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Business Case

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Section A: Investment Summary Information

Investment Name	Unique Investment Identifier
USPTO Trademarks Product Line	006-000805600

Investment Description

This investment currently maintains all Trademark legacy components across the product line and is in the process of developing modernized business and technical solutions to further improve the delivery of business value. Both internal and external stakeholders access the products across the product line to manage the Trademark application and examination process through the entire Trademark lifecycle, including filing, examination, appeals, search, international data exchange, fees, maintenance, and reporting. Some current product components are in containment or have been stabilized and scheduled for retirement once modernized solutions are placed in production.

Agency
Department of Commerce



Point of Contact
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Investment Type
Major IT Investments

Bureau
U.S. Patent and Trademark Office

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 ROI is as follows: - Increase the Quality of Examination Process - Increase Functionality Integration of Systems - Development and Modernization of Examination Systems - Stabilize tools and capabilities of legacy systems will allow critical business functions to continue, as they are essential for our business process and the reputation of the USPTO - Optimize pendency and examination timeframes; align production capacity with incoming workload, ensuring the highest level of quality for all work products - Address internal and external stakeholder experiences, priorities, and expectations related to examination time, quality, and application complexity - Ensure highest level of quality for all work products

Section C: Investment and Contracts

Public URLs

- <http://tsdr.uspto.gov/>
- <http://tmep.uspto.gov/>
- <https://tmog.uspto.gov>
- <https://tmidm.uspto.gov/>
- <http://teas.uspto.gov/forms/teasplus>
- <http://teas.uspto.gov/forms/bas/>
- <http://teasi.uspto.gov/>
- <https://ttab-reading-room.uspto.gov/efoia/efoia-ui/#/search/decisions>

Contracts

- [1333BJ20F00283002](#)
- [1333BJ21F00280021](#)
- [1333BJ20F00280021](#)
- [1333BJ19F00280065](#)
- [1333BJ20F00280010](#)
- [1333BJ21F00280024](#)
- [1333BJ21F00280022](#)
- [1333BJ21F00280023](#)
- [1333BJ21F00282021](#)
- [DOC44PAPT1611252](#)
- [1333BJ21F00280028](#)
- [1333BJ19F00012001](#)
- [1333BJ21F00280058](#)
- [1333BJ22F00281001](#)
- [1333BJ22F00280015](#)
- [1333BJ22F00282015](#)
- [1333BJ22F00002005](#)
- [1333BJ21F00282041](#)
- [1333BJ21P00281003](#)
- [1333BJ20P00280013](#)
- [1333BJ21F00282042](#)
- [1333BJ21C00280002](#)
- [1333BJ21F00280025](#)
- [1333BJ21F00184008](#)
- [1333BJ22F00282011](#)

