

*FIRESCOPE GIS Specialist Face-to-Face Meeting minutes
Sacramento, May 2016*

Meeting Minutes

Monday May 2nd CALOES Headquarters Mather *Breakout Room 6, 1st fl*

Chris Ingram, Tiffany Meyer, Dave Donley, Lorri Peltz-Lewis, Nick Wallingford, Steve Winter, Steve Kennedy, Matt Turner

Guests: Steve Barton, Caroline Thomas Jacobs

1300 – 1500: Welcome & Introductions

Situation Awareness & Collaboration Tool - SCOUT (previously NICS) update and discussion - *Caroline Jacobs*

3 main tools used in CALOES

- CALOEC
- SCOUT
- ARCGIS

Response systems integration branch – clear vision operationally. Caroline’s job is to make the vision happen.

Mission: Tactical incident response tool. Sit awareness and agency collaboration. Can be deployed for all types of incidents.

“SCOUT” is California only, but there are other versions around the world.

Scout.ca.gov exists (as of April 18th, 2016) now that vendor is under contract to move forward with online site. Existing NICS users can register on SCOUT. No new agencies until 2017, but any orgs should have been transferred, even if they were federal. It’s not ready for incident management yet. Projected to be live in a couple of weeks from now. Goal is to “turn off” NICS by June 1.

Transition goal: Take existing NICS and stand it up as SCOUT. No Changes.

System organization:

- Principles - Joe Tylor and Kevin Guerrero are Principles for CALFIRE in management. In charge of functional usage.
- Functional areas (unit chiefs)
 - Northern Region: Dan Dennet and John Erwin
 - Southern Region: Ron Arbo and Dan Johnson.

Training has been occurring at the unit level.

Cost: “Pay to play”. Team is working on a working model for costs.

CALOES is working with local units to make the transition.

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Platform Management-CALOES is lead, managing the contract with the vendor, system maintenance.

Non gov;t (i.e. NGOs, utilities) – must have a sponsorship approval that goes up through chain of command through functional level, and eventually ends up a Principle level.

Phases:

1 – Previous users can continue using it - now

2 – Select agencies that had been previously interested – Summer 2016

3- After sustaining funding model is complete then it will be open to all interested and eligible agencies. 2017

Federal agencies? They will be allowed to have accounts if they are involved in emergency services in California. If feds already had orgs then they should still be in there.

Different tools should be able to integrate with SCOUT (Interra, EGP). It doesn't happen yet, but the goal is to maximize the existing products and ability for different platforms to work together.

Platform – will the data be in an ArcGIS format so that the data can be easily integrated into incident data and maps? Answer is that this is a business decision at the exec level. Long term goal in future version is to offer a feature service.

Transition: Archiving of all NICS work on May 31.

DEMO:

Over 2000 layers brought over from NICS. Not all tested for whether they are functional. All the same tools as NICS.

Mobile app – Android and IOS.

ARCGIS

3 year contract with ESRI. Goal is to get user interactive maps (AGOL).

Collector apps:

- Damage assessment integration. They are working on getting a damage assessment Collector app set up with FEMA.
- EEI – Field emergency coordinators

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WEBEOC and AGOL integration add-on so WEBEOC data can be shown in the AGOL dashboard.

1500 – 1700: FIRESCOPE GIS SG business and new members

- Review agenda for F2F
- Review previous meeting minutes
 - CWCG
 - S-341. No CA class for 2017. No support from GATORS and they must give the approval. GATORS only pay for 1 class/year but they don't pay for the instructors. Need lead/qual'ed trainer. 1 instructor/5 students.
 - Does FIRESCOPE need to write an issue paper on Avenza license? No, but:
How to distribute PDF maps so that they are easy to load in Avenza? S. Kennedy suggests JSON showing urls to individual docs.
Request from AVENZA to grab maps from Box account, and to be able to see files inside of folders.

FIMT – incorrect acre calculations

Action item: Darin question – is this the fix that's coming out?

FOG meeting update (Steve Winter)

- OES tech personnel assigned to group to write updates, which will help with technical issues and speed up the update process. [John Kolman](#)
- Entire book is being brought into one program (end design)
- Symbology to be in color....printing issues are altering FIMT standardized colors that look different in FOG. Looking for CMYK numbers for each symbol for pantone printing.
- Working with Office of state printing (OSP)
- Wagon wheel and DINS Symbology white paper status
 - CALFIRE teams would like to have the capability to utilize this method. GISS leads need to review Rich's issue paper for comments and buy-in. What are the options (polys vs lines). Official documentation is needed as a how-to for teams that aren't familiar with it.
 - Ops need to be the ones that identify the line locations.
 - Recommendation is to include DPA lines on map for operations to consider during line drawing. This aids with finances.
 - FIRESCOPE is currently using dropbox to share files.
 - Facebook pages? Concerns: Open or closed, logos.

