

Business Case: Capital Asset Summary

Part I: Summary Information and Justification (All Capital Assets)

Section A: Overview & General Information

Date Investment First Submitted: 2009-06-30
Date of Last Change to Activities: 2019-09-18
Investment Auto Submission Date:
Date of Last Investment Detail Update: 2021-04-27
Date of Last Business Case Update: 2021-04-27
Date of Last Revision: 2021-08-25

Agency: 005 - Department of Agriculture **Bureau:** 32 - Animal and Plant Health Inspection Service

1. Name of this Investment: MRP-APHIS-Animal Disease Traceability Information System (ADTIS)

2. Unique Investment Identifier (Ull): 005-000001659

Section B: Investment Detail

- Provide at least one Agency Strategic objective code ([A-11 Section 230](#)) and/or Agency Priority Goal code ([A-11 Section 250](#)) that this investment aligns to on performance.gov. If this investment aligns to more than one Agency strategic objective code and/or Agency Priority goal code list all that apply. If your agency does not report to performance.gov please use "0". This is required for Agency IT Portfolio Summary Part 1 and Part 2 Investments, not for Part 3 Investments.**

Agency Strategic Objective(s):

005SO18287: Protect agricultural health by preventing and mitigating the spread of agricultural pests and disease.

Agency Priority Goal(s):

- Briefly describe the investment's return on investment, including benefits internal and external to the government and outcomes achieved or planned.**
As a result of ADTIS [formerly NAIS], the Federal and State governments savings in connection with the administration of animal disease control and eradication programs are significant, but they are only part of the overall benefits. Economic benefits in both the domestic and international marketplace resulting from enhanced traceability may be greater than the cost savings realized during animal disease control and eradication efforts. For industry, the effect of not implementing some aspects of ADTIS may result in significant losses as great as \$1.32 billion on average per year over a 10-year period due mostly to reduced export market access. Implementation of ADTIS becomes more cost effective as participation levels increase and actually may not be economically viable at lower participation levels. The cattle industry cost represents 91.5 percent of the total cost of ADTIS for the primary food animal species (cattle, sheep, swine, and poultry). Identification tags and tagging cattle represent 75 percent of the cattle sectors

annual adoption cost. Tags and tagging costs vary among cattle producers with 50 head from \$3.30 to \$5.22 per cow, depending on current identification practices. The total cost for implementing ADTIS in the cattle sector as described in the study is \$175.9 million annually (at a 90 percent participation level). Although significant, the cost is less than one-half of a percent of the retail value of U.S. beef products. The swine and poultry industries each have a lower cost because animal tracing requirements for these species require less infrastructure and often no individual identification devices. The APHIS 2019 Impact Report states that the use of the ADTIS system increased the agency's ability to electronically collect data for the national animal disease tracing system, using mobile technology to speed the import of approximately 194,841 cattle from Canada.

3. **If this investment will result in the elimination or the reduction of another major or non-major investment(s), please complete the following:**

Table I.B.1 Affected Investment Information	
Investment UII	To Be Status
NONE	

4. **Does the Investment currently include an intra- or inter-Agency shared service (common, shared, or centralized solution)?:**
YES
5. **Does the Investment plan to include an Intra- or Inter-Agency shared service that it does not currently include (common, shared, or centralized solution)?:**
YES
6. **If systems contained in this Investment collect data from the public, please identify the OMB Control Numbers which authorize that data collection as per the Paperwork Reduction Act. Use [Reginfo](#) at the following link to identify information collection requests and OMB control numbers. Agencies can work with their Records Officers to determine the applicability.**
7. **Provide the name of the Investment-level project manager:**
Camille Chapman
8. **Select the qualification/experience level of the Investment-level project manager (select one):**
1 - FAC-P/PM(DAWIA-3)- Senior

Section C: Life Cycle Costs

1. Provide the total estimated life cycle costs for the investment in millions. Note: Do not enter information in the grey cells as these will be calculated.

