

Appendix: G7 AI for Prosperity Use Cases

Multinational Union	Country	State/Subdivision	Department	Name/Type	Purpose	Link or Source
	UK	All	Science, Innovation, and Technology	Incubator AI Tool (i.AI)	Cross governmental AI tool to manage data, read documents, transcribe notes, and assist with other administrative tasks	https://ai.gov.uk/
	UK	All	Revenue and Customs	Robotic Process Automation	Used to process pension claims and improve efficiency of the department	https://documents1.worldbank.org/curated/en/74672161604533426/pdf/Artificial-Intelligence-in-the-Public-Sector-Summary-Note.pdf
	UK	All	Education	Aiia	AI service publicly available to assist teachers with lesson plans	https://www.gov.uk/government/publications/generative-artificial-intelligence-in-education/generative-artificial-intelligence-ai-in-education
	UK	All	Defense	Various LLMs	Used to assist with strategy within the department and to predict and hypothesize outcomes domestically and from international actors	https://assets.publishing.service.gov.uk/media/65bb75fa21f73f0014e0ba51/Defence_AI_Playbook.pdf
	UK	All	Science, Innovation, and Technology	UK Government app	Uses generative AI to create an app for citizens offering digital government services and reminding them of deadlines (e.g. voter registration, taxes)	https://www.gov.uk/government/organisations/government-digital-service
	USA	All	Homeland Security & Immigration and Customs Enforcement	RelativityOne & Intelligent Document Processing for Workflow Automation	Used to read and review legal documents	https://www.relativity.com/relativity/assets/pdf/relativity-fact-sheet.pdf
	USA	All	Homeland Security	Consular Consolidated Database (CCD)	Facial recognition technology used to verify an individual's identity when applying for a visa	https://www.dhs.gov/ai/use-case-inventory/dhs-enterprise
	USA	All	Citizenship and Immigration Services	ELIS Evidence Classifier Machine Learning; A-Number Management Model offering Identity Match Options and Intelligent Document Processing	Used to more efficiently organize documents and information relating to identities of immigrants registered under CIS	https://www.dhs.gov/ai/use-case-inventory/uscis#deployed
	USA	All	Citizenship and Immigration Services	Deduplication Model, Text Analytics Sentence Similarity Model, Automated Name and DOB Harvesting, and IDENT Facial Recognition	Used to prevent fraud and identify theft and to insure that information in the database is accurate	https://www.dhs.gov/ai/use-case-inventory/uscis#deployed
	USA	All	Citizenship and Immigration Services	Various LLMs and AI Chatbots (unnamed)	Used to train Refugee, Asylum, and International Operations (RAIO) officers based on specific needs and prior experience	https://www.dhs.gov/ai/use-case-inventory/uscis#deployed
	USA	All	Coast Guard (DHS)	Adaptive Risk Model for Inspected Small Passenger Vessels	Used to quantify a vessel's risk into a singular score based on whether it meets safety criteria. This score will impact the level of inspection the vessel must endure	https://www.dhs.gov/ai/use-case-inventory/uscg
	USA	All	Customs and Border Protection	Entity Resolution & Advance Trade Analytics Program	Analyze trade data over multiple languages and employ pattern recognition	https://www.dhs.gov/ai/use-case-inventory/cbp
	USA	All	Customs and Border Protection	Autonomous Surveillance Tower and Automated Item of Interest Detection, Non-Intrusive Inspection 3D Imaging Tool, Airship Outpost for Cross Border Conveyance Identification, Unified Processing, Passive Body Scammer, Passenger Security Assessment Model, and Semi-Supervised Traveler Identity Verification Services	Used to detect people/animals and vehicles crossing the border and to identify mail and smaller objects of interest	https://www.dhs.gov/ai/use-case-inventory/cbp
	USA	All	Customs and Border Protection	Aircraft Landing Location Predictor & Unmanned Aircraft Collision Avoidance	Machine learning used to predict aircraft landing based on previous flight trends to prevent aircrafts from colliding into structures on land via visual alert	https://www.dhs.gov/ai/use-case-inventory/cbp
	USA	All	Customs and Border Protection	Empty container detection model, Agriculture Commodity Model, Cargo Classification Tool, ERNIE, Cargo Security Assessment Model and Illicit Trade	Used to inspect potential fraud in cargo shipments, improve organization of different types of cargo, look out for agricultural pests, and identify illicit substances/materials	https://www.dhs.gov/ai/use-case-inventory/cbp
	USA	All	Customs and Border Protection	Passport Anomaly model & Traveler Entity Resolution	Used to improve security during travel and prevent fraud and identity theft	https://www.dhs.gov/ai/use-case-inventory/cbp