Section D: Historic CIO Rating

CIO Rating	Date	Comments
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CIO Rating	Date	Comments
4	Jun 28, 2022	The Trademark Product Line investment continues to maintain all Trademark legacy components across the product line and is in the process of developing modernized business and technical solutions to further improve the delivery of business value. Notable Accomplishments: Trademark External: Completed grooming requirements for e-Sig enhancements. Deployed TM-eOG & TM-IDM related features to production environment. Trademark Exam Deployed TM Exam related features and defect fixes to production environment in May [TRADEUPS, Xsearch, TDSCM, FAST1, FAST2]. Trademark Content Management Services: Deployed CMS related enhancements (TM-COM, Synchronizer) to production environment. Trademark Trial and Appeals Board: Deploy TTBABIS and ESTTA related enhancements to production. Trademark Data and Analytics: Deployed TM Proceedings feature to production environment. Progressing with some reporting issues.
4	May 31, 2022	The Trademark Product Line investment continues to maintain all Trademark legacy components across the product line and is in the process of developing modernized business and technical solutions to further improve the delivery of business value. Notable Accomplishments: Trademark External: Successfully deployed the TEAS form to request paper registration certificate. Successfully deployed eOG & TSDR related features and defect fixes to production environment. Trademark Exam: Successfully deployed TM Exam related features and defect fixes to production environment. Trademark Content Management Services: Successfully deployed CMS related enhancements (Alfresco certificate updates, Synchronizer, Async services) to production environment. Trademark Trial and Appeals Board: Completed development activities in preparation for the May TTBABIS and ESTTA enhancements. Successfully deployed TTBABVUE enhancement to production. Progressing with some reporting issues.
4	Apr 27, 2022	The Trademark Product Line investment continues to maintain all Trademark legacy components across the product line and is in the process of developing modernized business and technical solutions to further improve the delivery of business value. Notable Accomplishments: Trademark External: Completed development activities for the paper registration certificate. Trademark Exam: Successfully deployed TM Exam related features [Office action editor, Xsearch, Notes, TM, Viewer, TMA Expungement/Reexamination(E/R)] to production environment. Trademark Content Management Services: Successfully deployed CMS related enhancements [Abstraction Layer, TM-COM services, TEAS PDF documents] and bug fixes to production environment. Trademark Trial and Appeals Board: Replacement of SQL dependencies for application mark and correspondence information with TM-COM data services to remove the dependency on TRAM. Progressing with some reporting issues.
4	Mar 29, 2022	The Trademark Product Line investment continues to maintain all Trademark legacy components across the product line and is in the process of developing modernized business and technical solutions to further improve the delivery of business value. Notable Accomplishments: Trademark External: Successfully deployed TMA supplemental 2 changes and bug fixes to production. Successfully deployed eOG/IDM Health Check feature to production environment. Successfully deployed TSDR & TESS related features to production environment. Trademark Exam: Successfully deployed FAST1 related features (Phase 1). Trademark Content Management Services: Successfully deployed CMS related enhancements to production environment. Trademark Trial and Appeals Board: Completed development activities of Notice of Office Opposer (NOO) Related Proceedings page. Replacement of SQL dependencies for application mark and correspondence information with TM-COM data services. Progressing with some reporting issues.
4	Feb 25, 2022	The Trademark Product Line investment continues to maintain all Trademark legacy components across the product line and is in the process of developing modernized business and technical solutions to further improve the delivery of business value. Notable Accomplishments: Successfully deployed TMA supplemental changes to Production. Successfully deployed ID Proofing Login Phase 2c1 related enhancements to production. Successfully deployed TSDR related features to production environment. Successfully deployed TECLO related features to production environment. Successfully deployed TMA. Successfully deployed TTBABIS and ESSTA TMA supplemental changes to Production. Completed the Kerberos, Ranger and Knox installations in Cloudera FQT and Production environments. Progressing with some reporting issues.
4	Jan 27, 2022	The Trademark Product Line investment continues to maintain all Trademark legacy components across the product line and is in the process of developing modernized business and technical solutions to further improve the delivery of business value. Accomplishments: Trademark External: Deployed Trademark Modernization Act (TMA) changes to Production. Deployed eOG related features to production environment. Trademark Exam: Deployed Trademark Modernization Act (TMA) changes to Production. Deployed FPEP application with AWS credentials on the cloud environment. Trademark Content Management Services: Deployed TTBAB NARA document bundle enhancements, OpenJDK upgrades, and fixes to Data Migration module. Deployed Trademark Modernization Act (TMA) changes to Production. Trademark Trial and Appeals Board: Development of NOO Pleaded Mark Page--Registered not Unregistered Common Law. Deployed Trademark Modernization Act (TMA) changes to Production.
4	Nov 30, 2021	The Trademark Product Line investment continues to maintain all Trademark legacy components across the product line and is in the process of developing modernized business and technical solutions to further improve the delivery of business value. Accomplishments: Implemented enhancements to office action templates and responses (TRIO, Notice of Termination (Accepted); RFR Denied for petitions with or without appeal). Continued development activities for the Trademark Modernization Act (TMA) changes. Continued development activities for the Trademark Modernization Act (TMA) changes. Deployed PDF to JPEG conversion capability to the production environment. Performed End to End UAT Testing for modifications to the Notice of Appeal form, Petition for Cancellation form, Answer and Counterclaim form, and Notice of Opposition form for the Trademark Modernization Act). Performed End-to-end UAT activities for Trademark Modernization Act (TMA) updates. Deployed TRAM production deployment of Madrid literal updates for Madrid History label.
4	Oct 27, 2021	This investment continues to maintain all Trademark legacy components across the product line and is in the process of developing modernized business and technical solutions to further improve the delivery of business value. USPTO is continuing to invest in the modernization and stabilization of all Trademark systems to ensure Trademark operations can continue to meet its performance goals. FY2021 Top Value Deliveries - Supported implementation of the mandated TEAS and TTBAB fee rule changes. Completed the stabilization for the legacy systems FAST1, FAST2, TTBABIS, ESTTA, and TTBABVUE. Developed a modernized TTBAB Center homepage. Completed infrastructure updates to decommission all the 2003 and 2008 Windows servers. Soft launched of the Trademark Examination tool that provides all examining attorneys the full functionality of TM Exam or end to end examination.
4	Sep 29, 2021	This investment continues to maintain all Trademark legacy components across the product line and is in the process of developing modernized business and technical solutions to further improve the delivery of business value. USPTO is continuing to invest in the modernization and stabilization of all Trademark systems to ensure Trademark operations can continue to meet its performance goals. Trademark External: Completed development for Login Phase 2b release which also includes the new TEAS form for paper registration certificate request. Successfully deployed OS patches to Production servers (TM-IDM, and TM-eOG). Trademark Exam: Successfully deployed TMNG Enhancements to Production environment. Trademark Content Management Services: Continued development activities for TEAS integration with PDF2 Image conversion services. Trademark Data and Analytics: Completed retirement & decommissioning activities for TM TIS-Reporting on August 8th.