Table I.C.1 Life Cycle Costs				
	PY-1 & Prior	PY 2021	CY 2022	BY 2023
Planning Costs:	0	0	0	0
DME (Excluding Planning) Costs:	\$22.720000	\$3.000000	\$2.400000	\$2.000000
DME (Including Planning) Govt. FTEs:	\$1.906000	0	0	0
Sub-Total DME (including Internal Labor (Govt. FTE)):	\$24.626000	\$3.000000	\$2.400000	\$2.000000
O & M Costs:	\$20.021000	\$1.552000	\$1.954000	\$1.100000
O & M Internal Labor (Govt. FTE):	\$5.865000	\$0.446000	0	\$0.446000
Sub-Total O & M Costs (Including Internal Labor (Govt. FTE)):	\$25.886000	\$1.998000	\$1.954000	\$1.546000
Total Cost (Including Internal Labor (Govt. FTE)):	\$50.512000	\$4.998000	\$4.354000	\$3.546000
Total Cost Internal Labor (Govt. FTE) costs:	\$7.771000	\$0.446000	0	\$0.446000
# of FTE rep by costs:	26	4	4	0
Total change from prior year final President's Budget (\$)		0	0	
Total change from prior year final President's Budget		0.00%	0.00%	

Table I.C.1 Life Cycle Costs

	PY-1 & Prior	PY 2021	CY 2022	BY 2023
(%)				

2.
 - a. In which year did or will this investment begin? (specify year - e.g., PY-1= 2019)
2004
 - b. In which year will this investment reach the end of its estimated useful life? (specify year - e.g., FY+5 = 2027)
2024
3. Compare the funding levels for PY and CY to the final FY 2022 President's Budget for those same years. Briefly explain any significant changes. When making comparisons, ensure that you compare same-year-to-same-year (e.g., the FY20 level for 2020 versus the FY21 level for 2020):
reduced congressional appropriations.

Business Case Detail: Performance Measurement Report

Section A1: General Information

1. **Name of this Investment:** MRP-APHIS-ANIMAL DISEASE TRACEABILITY INFORMATION SYSTEM (ADTIS)
2. **Unique Investment Identifier (UII):** 005-000001659

Section C1: Projects Table

Projects Table C.1

Unique Project ID	Project Name	Project Goal	Project Start Date	Project Completion Date	Project Lifecycle Cost (\$M)	Software Project?
ADT9010004	FISMA Compliance FY13.		10/01/2012	09/30/2013	\$0.1	
ADT9010006	FTE Support FY13.		10/01/2012	09/30/2013	\$0.2	
ADT9010007	FISMA Compliance FY14.		10/01/2013	09/30/2014	\$0.0	
ADT9010008	Acquisition Support FY14.		10/01/2013	09/30/2014	\$0.5	
ADT9010009	FTE Support FY14.		10/01/2013	09/30/2014	\$0.2	
128381	AIMS refactor	Code efficiency, improved performance.	04/01/2019	05/31/2019	\$0.0	
164523	ADT requirements analysis	Plan to address current code/system deficiencies.	08/01/2019	11/30/2019	\$0.3	

Section C2: Project Activities

1. Provide all non-agile project activities for projects in Table C.1 that started in a previous FY (PY and earlier) and that have not been completed by the beginning of the CY, as well as activities that are scheduled to start in the current FY and BY.

Project Activity Table C.2.1

Unique Project ID	Activity Name	Activity Description	Structure ID	Planned Start Date	Projected Start Date	Actual Start Date	Planned Completion Date	Projected Completion Date	Actual Completion Date	Planned Total Costs	Projected Total Costs	Actual Total Costs
ADT9010004	Security -FY13	SA&A RMF Steps 1-3 & POA&M Remediation	ADT9010004.1	2012-10-01	2012-10-01	2012-10-01	2013-09-30	2013-09-30	2013-09-30	0.120000	0.120000	0.120000
ADT9010006	FTE -FY13	Steady State IT Support	ADT9010006.1	2012-10-01	2012-10-01	2012-10-01	2013-09-30	2013-09-30	2013-09-30	0.181000	0.181000	0.181000
128381	Existing code analysis	TBD	128381.1	2019-04-01	2019-04-01	2019-04-01	2019-05-31	2019-05-31	2019-05-31	0.043000	0.043000	0.043000
164523	Contract award	Put ADT requirements analysis contract in place.	164523.1	2019-08-01	2019-07-12	2019-08-01	2019-10-11	2019-10-11	2019-08-26	0.300000	0.300000	0.026000