	USA	All	Customs and Border Protection	Babel	Uses social media and open source data to gain information about travelers that could impact their admission into the US	https://www.dhs.gov/ai/use-case-inventory/cbp
	USA	All	Customs and Border Protection	CBP Translate	App used to help officers communicate with travelers for whom there is a language barrier	https://www.dhs.gov/ai/use-case-inventory/cbp
	USA	All	Cybersecurity and Infrastructure Security Agency	Automated Detection of Personally Identifiable Information, Confidence Scoring for Threats	Platform in which public and private sector organizations can disclose cybersecurity threats with the department. Natural Language Processing (NLP) is used to identify potential threats	https://www.dhs.gov/ai/use-case-inventory/cisa
	USA	All	Cybersecurity and Infrastructure Security Agency, FEMA, and Immigration and Customs Enforcement	CISAChat, Response Augmentation Suite, Code Assist GPT, and Virtual Agent	Generative AI service in which the department can interact with customers through a chatbot	https://www.dhs.gov/ai/use-case-inventory/cisa
	USA	All	Cybersecurity and Infrastructure Security Agency	Network Anomaly Detector	Sensor-grid that identifies suspicious activity and cybersecurity threats within the department's networks and data logs	https://www.dhs.gov/ai/use-case-inventory/cisa
	USA	All	FEMA & TSA	Incident Management Workforce Deployment Model and Airport Throughput Predictive Model	Inferential Statistics and Machine Learning models used to estimate number of staff members needed to assist operations. These models do not take staff demographics or experience level into account	https://www.dhs.gov/ai/use-case-inventory/fema
	USA	All	FEMA	Individual and Public Assistance Projections	Inferential Statistics used to predict amount of individuals/households that will need assistance after a disaster	https://www.dhs.gov/ai/use-case-inventory/fema
	USA	All	FEMA	Geospatial Damage Assessments	Visual Analysis and Machine Learning used to assess degree of damage after a disaster	https://www.dhs.gov/ai/use-case-inventory/fema
	USA	All	Immigration and Customs Enforcement	Hurricane Score	Used to formulate a non-citizen's chance of departure from the United States into a singular score based on unspecified factors	https://www.dhs.gov/ai/use-case-inventory/ice
	USA	All	Immigration and Customs Enforcement	Email Analytics, Normalization Services, Investigative Prioritization Aggregator, Semantic Search and Summarization for Investigative Reports, Compromise Email Detector, and Translation & Transcription for Investigative Data	Machine learning used to analyze large amounts of data for the purpose of detecting transnational crime	https://www.dhs.gov/ai/use-case-inventory/ice

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	USA	All	Immigration and Customs Enforcement	Facial Recognition for Investigations of Child Sexual Exploitations and Abuse	Forensic technology and facial recognition used to identify perpetrators of child sexual abuse	https://www.dhs.gov/ai/use-case-inventory/ice
	USA	All	Immigration and Customs Enforcement, TSA	Biometric Check-in, ICE Mobile Check-in app, Credential Authentication Technology, and PreCheck	Facial recognition technology used to quickly verify individuals	https://www.dhs.gov/ai/use-case-inventory/ice
	USA	All	TSA	Low Probability of False Alarm Algorithm	Used to reduce false alarms and number of pat down examinations, making the airport security process quicker	https://www.dhs.gov/ai/use-case-inventory/tsa
	USA	All	Management Directorate	STORM Summarization	Used to summarize information from Homeland Security to send to Congress for review	https://www.dhs.gov/ai/use-case-inventory/mgmt
	USA	California, Colorado, Florida, Hawaii, Oregon, Nevada, Utah, Washington	Cybersecurity and Infrastructure Security Agency	Automated Signature Verification	Used to prevent forged signatures on election ballots	https://www.cisa.gov/sites/default/files/publications/signature-verification_cure_process_final_508.pdf
	USA	Maryland & Vermont	Transportation & Infrastructure	AI Controlled Traffic Lights	Used to improve traffic flow	https://statetechmagazine.com/article/2017/11/maryland-taps-ai-backed-traffic-signal-upgrade-ease-traffic-flows
	USA	All	Health and Human Services	ChatCDC	Generative AI model within the CDC performing various functions similar to ChatGPT, including reviewing and organizing documents and research	https://www.healthit.gov/hhs-ai-usecases/chatcdc-cdc-enterprise-generative-ai-chatbot-summarization
	Canada	All	Royal Canadian Navy (Defense)	Voice Activated Technology	Used to relay commands to/from base to military personnel on ships	https://www.cbc.ca/news/politics/federal-government-used-ai-1.7170307