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	33.63442	40.954122	41.869182
O&M Costs	20.283575	14.379557	14.868994
Total	53.917995	55.333679	56.738176

Table 2: Distribution by Cost Pools			
Cost Pools	PY 2021	CY 2022	BY 2023
Internal Labor	9.253053	10.618829	12.325576
External Labor	43.256702	42.33985	42.0376
Outside Services	0	0	0
Hardware	0	0	0
Software	1.40824	2.375	2.375
Facilities & Power	0	0	0
Telecom	0	0	0
Other	0	0	0
Internal Services	0	0	0
Totals	53.917995	55.333679	56.738176

Cost Pools

Cost in millions (M)

Table 3: Distribution by IT Towers			
IT Tower	PY 2021	CY 2022	BY 2023
Security & Compliance	0	0	0
IT Management	0	0	0
Network	0	0	0
Data	0	0	0
Compute	0	0	0
Storage	0	0.57145	0.56
End User	0	0	0
Output	0	0	0
Application	26.69463	32.99	32.625
Delivery	6.332168	7.901112	9.137195
Platform	20.891197	13.871117	14.415981
Data Center	0	0	0
Totals	53.917995	55.333679	56.738176

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)
FY21 Trademark International Maintenance and Enhancements	220421	Complete	1.2	-35	2020-10-01	2021-09-30	0	0

Project Name	Project UID	Status	Project Life Cycle Cost (\$M)	Cost Variance (%)	Start Date	End Date	Schedule Variance (%)	Schedule Variance (Days)
FY21 Trademark Content Management Services Maintenance and Enhancements	220721	Complete	1	-640	2020-10-01	2021-09-30	0	0
FY22 Trademark Exam Maintenance and Enhancements	220322	In Progress	8.48	-3.6	2021-10-01	2022-09-30	0	0
FY21 Trademark Exam Maintenance and Enhancements	220321	Complete	2.29	-140	2020-10-01	2021-09-30	0	0
FY22 Trademark International Maintenance and Enhancements	220422	In Progress	4	32	2021-10-01	2022-09-30	0	0
FY21 Trademark Trial and Appeal Board Maintenance and Enhancements	220521	Complete	1.8	5.8	2020-10-01	2021-09-30	0	0
FY22 Trademark External Maintenance and Enhancements	220122	In Progress	7.5	-20	2021-10-01	2022-09-30	0	0
FY21 Trademark External Maintenance and Enhancements	220121	Complete	6.49	-9	2020-10-01	2021-09-30	0	0
FY22 Trademark Trial and Appeal Board Maintenance and Enhancements	220522	In Progress	4.21	13	2021-10-01	2022-09-30	0	0
FY21 Trademark Data and Analytics Maintenance and Enhancements	220621	Complete	1.7	35	2020-10-01	2021-09-30	0	0
FY22 Trademark Content Management Services Maintenance and Enhancements	220722	In Progress	12.57	13	2021-10-01	2022-09-30	0	0
FY22 Trademark Data and Analytics Maintenance and Enhancements	220622	In Progress	5.93	50	2021-10-01	2022-09-30	0	0