Project Activity Table C.2.1

Unique Project ID	Activity Name	Activity Description	Structure ID	Planned Start Date	Projected Start Date	Actual Start Date	Planned Completion Date	Projected Completion Date	Actual Completion Date	Planned Total Costs	Projected Total Costs	Actual Total Costs
164523	Solutions Analysis	Contractor works with ADT stakeholders to perform solutions analysis.	164523.2	2019-08-26	2019-08-26	2019-08-26	2019-11-30	2019-11-30		0.036000	0.224000	

Section D: Operational Data

1. Provide the date and results of the last Operational Analysis (for operational and mixed life cycle systems/Investments):

1. **Date of Analysis:**
2. **Analysis Results:**
3. **Analysis Conclusion:** initiate modernization/replacement action

2. Report a minimum of 5 metrics using the following table to provide metrics and actual results for each individual metric:

Metrics Definitions and Actual Results Table D.2 / D.3

Metric ID	Metric Description	Unit of Measure	Performance Measurement Category Mapping	Agency Baseline Capability	2020 Target	2021 Target	Measurement Condition	Reporting Frequency	Agency Strategic Objective / Agency Priority Goal	Is Metric Retired?
21147	Failure of the contractor to perform satisfactorily , resulting in loss of funds and services.	contract in force	2 - Strategic and Business Results	90.000000	90.000000	90.000000	Over target	Monthly	005SO18287 : Protect agricultural health by preventing and mitigating the spread of agricultural pests	No

Metrics Definitions and Actual Results Table D.2 / D.3

Metric ID	Metric Description	Unit of Measure	Performance Measurement Category Mapping	Agency Baseline Capability	2020 Target	2021 Target	Measurement Condition	Reporting Frequency	Agency Strategic Objective / Agency Priority Goal	Is Metric Retired?
-----------	--------------------	-----------------	--	----------------------------	-------------	-------------	-----------------------	---------------------	---	--------------------

and disease.

Metric ID	Actual Result ID	Actual Result	Date of Actual Result	Comment
21147	268953	95.000000	07/31/2020	
21147	268952	95.000000	06/30/2020	
21147	268951	100.000000	06/01/2020	
21147	268950	100.000000	05/01/2020	
21147	268949	100.000000	04/01/2020	
21147	268948	100.000000	03/05/2020	
21147	268947	100.000000	02/12/2020	
21147	268946	100.000000	01/10/2020	
21147	268945	100.000000	12/06/2019	
21147	268944	100.000000	11/12/2019	
21147	268943	100.000000	10/11/2019	
21147	268942	100.000000	09/13/2019	
21147	268941	100.000000	08/15/2019	
21147	268940	100.000000	07/12/2019	
21147	268939	100.000000	06/14/2019	

Metrics Definitions and Actual Results Table D.2 / D.3										
Metric ID	Metric Description	Unit of Measure	Performance Measurement Category Mapping	Agency Baseline Capability	2020 Target	2021 Target	Measurement Condition	Reporting Frequency	Agency Strategic Objective / Agency Priority Goal	Is Metric Retired?
					21147	268938	100.000000	01/10/2019		
					21147	244238	90.000000	05/17/2019		
					21147	244237	90.000000	04/22/2019		
					21147	244236	90.000000	03/15/2019		
					21147	244235	90.000000	02/15/2019		
					21147	244234	90.000000	12/19/2018		
					21147	244233	90.000000	11/20/2018		
					21147	244232	90.000000	10/16/2018		
					21147	233219	98.000000	09/14/2018		
					21147	233218	98.000000	02/14/2018		
					21147	233217	98.000000	03/16/2018		
					21147	233216	98.000000	04/12/2018		
					21147	233215	98.000000	05/11/2018		
					21147	233214	98.000000	06/14/2018		
					21147	233213	99.000000	07/16/2018		
					21147	233212	98.000000	08/14/2018		
					21147	211854	99.000000	11/15/2017		

