

Use Case ID	Use Case Name	Bureau/Component	Stage of Development	Use Case Topic Area	AI Classification	What problem is the AI intended to solve?	Expected Benefit
PBGC - 01	Synthetic Data Generation	ITIOD/OGC Privacy	a) Pre-deployment – The use case is in a development or acquisition status.	Information Technology	Generative AI	Automation, Content Creation Addressing the need to test systems using non-production data	Efficient creation of test data that closely mimics production data, while protecting PII/CUI/etc. (scheduled and/or on-demand), to increase speed and accuracy of system testing
PBGC - 02	IT Security Monitoring	ITIOD - Security Operations	c) Deployed – The use case is being actively authorized or utilized to support the functions or mission of an agency.	Cybersecurity	Generative AI	Automation, Data Analysis Safeguarding PBGC data and content	Machine Learning capabilities to enhance IT Security monitoring to protect PBGC assets, people, and data.
PBGC - 03	Intelligent, auto-generated meeting summaries, notes, and tasks	PBGC Enterprise	a) Pre-deployment – The use case is in a development or acquisition status.	Information Technology	Generative AI	Automation, Content Generation Meeting and task documentation, post meeting analysis, decision tracking, etc. are manual administrative actions that may take time and resources away from focusing on higher benefit activities.	Automatic, auto-generated information and actions to provide benefit to the personnel in realizing time savings, instant accessibility to summary information, and many additional productivity gains.
PBGC - 04	AI-Assisted Training Development	OMA / QMD / LDD	a) Pre-deployment – The use case is in a development or acquisition status.	Human Resources	Generative AI	Content Generation Content (text, audio, image/graphic) generation is a manual activities.	AI-Assisted training/instructional design creation to boost productivity, reduce training development time, and improve effectiveness and efficiencies of training deployment.
PBGC - 05	AI-Assisted Contracting Content/Document Creation	OMA/Procurement Dept.	a) Pre-deployment – The use case is in a development or acquisition status.	Procurement & Financial Management	Generative AI	Automation, Content Generation Federal contracting/procurement can be an arduous and time-consuming task.	AI-Assisted contract/acquisition document drafting to save time, resource, and provide better alignment to Agency policies, FAR, etc.

PBGC - 06	AI-Assisted Recognition and Redaction for Legal/Litigation Matters	OGC/GLOD	a) Pre-deployment – The use case is in a development or acquisition status.	Law Enforcement	Generative AI	Automation, Data Analysis Manual review and redaction of audio and images can be labor intensive and potentially error prone.	AI-Assisted review of audio, image, video, etc. to aid identification of personnel identifiable information (PII) in efforts to provide ethical, privacy protected evidence/information that is searchable and review-ready of legal personnel.
PBGC -07	IT Service Management Virtual Agent and Automation	ITIOD/Enterprise	a) Pre-deployment – The use case is in a development or acquisition status.	Information Technology	Generative AI	Automation, Content Generation Information Technology (IT) incident management is a continuous and at times repetitive, resource-consuming task.	Automation of routine tasks/IT incident response, providing expanded self service, and provided enhanced data-driven support in efforts to focus human agents to address more complex issues, provide more efficient IT support, enhancing overall productivity and satisfaction, and to provide a more streamline IT incident management capability resulting in potential cost savings/avoidance.
PBGC - 08	AI-Powered General Productivity	Enterprise	a) Pre-deployment – The use case is in a development or acquisition status.	Information Technology	Generative AI	Research, Automation, Content Generation Manual processes, research, data analysis, etc. can be inefficient and time consuming, resulting in resource suboptimization and productivity losses.	Automation of routine tasks, deeper more effective research, more in-depth and efficient data and information analysis, and support of content creation – to enhance overall productivity, freeing up personnel to address more meaningful, critical work.

PBGC - 09	Pension Plan Summary Report Assistance	OBA	a) Pre-deployment – The use case is in a development or acquisition status.	Government Benefits Processing	Generative AI	Automation, Research, Data Analysis Complex, cumbersome, and often labor intensive/long time duration to evaluate large documents and data stores	Summarization of Pension Plan information to serve as a context for summary report drafting. Recognition, potential conversion of unstructured data into machine readable data, evaluation/calculation, etc. of Pension Plan Data.
PBGC - 10	Federal Accounting Statutes and Guidelines Alignment	OCFO	a) Pre-deployment – The use case is in a development or acquisition status.	Procurement & Financial Management	Generative AI	Research, Data Analysis Alignment to Federal Executive Orders, Memorandums, Guidelines etc. to PBGC policies can be intricate, multi-faceted, and may need many sources at once to fully address Federal Financial Management requirements.	Dynamic, efficient evaluation resulting in summary information for PBGC CFO-Federal Staff to quickly and effectively address updates to Federal guidelines.
PBGC - 11	IT Security and Privacy Control Assessment	OIT/Privacy	a) Pre-deployment – The use case is in a development or acquisition status.	Cybersecurity	Generative AI	Research, Data Analysis, Content Creation Referencing Federal Cybersecurity and Privacy guidelines, evaluation of controls, interruption of supporting evidence, and generation of meaning outputs is a constant/fluid initiative that requires substantial resource allocation and time.	Increase volume of control assessment, reduce manual labor, automate findings generation in efforts – to reduce control tailoring process time, reduce control implementation time, automate selection of application controls, and support rapid drafting of implementation statements.
PBGC -12	Position Description Analysis and Consolidation	OMA/HRD	a) Pre-deployment – The use case is in a development or acquisition status.	Human Resources	Generative AI	Research, Data Analysis Repository of current Position Descriptions may have redundant and/or overly specific distinctions of various positions.	Potential reduction of total number of Position Descriptions to better organize and accomplish workforce management and allocation.

