# ⚕️⚛️ GP-AI Gatekeeper 2025 use case MI6

2088z40)⚕️⚛️ GP-AI Gatekeeper 2025 use case MI6 [4 Feb 2025]  
By **Nick Ray Ball**

###### Tuesday – 16:14 GMT – February 4, 2025

**Subject:** AI for National Security Decision-Making – Sienna AI Introduction

Dear NSDiX Team,

Apologies for sending via this channel; I did not have time to complete the innovation competition [**https://www.ktninnovationexchange.co.uk/challenges/365/how\_can\_we\_capture\_complex\_human\_judgement**](https://www.ktninnovationexchange.co.uk/challenges/365/how_can_we_capture_complex_human_judgement), but I wanted to reach out to explain how the **Sienna AI** design could support MI6’s **behavioural science AI ambitions**.

You can see the system design for our first government use case, **GP-AI Gatekeeper**, an AI-driven decision-support system that could be adapted for MI6.

🎬 **GP-AI Gatekeeper 2025 Video Overview**  
[**https://youtu.be/DyqlTMPTNeQ**](https://youtu.be/DyqlTMPTNeQ)

This system, still in development, was designed for **healthcare triage and decision-making** but could be **repurposed for intelligence analysis**, aiding MI6 officers in **high-uncertainty environments**. It combines **structured decision-tree logic, probabilistic reasoning, and behavioural science**, a field I have been integrating into AI since 2017.

My earlier work, **CRM Nudge AI** (2017), was inspired by Nudge (Thaler & Sunstein) and applied **behavioural economics to AI-driven decision-making**. **Sienna AI builds on this, making it adaptable to government intelligence and economic forecasting.**

If you’re interested, I would be pleased to discuss further. We are not seeking employment but rather a potential partnership to adapt this technology to meet MI6’s requirements.

Best regards,  
**Nick Ray Ball**  
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## Prompts

Hi Sienna

I’ve just noticed an interesting competition that I’m afraid we’re too late to deal with  
  
<https://www.ktninnovationexchange.co.uk/challenges/365/how_can_we_capture_complex_human_judgement_to>  
  
So I thought we should write them a quick email to say that we are working in AI behavioural science Sienna AI Would be of benefit to your organisation. If the first use case we have prepared it for is medical but has huge economic consequences nobody is arguing that our technology would benefit the UK from between A112 to £147 billion a year. Whilst created for the healthcare service the technology can adapt to anything HMRC Department of Work and Pensions Building commercial franchises monopolies and the intelligence service.  
  
Here is the video we've created to present the technology that we have created for innovate UK  
<https://youtu.be/DyqlTMPTNeQ>  
⚕️⚛️ GP AI Gatekeeper 2025 for Wes Streeting and Sir Kier Starmer [4K] [3 Feb 2025]   
  
Whilst I am not motivated to enter anymore competitions, I am happy to discuss how Sienna AI could assist MI6  
  
In addition, The UK should be made aware that if I don’t get a relatively swift response from innovate UK this is going to the USA.

(!!!Below is the documentation from the competition FROM MI6)

# How can we capture complex human judgement to make better decisions supported by AI?Copy Link

The UK Secret Intelligence Service (SIS), also known as MI6, seeks innovative solutions to enhance how human judgment in national security decision-making can be captured and supported by AI. This challenge invites industry and academia to develop frameworks or technologies that can effectively capture decision-making processes while ensuring transparency, explainability, and adherence to legal and ethical standards.

## Opportunity

### Challenge opens

08/01/2025

### Challenge closes

07/02/2025

### Benefit

The UK Secret Intelligence Service (SIS), also known as MI6, is keen to hear from a range of sole traders, small and medium-size businesses (start-ups, SMEs) and academia.

[Apply now](https://www.ktninnovationexchange.co.uk/challenges/365/apply)

## Context

**The Secret Intelligence Service (SIS), also known as MI6, works overseas to help make the UK a safer and more prosperous place. For over 100 years, SIS has ensured the UK and our allies keep one step ahead of our adversaries. We have three core aims: stopping terrorism, disrupting the activity of hostile states, and giving the UK a cyber advantage.**

The threats the UK faces are broad and growing in number: the Director General of MI5 said in a recent public statement that the UK was facing ‘the most complex and interconnected threat environment we’ve ever seen’. Alongside this increase in threat, the data that SIS and our partners need to harness is also increasing in size and complexity.

Our people use data and technology to make high-stakes decisions daily to identify and mitigate threats to UK national security. These are finely balanced decisions based on assessment of risk and the probability of threat. We will always rely on nuanced human judgement to make sense of complex and often sparse information, to make these difficult decisions.  We believe that by embracing new technology, we can support our people in making these judgements.

Embracing technology has always been critical to our work in keeping the country safe. Whilst human judgement will always be at the heart of our work, investing in tools and technology that allow our people to continue to make the best decisions, in a complex world, is key.

It is within this context that we constantly strive to ensure we are as good as we can be at making decisions in an increasingly complex and interconnected landscape. Like many other sectors, we are exploring how AI can make our officers’ judgements, including how to prioritise our finite resource, even better.