Low

Medium

High

Table 2: Activity Details

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)
220421	Release 1	Production Release for Trademark Exam International Maintenance and Enhancements for Release 1	2020-10-01	2020-10-01	2020-10-01	2020-12-31	2020-12-31	2021-01-05	0.3	0.3	0.56
220421	Release 2	Production Release for Trademark Exam International Maintenance and Enhancements for Release 2	2021-01-01	2021-01-01	2021-01-06	2021-03-31	2021-03-31	2021-03-31	0.3	0.3	0.47
220421	Release 3	Production Release for Trademark Exam International Maintenance and Enhancements for Release 3	2021-04-01	2021-04-01	2021-04-01	2021-06-30	2021-06-30	2021-06-30	0.3	0.3	0.33
220421	Release 4	Production Release for Trademark Exam International Maintenance and Enhancements	2021-07-01	2021-07-01	2021-07-01	2021-09-30	2021-09-30	2021-09-30	0.3	0.342173	0.26
220721	Release 1	Production Release for Trademark Center Management Services Maintenance and Enhancements for Release 1	2020-10-01	2020-10-01	2020-10-01	2020-12-31	2020-12-31	2021-01-05	0.25	0.25	1.26
220721	Release 2	Production Release for Trademark Center Management Services Maintenance and Enhancements for Release 2	2021-01-01	2021-01-01	2021-01-06	2021-03-31	2021-03-31	2021-03-31	0.25	0.364683	1.68

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)
220721	Release 3	Production Release for Trademark Center Management Services Maintenance and Enhancements for Release 3	2021-04-01	2021-04-01	2021-04-01	2021-06-30	2021-06-30	2021-06-30	0.25	0.25001	2.45
220721	Release 4	Production Release for Trademark Center Management Services Maintenance and Enhancements for Release 4	2021-07-01	2021-07-01	2021-07-01	2021-09-30	2021-09-30	2021-09-30	0.25	0.402183	2.03
220322	Release 1	Legacy O&M; Completion of TMA MVP; Begin TRAM Replacement; ASAP enhancements; Transition to OKTA; EXAM Enhancements/support; Angular Refresh; NG modules cloud migration	2021-10-01	2021-10-01	2021-10-01	2021-12-31	2021-12-31	2021-12-31	2.12	2.119507	2.56
220322	Release 2	Legacy O&M; Completion TMA post MVP; TRAM Replacement; Transition to OKTA; Begin Petition LOP NG Capabilities; EXAM Enhancements/support; Angular Refresh; Cloud migration; NG modules cloud migration	2022-01-01	2022-01-01	2022-01-01	2022-03-31	2022-03-31	2022-03-31	2.12	2.119507	1.99
220322	Release 3	Legacy O&M; TRAM replacement; Petition LOP NG capabilities; Transition to OKTA; EXAM Enhancements/support; Angular Refresh; NG modules cloud migration	2022-04-01	2022-04-01	2022-04-01	2022-06-30	2022-06-30		2.12	2.119507	2.69
220322	Release 4	Legacy O&M; TRAM Replacement; Petition NG Capabilities; Begin Post-Registration NG Capabilities; Angular Refresh;	2022-07-01	2022-07-01		2022-09-30	2022-09-30		2.12	2.119507	0
220321	Release 1	Production Release for Trademark Exam Center Maintenance and Enhancements for Release 1	2020-10-01	2020-10-01	2020-10-01	2020-12-31	2020-12-31	2021-01-05	0.57	0.5725	1.3
220321	Release 2	Production Release for Trademark Exam Center Maintenance and Enhancements for Release 2	2021-01-01	2021-01-01	2021-01-06	2021-03-31	2021-03-31	2021-03-31	0.57	0.472493	1.34
220321	Release 3	Production Release for Trademark Exam Center Maintenance and Enhancements for Release 3	2021-04-01	2021-04-01	2021-04-01	2021-06-30	2021-06-30	2021-06-30	0.57	0.5725	1.58
220321	Release 4	Production Release for Trademark Exam Center Maintenance and Enhancements for Release 4	2021-07-01	2021-07-01	2021-07-01	2021-09-30	2021-09-30	2021-09-30	0.57	3.604476	1.35

