile</div></div></div> <div><div>DICE Program Management</div><div><div>1. Are information technology investments adequately implementing incremental development methodology? (Y/N)</div><div>2. What is the frequency of incremental development iterations? (ex. 1 month, 3 months, 6 months, 12 months or greater)</div><div>3. Please describe the iterative development methodology being employed. (500 characters or less)</div></div></div> <div><div>DICE Electronic Correspondence</div><div><div>1. Are information technology investments adequately implementing incremental development methodology? (Y/N)</div><div>Yes</div><div>2. What is the frequency of incremental development iterations? (ex. 1 month, 3 months, 6 months, 12 months or greater)</div><div>Months</div><div>3. Please describe the iterative development methodology being employed. (500 characters or less)</div></div></div>

Agile

DICE Data Ingest

1. Are information technology investments adequately implementing incremental development methodology? (Y/N)

Yes

2. What is the frequency of incremental development iterations? (ex. 1 month, 3 months, 6 months, 12 months or greater)

Months

3. Please describe the iterative development methodology being employed. (500 characters or less)

Agile

DICE Electronic Data Collection Standards

1. Are information technology investments adequately implementing incremental development methodology? (Y/N)

Yes

2. What is the frequency of incremental development iterations? (ex. 1 month, 3 months, 6 months, 12 months or greater)

Months

3. Please describe the iterative development methodology being employed. (500 characters or less)

Agile

DICE Operational Control System

1. Are information technology investments adequately implementing incremental development methodology? (Y/N)

Yes

2. What is the frequency of incremental development iterations? (ex. 1 month, 3 months, 6 months, 12 months or greater)

Months

3. Please describe the iterative development methodology being employed. (500 characters or less)

Agile

DICE Adaptive Design

1. Are information technology investments adequately implementing incremental development methodology? (Y/N)

Yes

2. What is the frequency of incremental development iterations? (ex. 1 month, 3 months, 6 months, 12 months or greater)

Months

3. Please describe the iterative development methodology being employed. (500 characters or less)

Agile

DICE System Engineering

1. Are information technology investments adequately implementing incremental development methodology? (Y/N)

Yes

2. What is the frequency of incremental development iterations? (ex. 1 month, 3 months, 6 months, 12 months or greater)

Months

3. Please describe the iterative development methodology being employed. (500 characters or less)

Agile

DICE Electronic Data Collection Instruments DEV

1. Are information technology investments adequately implementing incremental development methodology? (Y/N)

Yes

2. What is the frequency of incremental development iterations? (ex. 1 month, 3 months, 6 months, 12 months or greater)

Months

3. Please describe the iterative development methodology being employed. (500 characters or less)

Agile

DICE Survey Inventory

1. Are information technology investments adequately implementing incremental development methodology? (Y/N)

Yes

2. What is the frequency of incremental development iterations? (ex. 1 month, 3 months, 6 months, 12 months or greater)

Months

3. Please describe the iterative development methodology being employed. (500 characters or less)

Agile

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