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- EIT has a FB page and has been given the task of coming up with a policy.
- Other option would be Wildfire Lessons Learned
- Action item: Send Chief Winter meeting notes to be put on the FIRESCOPE website

Future officers and members

- Lorri as chair, Ingram nominated Tiffany as vice; Dave
 - Chis Ingram: Nick is proxy for Rich. Looking into future Dave and Lorri will be retiring eventually so we need to recruit some younger folk.
- Application for new members (Steve, Susan, Nick, Matt)
 - Letter of support from agency signed by chief.
 - Resume
 - Application letter
- Other agency recruitment (CAL OES, NPS, BLM)
 - Do we want management level or GIS level?
 - High priority is to get someone from DOI. Lorri has been reaching out.

Tuesday May 3rd

Attendance: Lorri Peltz-Lewis, Dave Donley, Chris Ingram, Nick Wallingford, Steve Winter, Steve Kennedy, Matt Turner, Tiffany Meyer

0800 – 1100 2016 fire season prep

- GISS Hard Drive discussion and MOU
 - Disclaimer not to share with contractors.
 - Idea – put a sticker on each hard drive that states that the data is only for emergency incident use.
 - Sensitive data on drive, such as HSIP Gold, abandoned mines, parcels.
 - Contract agreements needs to include a statement that they have to wipe drive after each incident. Fed contract does, but CALFIRE does not.
 - Contractors can be liable if there's a law suit
 - CALFIRE needs to address how Deer Creek gets the initial data. Contractors should not be retaining incident data
 - Content:
 - This year size 1.2 T
 - USFS is using 10.3 ArcGIS
 - Lots of new agency data
 - Aviation hazards updated
 - Old quads are on drive
 - Transportation from ESRI is very good. Even has SPI roads.
 - Inventory sheet:
 - Red is new
 - Green is most recommended

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Action item: MOU renewal – Lorri Peltz-Lewis

Signators need to be updated

Needs an intro or exec summary

- CALFIRE update

DINS and Defensible Space Inspections using Collector app (Tiffany and Nick)

- Issues: How do GISS allocations occur? How do DINS get their GISS? They should not be taking them from the GISS team.
- Need to be more clear where DINS fits within ICS - Many examples of the 2015 fire season where DINS was under SITL, while other incidents generated a DINS Branch, working with Plans and Ops.
- Qualified GISS staff have been pulled from incident mapping, to support DINS
 - Valley Incident's qualified GISS all went to DINS, leaving 8 GIS Trainees in the GIS shop
 - Who decides on utilization of resources???
- Awareness of ICS hierarchy
- Looking at it from "All Hazards" does it fit under Sit Lead?
- Add ICS training requirements to the FIRE Marshal training.
- New FOG includes DINS section under plans as Damage Inspection Specialist.

ELA with ESRI (Tiffany)

- Other updates

Statewide Fire Station and lookout tower Databases

- Where to centralize? HSIP Gold does have a dataset
- Include camps? Air bases??
- CALFIRE, USFS, BLM
- Local districts have county data.
- No personal available to maintain it so we'll table statewide map, but units can send their data to Lorri and she will compile them into a folder for the drive.

FIMT firelines statewide database was proposed by Deer Creek – is there a need?

NIFC and NAP ftp

- CA North vs South – if you can't create a folder then you don't have access. Let Lorri know, and she will be able to get access approved.

Action item: Let Jana know that CALFIRE approvers need to allow both north and south region

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AVENZA and other new field data collection apps – workflow and resources

- “CanaKit Raspberry pi” – local server and hotspot. Tie data on the drive to QR codes. Saves some bandwidth because it’s not pushing up into the cloud and then back down.
- Avenza store – takes them a day to post things. Could we work with them to speed up this process?
- Valley fire used Avenza for all FOBS. Did not use schema. Overall worked well. Breadcrumbs are course. Some people used their personal phones but it’s an option to collect data this way as a more efficient way to collect data so most FOBs are supportive of it.
- How do you deal with putting AVENZA on your agency phone?