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)
220422	Release 1	Completion of Trademark Modernization Act; Cloud New Product Development — TRANEN	2021-10-01	2021-10-01	2021-10-01	2021-12-31	2021-12-31	2021-12-31	1	1	0.49
220422	Release 2	Cloud New Product Development — Complete US Origin Applications	2022-01-01	2022-01-01	2022-01-01	2022-03-31	2022-03-31	2022-03-31	1	1	0.23
220422	Release 3	Cloud New Product Development — 66a Applications	2022-04-01	2022-04-01	2022-04-01	2022-06-30	2022-06-30		1	1	0.21
220422	Release 4	Cloud New Product Development — MCRP and continue on 66a	2022-07-01	2022-07-01		2022-09-30	2022-09-30		1	1	0
220521	Release 1	Production Release of Trademark Trial and Appeal Board Maintenance and Enhancements for Release 1	2020-10-01	2020-10-01	2020-10-01	2020-12-31	2020-12-31	2021-01-05	0.45	0.45	0.41
220521	Release 2	Production Release of Trademark Trial and Appeal Board Maintenance and Enhancements for Release 2	2021-01-01	2021-01-01	2021-01-06	2021-03-31	2021-03-31	2021-03-31	0.45	0.45	0.34
220521	Release 3	Production Release of Trademark Trial and Appeal Board Maintenance and Enhancements for Release 3	2021-04-01	2021-04-01	2021-04-01	2021-06-30	2021-06-30	2021-06-30	0.45	0.45001	0.41
220521	Release 4	Production Release of Trademark Trial and Appeal Board Maintenance and Enhancements for Release 4	2021-07-01	2021-07-01	2021-07-01	2021-09-30	2021-09-30	2021-09-30	0.45	0.46405	0.53
220122	Release 1	Implementation of the Trademark Modernization Act	2021-10-01	2021-10-01	2021-10-01	2021-12-31	2021-12-31	2021-12-31	1.88	1.875	2.27
220122	Release 2	Okta integration; Last Updated Date API deployment	2022-01-01	2022-01-01	2022-01-01	2022-03-31	2022-03-31	2022-03-31	1.88	1.875	2.96
220122	Release 3	TESS replacement beta testing; eOG enhancements	2022-04-01	2022-04-01	2022-04-01	2022-06-30	2022-06-30		1.88	1.875	3.34
220122	Release 4	EFile initial application form release	2022-07-01	2022-07-01		2022-09-30	2022-09-30		1.88	1.875	0
220121	Release 2	Production Release for Trademark Center Maintenance and Enhancements for Release 2	2021-01-01	2021-01-01	2021-01-06	2021-03-31	2021-03-31	2021-03-31	1.62	1.62125	1.97
220121	FY21Q1-TM Center Operations and Maintenance	Production Release for Trademark Center Maintenance and Enhancements for Release 1	2020-10-01	2020-10-01	2020-10-01	2020-12-31	2020-12-31	2021-01-05	1.62	1.025	2.12
220121	Release 3	Production Release for Trademark Center Maintenance and Enhancements for Release 3	2021-04-01	2021-04-01	2021-04-01	2021-06-30	2021-06-30	2021-06-30	1.62	1.12499	2.01