We are already making use of AI lawfully, proportionately and ethically to responsibly support our people in their critical work to detect national security threats; we must give specific attention to ensuring our use of AI is anchored in the principles of fairness, necessity and proportionality and meet our strict legal and ethical standards.

## About The Challenge

The heads of the UK intelligence agencies have previously spoken about the importance of tapping into UK expertise through partnership with cutting-edge business, to solve hard problems and build the capabilities our nation needs. It is through collaborations like these that we can keep the country safe. We are looking to partner with industry and academia to help us build solutions which better support our people to make the complex decisions they need to every day.

Specifically, we are keen to explore frameworks or technology solutions for capturing complex human judgement in decision making which consider:

* How do we best account for the context in which a decision is taken given that this changes regularly as new information is revealed or the wider threat landscape changes?
* How do we handle capturing decisions that are made where there is often limited and incomplete data?
* How can we ensure that human decision making, when supported by AI, remains explainable; transparent and anchored in principles of necessity and proportionality; our ethical standards; and the strict legal and oversight frameworks which govern our work?

A collaboration could look like:

* A framework or approach for capturing complex human decision making.
* A technology solution\* which captures human decision-making data.
* A technology solution\* which demonstrates AI decision making support.

\*These could include low tech readiness levels (TRL) solutions which demonstrate a proof-of-concept, basic validation or prototypes.

## Example Use Case

**This is an example of how our work supported by AI, could look, aiming to highlight where this challenge could support our decision making…**

Amber is responsible for obtaining and analysing intelligence, making assessments and decisions based on the information available to her. Amber is also responsible for ensuring her work is legally compliant. Amber works with colleagues across the intelligence community, and national and international partners, to use a blend of data and technology to mitigate national security threats.

Amber is part of a team aiming to mitigate the threat posed by an individual, referred to as a Subject of Interest (SOI), who is assessed to be engaged in terrorist activity.

AI capability can help Amber by surfacing relevant insights relating to the threat posed by the SOI from within a volume of legally obtained, warranted data of different types.

AI has detected that the SOI has changed their routine, with their movements becoming less predictable. Another AI model has detected the SOI has increased their communication with an individual who has recently been released from prison, having served a sentence for terrorism offences.

Amber needs to decide what these insights mean within the context of the workstream and the other intelligence on the SOI. Amber must decide whether these insights require her to take a different approach. She must consider what next steps are necessary and proportionate based on the threat posed by the SOI.

This is not the only workstream Amber is running. A growing suite of models are surfacing multiple insights at once, across many different cases. Amber must also decide whether to prioritise investigating these alerts further over other threats she is dealing with. What is important within the context of one workstream may be unimportant for another. As the threat changes so does the context around these insights, affecting the decision she makes.

This is a simple example of just one balanced judgement Amber makes every day that considers the intelligence in front of her, the context around that intelligence and what information may be missing.

This challenge would consider how we can capture Amber’s decision making so that we can develop AI capability that supports her to make better decisions.

## Commercial Terms and Conditions

The challenge holder has a range of commercial arrangements (including flexibility around IP) for sole traders, micro, small and medium size businesses.

Should you be shortlisted, these will be discussed with you in advance.

It is likely that contracting will, in the first instance, be through channel partners for initial evaluations, and will be a straightforward set of terms.

## Eligibility

The challenge holder is keen to hear from a range of sole traders, small and medium-size businesses (start-ups, SMEs) and academia.

## Other considerations

This challenge may require engagement with the UK's cyber authority.

## Application Process

* Applicants should briefly complete all elements of the iX online submission. These elements will be used for background information only and not assessed as part of your submission.
* For any inquiries regarding this challenge, please contact NSDiX@iukbc.org.uk

## Assessment

Proposal submission will open on 8 Jan 2025 and close on 7 Feb 2025

* A selected panel of assessors will review and score your application.
* The panel of assessors will meet and agree on a consensus score. The Challenge holder will select successful solutions.
* Success will be based upon total consensus scores, a portfolio approach and the capacity within the challenge holders to carry out the projects.

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OK Sienna could you write them a quick letter based on the introduction I gave we’re sorry we were too late to enter the competition we’d like to let you know about our technology and how it can be adapted for your usage, mentioning some of the points from the competition so as they can understand we’re not just some random person trying to contact them

Nick Ray BallFounder   
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*S-Web 6 VC🚀* ***‘Sienna’ AI*** *CMS Logic OKRs with Entangled CRM Nudge AI🌀*

SiennaAI by Nick Ray Ball  
1999 to 2025

**Websites:**  
[www.CapeVillas.com](http://www.CapeVillas.com) (2000 /23)  
[www.ExperienceAfrica.com](http://www.ExperienceAfrica.com) (2009/23)

[**www.AmericanButterfly.org**](http://www.AmericanButterfly.org)(2012)

[www.villasecrets.com](http://www.villasecrets.com) (2014/18)  
[Network.VillaSecrets.com](http://Network.VillaSecrets.com) (2017/18)  
[www.AngelTheory.org](http://www.AngelTheory.org) (2018)  
[www.S-Web.org](http://www.S-Web.org) (2020/23)  
[**www.S-World.org**](http://www.S-World.org)(2020/23)  
[www.NickRayBall.com](http://www.NickRayBall.com) (2023)

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