Metrics Definitions and Actual Results Table D.2 / D.3										
Metric ID	Metric Description	Unit of Measure	Performance Measurement Category Mapping	Agency Baseline Capability	2020 Target	2021 Target	Measurement Condition	Reporting Frequency	Agency Strategic Objective / Agency Priority Goal	Is Metric Retired?
					21147	209868	99.000000	10/17/2017		
					21147	209867	98.000000	09/19/2017		
					21147	203778	98.000000	07/07/2017		
					21147	203777	98.000000	06/01/2017		
					21147	188868	98.000000	05/01/2017		
					21147	186777	99.000000	04/06/2017		
					21147	184666	99.000000	03/07/2017		
					21147	183271	98.000000	02/06/2017		
					21147	183270	98.000000	01/03/2017		
					21147	183269	98.000000	12/15/2016		
					21147	175699	100.000000	11/07/2016		
					21147	175698	100.000000	09/30/2016		
					21147	173752	100.000000	09/21/2016		
					21147	171383	100.000000	08/04/2016		
					21147	170005	98.000000	07/01/2016		
					21147	167305	98.000000	05/31/2016		
					21147	164929	100.000000	05/02/2016		

Metrics Definitions and Actual Results Table D.2 / D.3

Metric ID	Metric Description	Unit of Measure	Performance Measurement Category Mapping	Agency Baseline Capability	2020 Target	2021 Target	Measurement Condition	Reporting Frequency	Agency Strategic Objective / Agency Priority Goal	Is Metric Retired?
					21147	163229	100.000000	04/06/2016		
					21147	163228	100.000000	03/14/2016		
					21147	160512	100.000000	03/09/2016		
					21147	159069	100.000000	02/03/2016		
					21147	156151	100.000000	01/13/2016		
					21147	154146	100.000000	12/08/2015		
					21147	152718	100.000000	11/04/2015		
					21147	151371	100.000000	10/14/2015		
					21147	111035	0.000000	09/30/2014	contractor met target	
21145	Help Desk contractor performs within contract parameters	meets requirements	3 - Financial Performance	100.000000	100.000000	100.000000	Under target	Annual	005SO18287 : Protect agricultural health by preventing and mitigating the spread of agricultural pests and disease.	No
					Metric ID	Actual Result ID	Actual Result	Date of Actual Result	Comment	
					21145	268937	100.000000	10/11/2019		
					21145	244231	100.000000	10/16/2018		
					21145	209866	100.000000	10/17/2017		

Metrics Definitions and Actual Results Table D.2 / D.3

Metric ID	Metric Description	Unit of Measure	Performance Measurement Category Mapping	Agency Baseline Capability	2020 Target	2021 Target	Measurement Condition	Reporting Frequency	Agency Strategic Objective / Agency Priority Goal	Is Metric Retired?
1104	Number of compliants received on the application functionality.	Number	1 - Customer Satisfaction (Process Results)	5.000000	21145	175697	100.000000	09/30/2016		
					21145	151370	100.000000	10/14/2015		
					21145	111037	100.000000	09/30/2014	performance was within parameters	
					5.000000	5.000000	Under target	Quarterly	005SO18287 : Protect agricultural health by preventing and mitigating the spread of agricultural pests and disease.	No
					Metric ID	Actual Result ID	Actual Result	Date of Actual Result	Comment	
					1104	268936	0.000000	06/30/2020		
					1104	268935	0.000000	03/05/2020		
					1104	268934	1.000000	01/10/2020		
					1104	268933	0.000000	10/11/2019		
					1104	268932	1.000000	07/12/2019		
1104	268931	2.000000	01/10/2019							
1104	244230	4.000000	04/22/2019							
1104	244229	3.000000	10/16/2018							
1104	233211	2.000000	01/02/2018							

Metrics Definitions and Actual Results Table D.2 / D.3										
Metric ID	Metric Description	Unit of Measure	Performance Measurement Category Mapping	Agency Baseline Capability	2020 Target	2021 Target	Measurement Condition	Reporting Frequency	Agency Strategic Objective / Agency Priority Goal	Is Metric Retired?
					1104	233210	3.000000	04/12/2018		
					1104	233209	2.000000	07/16/2018		
					1104	209865	1.000000	10/17/2017		
					1104	186776	4.000000	04/06/2017		
					1104	183268	3.000000	01/03/2017		
					1104	175696	3.000000	09/30/2016		
					1104	170004	0.000000	07/01/2016		
					1104	163227	0.000000	04/06/2016		
					1104	156150	0.000000	01/13/2016		
					1104	151369	0.000000	10/14/2015		
					1104	148909	0.000000	08/04/2015		
					1104	141825	0.000000	06/12/2015		
					1104	141823	0.000000	05/01/2015	submittd in June 2015 because of change of cimar systems	
					1104	141821	0.000000	04/01/2015	submittd in June 2015 because of change of cimar systems	
					1104	128421	0.000000	03/02/2015	No functionality issues reported to help desk.	
					1104	125019	0.000000	02/10/2015	No customer complaints were received regarding system functionality.	
					1104	118265	0.000000	01/02/2015	No customer complaints were	