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)
220121	Release 4	Production Release for Trademark Center Maintenance and Enhancements for Release 4	2021-07-01	2021-07-01	2021-07-01	2021-09-30	2021-09-30	2021-09-30	1.62	1.480735	0.97
220522	Release 1	Implementation of Trademark Modernization Act; Begin TRAM replacement; Notice of Opposition form	2021-10-01	2021-10-01	2021-10-01	2021-12-31	2021-12-31	2021-12-31	1.05	1.0525	1
220522	Release 2	TRAM replacement; Notice of Opposition form	2022-01-01	2022-01-01	2022-01-01	2022-03-31	2022-03-31	2022-03-31	1.05	1.052	0.57
220522	Release 3	TRAM replacement; Development of Notice of Opposition form	2022-04-01	2022-04-01	2022-04-01	2022-06-30	2022-06-30		1.05	1.052	0.98
220522	Release 4	TRAM replacement; Completion of Notice of Opposition form	2022-07-01	2022-07-01		2022-09-30	2022-09-30		1.05	1.052	0
220621	Release 1	Production Release for Trademark Data and Analytics Maintenance and Enhancements for Release 1	2020-10-01	2020-10-01	2020-10-01	2020-12-31	2020-12-31	2021-01-05	0.43	0.425	0.35
220621	Release 3	Production Release for Trademark Data and Analytics Maintenance and Enhancements for Release 3	2021-04-01	2021-04-01	2021-04-01	2021-06-30	2021-06-30	2021-06-30	0.43	0.42501	0.45
220621	Release 2	Production Release for Trademark Data and Analytics Maintenance and Enhancements for Release 2	2021-01-01	2021-01-01	2021-01-06	2021-03-31	2021-03-31	2021-03-31	0.43	0.485325	0.3
220621	Release 4	Production Release for Trademark Data and Analytics Maintenance and Enhancements for Release 4	2021-07-01	2021-07-01	2021-07-01	2021-09-30	2021-09-30	2021-09-30	0.43	0.639813	0
220722	Release 1	Implementation of Trademark Modernization Act (TMA) MVP; Begin TRAM Replacement work ; Start transition CMS, AL to support blue/green; Analyze work for Zero Trust Arch(ZTA); ATO - Security and Compliance Service Intake for Trademark CMS	2021-10-01	2021-10-01	2021-10-01	2021-12-31	2021-12-31	2021-12-31	3.14	3.141983	2.2
220722	Release 2	Continue with TMA post MVP; Begin to implement ZTA; Continue TRAM Replacement; CMS and TICRS O&M ; Cloud Solution for CMS	2022-01-01	2022-01-01	2022-01-01	2022-03-31	2022-03-31	2022-03-31	3.14	3.141983	2.44
220722	Release 3	CMS and TICRS O&M; Cloud Solution for CMS; Continue work on ZTA	2022-04-01	2022-04-01	2022-04-01	2022-06-30	2022-06-30		3.14	3.141983	3.08
220722	Release 4	CMS and TICRS O&M; Cloud Solution for CMS; Implement ZTA	2022-07-01	2022-07-01		2022-09-30	2022-09-30		3.14	3.141983	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)
220622	Release 1	Transactional data ingestion (TRAM/TRM); Trademark Modernization Act (TMA) report development and deployment; Design Code AI production deployment and refinement; TAC Chatbot development and testing; TRAM replacement planning	2021-10-01	2021-10-01	2021-10-01	2021-12-31	2021-12-31	2021-12-31	1.48	1.48125	0
220622	Release 2	Examiner Performance Tool (EPT) deployed to production; Transactional data ingestion (TRAM/TRM); TMA Reporting - Enhancement; TAC Chatbot testing and deployment (internal); Image Search AI software deployment and integration; TRAM replacement	2022-01-01	2022-01-01	2022-01-01	2022-03-31	2022-03-31	2022-03-31	1.48	1.48125	0
220622	Release 3	EPT enhancement - data quality and reporting Transactional data ingestion (FAST/TM-EXAM); Law Office Manager's Quality Review production deployment; Image Search AI software deployment and integration; TRAM replacement.	2022-04-01	2022-04-01	2022-04-01	2022-06-30	2022-06-30		1.48	1.48125	0
220622	Release 4	Transactional data ingestion (TTAB); EPT enhancement; Image Search AI software deployment and integration; TRAM replacement.	2022-07-01	2022-07-01		2022-09-30	2022-09-30		1.48	1.48125	0

Table 3: Project Related Details
<div><div>FY21 Trademark International Maintenance and Enhancements</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>Weeks</div><div>3. Please describe the iterative development methodology being employed. (500 characters or less)</div><div>Agile methodology</div></div></div> <div><div>FY21 Trademark Content Management Services Maintenance and Enhancements</div><div><div>1. Are information technology investments adequately implementing incremental development methodology? (Y/N)</div><div>Yes</div></div></div>

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

Weeks

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

Agile methodology and DevSecOps

FY22 Trademark Exam Maintenance and Enhancements

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)

Weeks

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

Agile methodology and DevSecOps

FY21 Trademark Exam Maintenance and Enhancements

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)

Weeks

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

Agile methodology and DevSecOps

FY22 Trademark International Maintenance and Enhancements

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)

Weeks

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

Agile methodology

FY21 Trademark Trial and Appeal Board Maintenance and Enhancements

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)

Weeks

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

Agile methodology and DevSecOps

FY22 Trademark External Maintenance and Enhancements

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)
Weeks
 3. Please describe the iterative development methodology being employed. (500 characters or less)
Agile methodology and DevSecOps
-

FY21 Trademark External Maintenance and Enhancements

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)
Weeks
 3. Please describe the iterative development methodology being employed. (500 characters or less)
Agile methodology and DevSecOps
-

FY22 Trademark Trial and Appeal Board Maintenance and Enhancements

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)
Weeks
 3. Please describe the iterative development methodology being employed. (500 characters or less)
Agile methodology and DevSecOps
-

FY21 Trademark Data and Analytics Maintenance and Enhancements

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

FY22 Trademark Content Management Services Maintenance and Enhancements

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)

Weeks

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

Agile methodology and DevSevOps

FY22 Trademark Data and Analytics Maintenance and Enhancements

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)

Weeks

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

Agile methodology

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