2018 GSTOP Addendum

Web link updates:

- NWCG Geospatial Subcommittee URL update, https://www.nwcg.gov/committees/geospatial-subcommittee
- NIFC FTP URL update when accessing via HTTPS (/public/ added to the URL string): https://ftp.nifc.gov/public/
- NWCG Publications URL update, https://www.nwcg.gov/publications

New Acronyms:

AGOL – ArcGIS Online

APRX – ArcGIS Pro project (.aprx)

EGP – Fire Enterprise Geospatial Portal

FGX – Fire Geospatial Exchange Tool

ITSS – Incident Tech Support Specialist

CO MMA – Colorado Multi-Mission Aircraft

READ – Resource Advisor

REAF – Fireline Qualified Resource Advisor

Chapter 1: Minimum Expectations

GISS ability additions:
- Working with Avenza (iOS & Android)
    - Instructional materials found here, https://sites.google.com/a/firenet.gov/gisstraining/home/avenza
- Working with ArcGIS Online and Collector (iOS & Android)
    - Instructional materials found here, https://sites.google.com/a/firenet.gov/gisstraining/home/agol_collector

Responsibility additions:
- GISS and any other incident personnel working with incident spatial information must use the NWCG Approved Wildland Fire Event Data Standards.
- Required data elements in the Wildland Fire Event Data Standards should be fully populated (including the IRWIN ID) at all times during the incident and when sharing data.
- The Event Point, Line and Polygon Data Standard can be found at this link: https://www.nwcg.gov/data-standards

Chapter 2: File Naming and Directory Structure

For 2018 and beyond, there are many new **updates in the GISS workflow**, previously referred to as "method of work and organization" in GSTOP.

Workflow Update Components:

- Master Map Document (.mxd) or Master Project (.aprx)
- Master incident geodatabase (Event GDB)
- Other incident geodatabase (annotation feature class)
- Incident data back up

There are essentially 3 supported workflow "Branches" of the Event Geodatabase Decision Tree (red numbers in the diagram below):

1 - Desktop Only Workflow without using AGOL/Collector/Survey123

2 - National Incident Feature Service Workflow, but no internet at the start

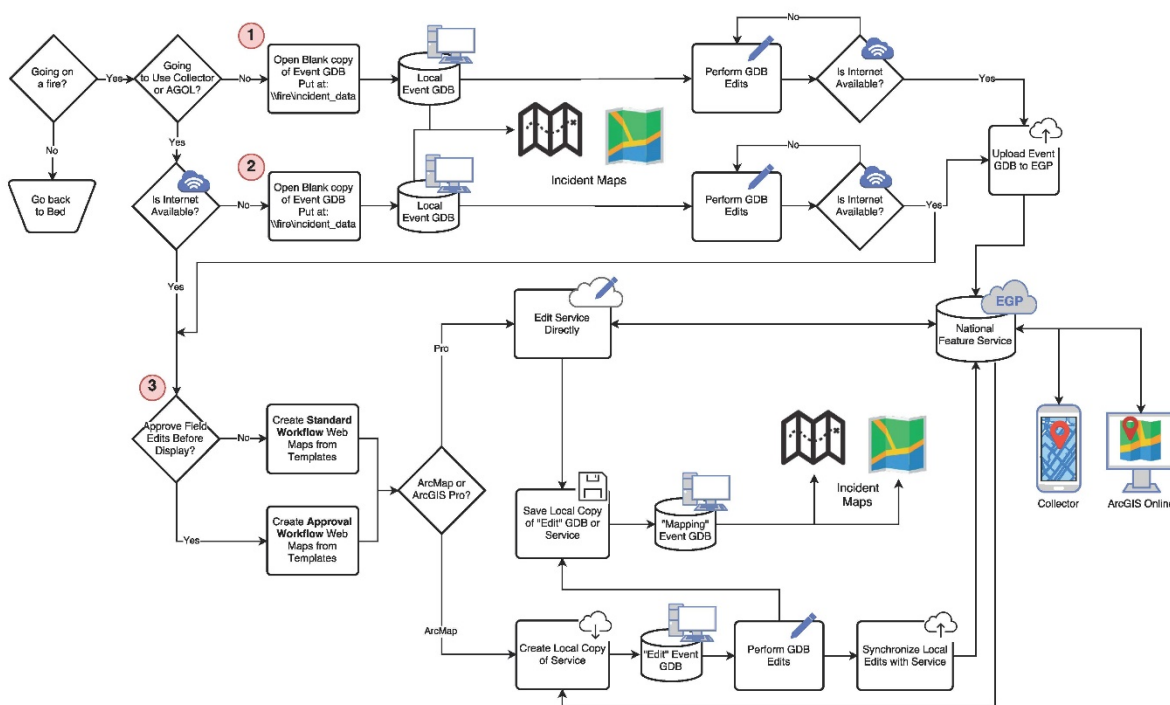3 - National Incident Feature Service Workflow, with internet at the start