Metrics Definitions and Actual Results Table D.2 / D.3										
Metric ID	Metric Description	Unit of Measure	Performance Measurement Category Mapping	Agency Baseline Capability	2020 Target	2021 Target	Measurement Condition	Reporting Frequency	Agency Strategic Objective / Agency Priority Goal	Is Metric Retired?
									received regarding functionality	
					1104	116131	0.000000	12/12/2014	No customer complaints were received regarding functionality	
					1104	114133	0.000000	11/06/2014	no customer complaints were received regarding functionality	
					1104	111039	0.000000	10/03/2014	Under target, no functionality complaints received for this period.	
					1104	103665	1.000000	08/08/2014	under target, only 1 complaint was received, regarding NITC.	
					1104	103663	0.000000	09/09/2014	under target, no complaints received	
					1104	98241	0.000000	07/01/2014	No complaints about functionality received this month	
					1104	96111	0.000000	06/03/2014	under target, no complaints were received	
					1104	92389	0.000000	05/08/2014	under target, no complaints were received	
					1104	88673	0.000000	03/02/2014	under target, no complaints were received	
					1104	88671	0.000000	04/02/2014	under target, no complaints were received	
					1104	80489	0.000000	12/31/2013	Under Target. no complaints were received	
					1104	80487	0.000000	02/05/2014	Under target, no complaints were received	
					1104	77237	0.000000	01/08/2014	under target. no complaints were received.	
					1104	73321	1.000000	11/29/2013	under target. only 1 complaint was received	
					1104	70033	0.000000	10/31/2013	Under target. no complaints were received.	
					1104	64577	2.000000	08/30/2013	under target, less than 5 complaints received.	
					1104	61961	0.000000	07/31/2013	62 tickets received, 62 tickets	

Metrics Definitions and Actual Results Table D.2 / D.3

Metric ID	Metric Description	Unit of Measure	Performance Measurement Category Mapping	Agency Baseline Capability	2020 Target	2021 Target	Measurement Condition	Reporting Frequency	Agency Strategic Objective / Agency Priority Goal	Is Metric Retired?
1104										closed.
					1104	59462	0.000000	06/30/2013	Under Target.	
					1104	58027	3.000000	05/30/2013	Under Target.	
					1104	57251	0.000000	04/30/2013	Under Target. No complaints were received regarding the application functionality.	
					1104	51801	0.000000	02/28/2013	Under Target. No complaints were received regarding the application functionality.	
					1104	51799	0.000000	03/31/2013	Under Target. No complaints were received regarding the applicaiton functionality.	
					1104	45127	0.000000	01/31/2013	Under Target. No complaints were received regarding the application functionality.	
					1104	42261	0.000000	11/30/2012	Under Target. No complaints were received regarding the application functionality.	
					1104	42259	0.000000	12/31/2012	Under Target. No complaints were received regarding the application functionality.	
					1104	42131	0.000000	11/30/2012	Under Target. No complaints were received regarding the application functionality.	
					1104	42129	0.000000	12/31/2012	Under Target. No complaints were received regarding the application functionality.	
					1104	41965	0.000000	11/30/2012	Under Target. No complaints were received regarding the application functionality.	
					1104	41963	0.000000	12/31/2012	Under Target. No complaints were received regarding the application functionality.	
					1104	18475	4.000000			