ESRI’s “Full Motion Video” or FMV as an option in ArcGIS.....”eyes on the world” webinar

- Video relates to a map with a triangular “field of view” from the plane’s perspective
- Digitizing on video directly draws on map view
- Still in beta testing; Rich Strazzo
- Free for 30 days; likely quite costly for implementation

Drone-to-GIS

USFS FAM Situation room

1200- 1300 NWCG GISS Webinar/Lunch

1300 – 1400 EIT update and discussion – Eric Prosser

- Reviewed EIT plan of work for April 2016
 - Common Operating Picture (COP) situational Awareness Tool Briefing : minimum data requirements for incidents
 - Incident Number
 - Description: incident’s CAD classification description
 - Incident Start Date
 - Incident Start Time
 - Geo-Location:
 - Symbology
 - Paper – overall issue data sharing both ways
 - SCOUT (data is taken in but not shared out)
 - EIT has put together an extensive list of shared attributes.
 - L Peltz-Lewis: - IRWIN and NWCG has already started this process.
 - Data needs to be standardized across platforms for easy sharing.
 - Internet connectivity & bandwidth issues on incidents

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- Scanning QR codes in the field, DINS uploads of photos, etc.
- Prioritizing bandwidth for GIS trailer? How much & when?
- Raspberry Pi option
- eICS Forms - Standardized look and feel
 - Chris Ingram – CALFIRE IMTs have put many of these forms on google docs, so its recommended to tie in with them so there isn't a duplication of efforts.
 - S. Winter – the EIT task is to standardize them at FIRESCOPE level, so CALFIRE efforts are slightly different.
- *Draft KSA doc re COML problem on incident - Standardized look and feel*
- *Data needs and IT Support Survey*
- *NFPA 950 Standard for data development & exchange*
- *FIRSCOPE Social Media Common Operating Procedures (FB, Twitter, Snapchat, etc)*
- Dropbox COP – looking into options for data sharing. Not a secure data site, it's easy to delete other people's files, and many of these types of sites are changing their rules.
- FIRESCOPE Website Evolution to sharepoint-like document storage. Or some other type of Windows product.
- Drones/UAS

Action item – connect Scott Oak with Lorri to discuss drone policy

- White Paper (Jesse Hodoroski- City of Davis) to identify internet presence and networking needs, groups involved, hardware and software support, current practices, data management.
- Brainstorm – purchasing a set of satellite boxes for the state and managing them and controlling who uses them and when, instead of renting at the current outrageous rates from contractor.

Action item: EIT would like the GIS group to with help identifying how much band width is needed on incidents, time of day, etc.

When setting up camp there are details such as how to arrange the camp to best maximize cable lengths.

Action item: collaborate on F2F meeting time. November? Subcommittee research group of just chairs and liaisons, and include COMs (Codi) too.

1430-1500 Notes from Seattle GSC meeting

See Darin's notes

- FTP Its not intended to be an archive site; It does not get backed up. FTP site to be eventually removed in favor of an alternative site, still TBD

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- DINS database standards – come up with an “Exchange standard” between agencies.
- New FIMT – beta is called FGX (File Geospatial Exchange) designed to be used with AGOL. Has less customized tools and relies more on ESRI tools.
- S-341. Do we need a 2017 California class?

1530 – 1700 Review work plan

Updating roster. Some people on raster have not been engaged in meetings or work plan: Chris Castillo, John Sandmeyer, Tom Gikas.

Action item: Contact “no attendance” people to see what their status is and finish updating roster.

Updated workplan and removed completed tasks from 2015 plan of work, and added new tasks for 2016.

Reviewed mission statement.

Next call-in meetings:

- July 14th, 10am
- September 8th, 10am

F2F November 14th week depending on Task Force Meeting

Wednesday the May 4th be with you

800 – 1300 - Follow up on any previous discussions and Breakout time for project work

NIFC FTP access request to write to NorthOps folders as well as SouthOps folders for deployments to Northern CA

Review and approval of last meeting’s meeting notes

- WUI standardization
- Wagon wheel: Strazzo has written an issue paper on the topic. Turner & Ingram to discuss
 - FIRESCOPE representative questions the value of the wagon wheel. CALFIRE seems to be the only agency where development of operational ‘divisional’ polygons are a consideration.

Action items for liaison (Steve Winter):

- **Let GIS Group know date for Fall Task Force Meeting**

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- Workplan and roster move forward
- Discuss wagon wheel with task force
- Website design and management
- Tie subgroup together that includes GIS, COMs and EIT to discuss incident bandwidth needs