PBGC -13	Analysis of Plan Benefits for Standard Terminations	ONR	a) Pre-deployment – The use case is in a development or acquisition status.	Government Benefits Processing	Generative AI	Research, Data Analysis Complex and often intricate plan benefits review and analysis.	Analysis of pension plan documentation for liability and standard termination preparation.
PBGC - 14	Legislative and Regulatory Analysis / Automation (Actuarial/Financial)	OPEA / PRAD	a) Pre-deployment – The use case is in a development or acquisition status.	Procurement & Financial Management	Generative AI	Automation, Research, Data Analysis Collection, review, and evaluation of large unstructured data stores/sources	More automated review/evaluation of unstructured data, allowing for augmented technology and human analysis, and aid in the generate of actuarial/financial projections and reports
PBGC - 15	Legislative and Regulatory Analysis / Automation (Actuarial/Financial)	OPEA / PRAD	a) Pre-deployment – The use case is in a development or acquisition status.	Information Technology	Generative AI	Coding Complex code management	Projection modeling code creation, enhancement, and management; to potentially increase speed and accuracy of stochastic modeling
PBGC - 016	Media Content Generation	OPEA / COLAD	a) Pre-deployment – The use case is in a development or acquisition status.	Service Delivery	Generative AI	Content Creation Media Content ideation and drafting can be labor intensive	Generation of draft news releases, talking points, speeches, testimony, articles, photo captions and headlines Generation of images, videos, music, stock photos, and infographics for campaigns, stories, events, and articles To better serve and inform internal and external audiences

PBGC - 017	AI-Assisted Market Financial Health and Credit Analysis	ONR	c) Deployed – The use case is being actively authorized or utilized to support the functions or mission of an agency.	Procurement & Financial Management	Generative AI	Research, Content Generation Monitoring and documenting the financial health and credit ratings of thousands of distressed companies is a complex and information-dense analysis process.	AI-Assisted financial health and credit analysis; to include the extraction of key insights from relevant articles, earnings reports, contractual/covenant analysis, and even private credit content to improve discovery, provide more robust information/research, and improve the productivity of financial analysts.
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AI Use Case	Commercial Examples	Agency Use (Y/N)?	Name of Commercial Product or Service Used	Estimated # of Licenses/Users
Scheduling internal-to-government meetings or appointments or setting reminders using AI.	Calendly, Reclaim.AI	N		
Logging and analyzing time spent on tasks using AI-powered time management tools.	Timely, Asana	N		
Transcribing, summarizing, or other efforts that improve the accessibility of a virtual meeting or interview using AI.	Otter.ai, Evernote, Fireflies	Y	Microsoft Teams Premium (with intelligent meeting recap)	101-1000
Prioritizing and categorizing incoming emails using AI.	SaneBox, OpenPaas	N		
Editing images, videos, or other public affairs materials using AI.	Adobe Firefly, Instagram Edits	N		
Scheduling and managing social media posts using AI.	ContentStudio, Sprout Social	N		
Generating first drafts of documents, briefing, or communication materials using AI.	ChatGPT, Gemini	Y	Microsoft Copilot	1001-5000
Improving the quality of written communications using AI tools.	Grammarly, ProWritingAid	N		
Summarizing the key points of a lengthy report using AI.	ChatGPT, Perplexity	Y	Microsoft Copilot	1-100
Creating visual representations of data sets for reports or presentations using AI.	Tableau Agent, Julius AI	N		
Using AI-assisted tools in word processors.	Grammarly, Microsoft Copilot	N		
Generating code using AI.	Poolside, GitHub Copilot	N		
Searching for agency information using a knowledge retrieval system.	ChatGPT, Gemini	N		
Identifying and cataloging items in a storage room using AI-driven image recognition.	Google Lens	N		
Managing or implementing security controls for information systems (e.g., cybersecurity) using AI	Crowdstrike Falcon, Microsoft Defender	Y	Zscaler	1-100
Managing and prioritizing internal service or help desk tickets using AI.	Supportbench, ServiceDesk Plus	Y	ServiceNow (Now Assist)	101-1000
Curating news articles and updates based on user preferences using AI.	MediaViz AI, Google News Brief	N		
Planning travel routes using AI-driven map applications.	Google Maps, Apple Maps	Y	Native map applications on mobile devices	101-1000
Finding and booking travel accommodations using AI powered platforms.	SAP Concur, Navan	N		
Unlocking smartphones or other devices without the need for passwords or PINs using AI-based facial recognition technology.	Apple iPhone, Google Pixel	N		