	Canada	All	Canadian Border Services Agency (Public Safety)	Facial Recognition	Used to verify travelers at the border	https://www.cbc.ca/news/politics/federal-government-used-ai-1.7170307
	Canada	All	Innovation, Science, and Economic Development	ScaleAI	Platform that offers AI powered training to thriving businesses with an overall goal to incorporate AI in stimulating the economy	https://www.scaleai.ca/training/
	Canada	All	Wildfire Resilience (Environment & Climate Change)	SenseNet	Uses sensors and visual analysis to detect potential wildfires more efficiently and in rural locations that previously were hard to detect	https://foresightcac.com/article/ai-powered-wildfire-detection-how-sensenet-is-protecting-canadas-forests-and-communities
	Canada	All	Canadian Digital Service (Employment & Social Development)	Notify	Modeled after UK government app, uses generative AI to create an app for citizens offering digital government services and reminding them of deadlines (e.g. voter registration, taxes)	https://notification.canada.ca
EU	France	All	Defense	Command AI	Used to plan and propose defense strategies	https://www.comand.ai/
EU	France	All	Health Services	Nabla	Used to organize patient documentation	https://www.nabla.com/
EU	France	All	Education	Nolej	AI service publicly available to assist teachers and university students with lesson plans and study guides	https://www.nolej.io/
EU	France	All	Justice	Jus Mundi	International Law and Arbitration database	https://jusmundi.com/en
EU	Germany	All	Ministry of the Interior	Visual Analysis	Used to identify security threats in train stations	https://www.zeit.de/digital/2024-07/bundesregierung-ministerien-einsatz-ki-gruene-spd?
EU	Germany	All	Food and Agriculture	unnamed	AI used to detect potential wildfires more efficiently	https://www.zeit.de/digital/2024-07/bundesregierung-ministerien-einsatz-ki-gruene-spd?
EU	Germany	All	Federal Criminal Police Office (Interior)	Facial Recognition and Fingerprint analysis	AI used for security purposes (unspecified)	https://www.zeit.de/digital/2024-07/bundesregierung-ministerien-einsatz-ki-gruene-spd?
EU	Germany	All	Weather Service (Digital and Transport)	unnamed	AI used to assist with creating forecasts and models about the state of the climate	https://www.zeit.de/digital/2024-07/bundesregierung-ministerien-einsatz-ki-gruene-spd?
EU	Germany	All	German Armed Forces (Defense)	Aleph Alpha	Generative AI service used for purposes (unspecified) in the German military	https://www.reuters.com/technology/cerebras-systems-aleph-alpha-supply-ai-german-military-2024-05-15/?
EU	Italy	All	Various Departments (Healthcare, Justice, Security, Finance)	Velvet	LLM specializing primarily in the Italian language to perform functions similar to ChatGPT	https://www.almawave.com/technology/velvet/#contact-form
EU	Italy	All	Revenue Agency & Financial Guard	Anonimometro	Modeled after an app found in the Netherlands, algorithmic fraud spotting program used to compare assets on citizens' tax forms	https://democracy-technologies.org/ai-data/how-italys-government-uses-ai-data/?
	Japan	All	Environment	Innoqua Inc start up	Uses visual analysis to help with marine conservation by mimicking the conditions of a natural environment and regulating temperature, light etc. in aquariums. Goal is to help mitigate climate change	https://www.japan.go.jp/kizuna/2025/04/iot-based_coral_reef_ecosystem.html
	Japan	All	Agriculture	Agri Robo series	AI system included within agricultural machinery to perform tasks and improve productivity	https://www.japan.go.jp/kizuna/2025/06/ai_robotics_new_agriculture.html
	Japan	All	National Police Agency (Public Services)	Crime Nabi	App that uses GPS monitoring and statistics to predict crimes	https://www.japan.go.jp/kizuna/2024/06/japans_ai-based_crime_prediction.html
	Japan	All	Customs and Trade	Risk Assessment	Algorithms using visual analysis to inspect cargo and data analysis to identify potential threats	https://japancompliance.com/doing-business-in-japan-how-ai-is-reshaping-government-interactions-and-what-it-means-for-your-company/?
	Japan	All	Healthcare	LLM (unnamed)	Used to interpret patient documents and images to generate a diagnosis	https://japannewsyomiuri.co.jp/science-nature/technology/20250111-232520/
	Japan	All	Education	Partnership with SoftBank Robotics	AI used to train educators (unspecified)	https://theatrack.com/school-guidelines-in-japan-ai-education/
	Japan	All	Customs and Trade	Automated Document Processing	Used to streamline document review and improve efficiency in the department	https://japancompliance.com/doing-business-in-japan-how-ai-is-reshaping-government-interactions-and-what-it-means-for-your-company/?