

Technical Advisory Committee Meeting

February 20, 2025

Attendance: Jeff Egly, Troy Jessup, Jim Stewart, Lynne Yocom, Mike McIntosh, Bryan Peterson, Tristan Rhodes, Jonathan Karras, Kevin Stratton, Jeremy Cox, Karl Newell, Rick Gaisford, Joe Breen, Jenn Gibbs, Greg Scherer, Barry Bryson, Spencer Jenkins, Chris Smith

UCA Radio Deployment Across the State

- **Update from Jeremy Cox on his meeting with the State Security Chief in November:**
 - The State Security Chief is very concerned about the lack of coverage in schools after the recent upgrade to digital.
 - The Security Chief emphasized that schools need to address this issue by installing BDAs in non-compliant buildings.
 - There has been discussion that Wi-Fi is not a viable solution to the radio problem due to its availability and best-effort nature.

AI Updates and Discussion

- **Weber State University AI Pilot Project (Tristan Rhodes and others):**
 - Tristan discussed a pilot project testing AI tools, focusing on an open-source tool called Anything LLM.
 - This tool offers a chat interface for document uploads, questions, and web scraping, using Google Gemini 2.0 for intelligence.
 - Tristan hopes Google Gemini might be integrated into their Google Workspace in the future.
 - The team is addressing privacy concerns by treating AI as a cloud service with data governance similar to other cloud tools.
 - They are exploring various use cases, including network automation and log parsing, and considering local AI options for high-security needs.

AI Committee and Industrial Applications

- [REN Community AI Working Group Discussion:](#)
- Discussed forming a new working committee on AI, focusing on industrial AI uses such as large language models, data, and chatbots.
- The committee plans to start meeting in March, aiming to bring together members from the broader R&E community.
- They will discuss using AI for network troubleshooting and security, focusing on analyzing telemetry data and network flows.
- The committee agreed to collaborate on these projects and share resources to improve AI capabilities in the R&E community.

Integrating AI for Data Analysis

- Discussed the challenges and strategies for integrating machine learning and natural language querying in data analysis.
- Agreed that current approaches have limitations and that a combination of machine learning and deep neural networks might be more effective.
- Acknowledged the need for higher-level training and data processing and considered the potential of private AI models to ensure data privacy.
- Recognized the significant time and resources required to develop such models.