Metrics Definitions and Actual Results Table D.2 / D.3

Metric ID	Metric Description	Unit of Measure	Performance Measurement Category Mapping	Agency Baseline Capability	2020 Target	2021 Target	Measurement Condition	Reporting Frequency	Agency Strategic Objective / Agency Priority Goal	Is Metric Retired?
					1104	18365	4.000000			
					1104	18259	4.000000			
					1104	15095	4.000000			
					1104	4399	4.000000			
1103	Percentage of application availability for use by the customer.	Percentage	1 - Customer Satisfaction (Process Results)	99.890000	99.000000	99.000000	Over target	Annual	005SO18287 : Protect agricultural health by preventing and mitigating the spread of agricultural pests and disease.	No
					Metric ID	Actual Result ID	Actual Result	Date of Actual Result	Comment	
					1103	268930	99.900000	10/11/2019		
					1103	244228	99.900000	10/16/2018		
					1103	209864	99.900000	10/17/2017		
					1103	175695	99.900000	09/30/2016		
					1103	151368	99.900000	10/14/2015		
					1103	111033	99.900000	09/30/2014	availability met target	
					1103	4397	99.900000			
1102	Average minutes to transition to	Number	1 - Customer Satisfaction	10.000000	10.000000	10.000000	Under target	Annual	005SO18287 : Protect	No

Metrics Definitions and Actual Results Table D.2 / D.3

Metric ID	Metric Description	Unit of Measure	Performance Measurement Category Mapping	Agency Baseline Capability	2020 Target	2021 Target	Measurement Condition	Reporting Frequency	Agency Strategic Objective / Agency Priority Goal	Is Metric Retired?
	next customer support tier.		(Process Results)						agricultural health by preventing and mitigating the spread of agricultural pests and disease.	
Metric ID	Actual Result ID	Actual Result	Date of Actual Result	Comment						
1102	268929	10.000000	10/11/2019							
1102	244227	8.000000	10/16/2018							
1102	209863	10.000000	10/17/2017							
1102	175694	8.000000	09/30/2016							
1102	151367	5.000000	10/14/2015							
1102	111031	10.000000	09/30/2014	customer transition was under target						
1102	14807	8.000000		Metric was first introduced in FY2012						
1102	14749	8.000000		Metric was first introduced in FY2012						
1102	14661	8.000000		Metric was first introduced in FY2012						
1102	4395	8.000000		Metric was first introduced in FY2012						
1101	Percentage of Server Availability for use	Percentage	1 - Customer Satisfaction (Process Results)	99.900000	99.000000	99.000000	Over target	Annual	005SO18287 : Protect agricultural health by preventing and mitigating the spread of agricultural pests and disease.	No

Page 18 / 20 of Business Case Date of Last Revision: 2021-08-25 Business Case (2022)

Metrics Definitions and Actual Results Table D.2 / D.3

Metric ID	Metric Description	Unit of Measure	Performance Measurement Category Mapping	Agency Baseline Capability	2020 Target	2021 Target	Measurement Condition	Reporting Frequency	Agency Strategic Objective / Agency Priority Goal	Is Metric Retired?
					1100	244225	98.000000	10/16/2018		
					1100	209861	99.000000	10/17/2017		
					1100	175692	99.000000	09/30/2016		
					1100	151365	100.000000	10/14/2015		
					1100	111027	98.000000	10/15/2014	registered premises met target	
					1100	4391	98.000000		targets and baselines in percent	
1099	Maintain number of systems integrated into the Animal Disease Traceability System	Number	2 - Strategic and Business Results	8.000000	8.000000	8.000000	Under target	Annual	005SO18287 : Protect agricultural health by preventing and mitigating the spread of agricultural pests and disease.	No
					Metric ID	Actual Result ID	Actual Result	Date of Actual Result	Comment	
					1099	268926	8.000000	10/11/2019		
					1099	244224	8.000000	10/16/2018		
					1099	209860	8.000000	10/17/2017		
					1099	175691	8.000000	09/30/2016		
					1099	151364	10.000000	10/14/2015		
					1099	111025	8.000000	09/30/2014	number of systems was maintained	

Metrics Definitions and Actual Results Table D.2 / D.3

Metric ID	Metric Description	Unit of Measure	Performance Measurement Category Mapping	Agency Baseline Capability	2020 Target	2021 Target	Measurement Condition	Reporting Frequency	Agency Strategic Objective / Agency Priority Goal	Is Metric Retired?
					1099	4389	8.000000			