Figure 1: Event Geodatabase Workflow Decision Tree

GISS workflow instructional materials may be found here,
https://sites.google.com/a/firenet.gov/gistraining/home/gissintroductoryclass/Unit2/eventgdbworkflow

Naming Updates

Master Incident GDB Naming
- Year
- Incident name
- Unit ID + Local Incident ID
- Tool/GDB Schema and Software Version
EXAMPLE: 2011_Playa_AZHVR503_Event_ArcMap_10_5.gdb

Other Incident data geodatabase (not created by FIMT or GDB created *in addition* to Event GDB)
- Year
- Incident name
- Unit ID + Local Incident ID
- Tool/GDB Schema and Software Version
EXAMPLE: 2011_Playa_AZHVR503_Other_Incident_Data_ArcMap_10_5.gdb

Incident data feature classes in "Other" Incident data GDB (not in FIMT GDB or Event GDB)

- Prefix "i_" for incident (and because you cannot begin a feature class name with a number)
- Date of collection, including year (yyyymmdd)
- Time of collection, 24 hour clock (hhmm)
- Incident name
- Unit ID + Local Incident ID
- Descriptive text (e.g., 24kAnno, MPgridIndex)
- Number of pages + size of paper + page orientation (only applies to multi-page index feature classes)
EXAMPLE**:** i_20110514_0700_Playa_ AZHVR503_Div_Anno_24K

Incident data backup files

- Date of collection, including year (yyyymmdd)
- Time of collection, 24 hour clock (hhmm)
- Incident name
- Unit ID + Local Incident ID
- Tool/GDB Schema and Software Version
EXAMPLE: 20110516_2200_Playa_AZHVR503_Event_ArcMap_10_5.gdb

Web maps, mobile maps and data services

- Name should include Incident Year, Incident Name, UnitID + Local Incident ID, and purpose of the map or data service.
EXAMPLE: 2017_ChetcoBar_ORRSF326_SuppressionRepair

2018 GSTOP Directory Download (from instructional materials),
https://sites.google.com/a/firenet.gov/gisstraining/home/gissintroductoryclass/Unit1/filenamingdirectorystructure

Chapter 5: Map Symbology

Removal:

- Medivac

Addition:

- Unimproved Landing Area

Event Geodatabase Layer Files Download,
https://drive.google.com/file/d/1J7AoV2Nnv7AVstI3Pt4ZRN2uwYM8O7bD/view

Chapter 7 & Chapter 8: Data Sharing, Backup, Archiving & Transition

Types of data sharing on incidents

- For the 2018 fire season GISS are **required to both** post incident data to NIFC FTP site and upload the incident GDB to EGP.
- ftp.nifc.gov – maps and incident data
- EGP – incident data

Incident data sharing

- FTP: NIFC FTP guidance for NAP account, folder access, and ftp client software may be found here, https://sites.google.com/a/firenet.gov/nifc-ftp-site-change-management/ and here, https://ftp.nifc.gov/
- EGP: Request account, https://egp.nwcg.gov/egp/RequestAccount.aspx **Make sure to request the GISS Role**

Transition

All materials (data, directory structure, web maps, and web applications) must be transitioned to the incoming team with copies of data present in any web map or app filed in the appropriate location in the incident data structure. All spatial data associated with the incident must be part of the transition incident directory structure. The transition must set the incoming GISS up for success, regardless of the incoming team's knowledge of web or mobile technologies or ability in ArcGIS Pro. With rapidly advancing technology it is up to the GISS to provide everything needed for a smooth transition.

Archiving

See above – all data, copies of documents use to set up Survey123 items, MXD's used to set up custom hosted services, etc. should be contained in the incident directory structure and detailed in the transition package for the incoming GISS. So data contained in web maps, feature services, etc. should all be downloaded to the incident directory structure prior to the new team taking over the fire.

2018 GISS Information Site, https://sites.google.com/a/firenet.gov/gisstraining/home/2018gissinfo