

1. MEETING MINUTES

The minutes are organized by topic per the agenda.

1.1 INTRODUCTIONS & MEETING GOALS AND OBJECTIVES

Brad Schmidt (CoE) opened the meeting by thanking everyone for attending and participating. Brad then discussed the topics and objectives of the meeting which are captured in the agenda.

1.2 UPDATES ON CO-FPS DEVELOPMENT (NCAR)

Jim Cowie (NCAR) presented an update on the CO-FPS development status. The recently ordered Product Server is now on-site and being set up. Development of the web services is almost complete. Once the publishing of the GIS products is automated, then real-time fire weather products will be available to Intterra and CO-WIMS. Work continues on the fire simulation triggering process. The manager component is complete and needs to be interfaced to the CAWFE start scripts. A complementary product generation manager is also being developed. The modelers continue to fine-tune CAWFE to address certain behaviors of fires running too fast. There was a question about whether the system was used on a recent fire. NCAR did run the system on the Cold Springs fire near Nederland, but it ran fast and hit the boundary of the simulation, so output was not provided to the CoE. Another question related to timing of when the simulation capability would be available. While the first version of the end-to-end CO-FPS system will be working soon (in about a month), product availability is a decision for the state, which was a topic of discussion later on the agenda.

1.3 PRESENTATION AND DISCUSSION ON RELATIONSHIP BETWEEN CO-FPS AND STATE OF COLORADO POLICIES

Adam Trojanowski (DFPC/CoE) presented some slides on the CO-FPS data access policy with regard to public information requests. There is concern that the experimental output from CO-FPS might be released before it is vetted and people could make the wrong conclusions if that happens. The DFPC falls under Colorado Open Records Act (CORA). Under CORA, there is some leeway such that experimental or research products are exempt, but as soon as the CO-FPS is used to support operations, then that cannot be argued any more. The DFPC may be able to claim this for several years on this project. Typically, CORA requests from the public should be completed within three days, however, it can often take longer to satisfy these requests and the law also allows extenuating circumstances. Since the CO-FPS products have a relatively short shelf-life (< 24hrs), there is less risk that people would misuse the output if they were to receive it.

It was noted that there is a state requirement of saving documents (possibly data) for 7 years. Brad indicated that archiving of CO-FPS products may be done within CO-WIMS, although how this will be done has not been fully planned out. Brad also pointed out the verification in the first year will be very high-level since the capability is so new. An analogy was made to pharmaceutical testing but the weather and fire behavior validation are different than for clinical trials.

1.4 PRESENTATION ON INITIAL CO-FPS ACCESS POLICY AND DISCUSSION ON OPTIONS FOR FUTURE POLICIES

Molly Hausmann (Intterra) presented a live demo of the experimental CO-WIMS display. On this display, a simulation dialog box is available which users can fill-in to start a fire simulation. The fields are the fire name, the user name, the start date/time (current hour back 18 hours), forecast lead hours (2-18) and area tools to allow the user to select the burning area. Once these are entered the user selects the 'run' button. There were questions about saving information about previous fires and whether the area information would be retained when running updates on the same fire, as this is a desired capability as new validation information from the field updates the existing burn geography.

Brad Schmidt (DFPC/CoE) presented information on the access policy of the CO-FPS data employing user roles and view states in CO-WIMS. Intterra plans to add a 'fps' view state that limits the access to CO-FPS data. Only users with permission to this view state can see or run fire simulations and CO-FPS dialogs will only show up in this view state. The initial set of users with fps view capability will of course be limited to start with. Within the view state, there are user roles which further limit capability. Initially these users roles will be composed of administrators, operators, and view-only users. Administrators can see and do anything, including deleting data (fires) owned by others. Operators can run fire simulations and delete their own fires, but not fires owned by others. View-only users can view fires triggered by other users, but not create any new simulations. To get access to the fps view state, it is currently planned that users read and sign a policy document and attend training. The state-scale fire weather forecast data will be more widely available to users in CO-WIMS but the access policy is still being developed. The policy will evolve over time.

There was a discussion about limiting products even after the CO-FPS is deemed operational. How broadly should the product be exposed? The conclusion is that it is difficult to answer those questions at this point. There might be a need to have a certain class of users (administrators) over-ride simulations that are running to give priority to new or existing runs. This could still be managed within CO-WIMS by having a pause (or abort) instruction be sent to CO-FPS by the administrator for lower-priority fires.

2. ACTION ITEMS

The following actions items resulted from the meeting.

- These minutes and presentation materials will be posted to the [CoE website](#).
- There will be no August Stakeholder meeting. The next meeting will be focused on training and is tentatively scheduled for the afternoon of September 27th at the State Emergency Operations Center in Centennial, CO.

Appendix A – Meeting Agenda



COLORADO

Center of Excellence for Advanced Technology Aerial Firefighting

Department of Public Safety

Colorado Fire Prediction System July Meeting Agenda July 21, 2016: 2 p.m. - 4 p.m.

- | | |
|-----------------------|--|
| 2:00 p.m. - 2:15 p.m. | Introductions & meeting goals and objectives |
| 2:15 p.m. - 2:30 p.m. | Update on CO-FPS development |
| 2:30 p.m. - 2:50 p.m. | Presentation and discussion on relationship between CO-FPS and State of Colorado policies |
| 2:50 p.m. - 3:00 p.m. | Break |
| 3:00 p.m. - 4:00 p.m. | Presentation on initial CO-FPS Access Policy and discussion on options for future policies |