**2012 Airspace Coordinator “Tool Kit” (1/25/12)**

**FAA Program:**

**NOTAM Entry System** - Primary TFR program for Airspace Coordinators. Currently resides at the GACCS (and some Airspace Coordinator Computers). This includes some State offices (Alaska and the Southern Region, and individual units within the Great Basin)

**Software/Programs:**

**TOPO USA** - privately purchased and used by Airspace Coordinators to "truth" the lat/longs of a TFR request and analyze geographical references within the proposed TFR.

**IAMS/CAHIS** (no longer supported but still in use by Dispatch offices for airspace deconfliction and lat/long conversions)

**Falcon View** Could be used for airspace deconfliction as Falcon View is now "open source" but unfortunately, it requires the downloading of DAFIF files from a secured website (NW Portal)

**DOD/FAA Website:**

**DINS** https://www.notams.faa.gov - for TFRs. NOTE – pull scroll bar to the extreme right to see the graphic.

**FAA Websites:**

www.faa.gov (http://tfr.faa.gov/tfr2/list.html) - for TFR lists and graphics

SUA website: http://sua.faa.gov/sua/siteFrame.app - for SUA information. TFRs are not available. SUA and MTR information is not current in real time.

PilotWeb: https://pilotweb.nas.faa.gov/PilotWeb/

FAA TFR Map: http://tfr.faa.gov/tfr\_map\_ims/html/index.html

FAA Advisory Circulars

FAA FARS

**Private Company/Organization websites:**

www.aeroplanner.com - for TFRs and graphics. Not updated evenings and weekends.

www.AOPA.org - Offers some graphical depictions of TFRs and TFRs in a "common" language. Focus is on Presidential, Security, Blanket and General TFRs.

**NW Portal:**

DAFIF/AP 1/B: Password protected website for downloading the AP1/B, AP1/A, DAFIF and DVOF. Requires password obtained in advance and is used through the USDA E-Authentication website. NOTE - this meets the DODs requirement as a "Trusted Entity" website. The AP1/B information may not be distributed and may only be downloaded once every 26 days.

**Google Earth**

NOTE - there is Google Earth and the USFS version of Google Earth.

(I believe that the USFS is "pushing" a TFR overlay in its next issue).

**Lat/Long Conversion Website:**

[**http://www.rcn.montana.edu/resources/tools/coordinates.aspx?nav=11**](http://www.rcn.montana.edu/resources/tools/coordinates.aspx?nav=11)

[**http://transition.fcc.gov/mb/audio/bickel/DDDMMSS-decimal.html**](http://transition.fcc.gov/mb/audio/bickel/DDDMMSS-decimal.html)

**List of KMLs**:

AFF on Google Earth:  <https://www.aff.gov/cgi-bin/aff.dll/google/preferences.htm>

FAA ARTCC Boundaries: <http://www.airspacecoordination.net/files/kml/artcc.kml> or <http://sggate.arc.nasa.gov:9518/GoogleEarth/FAA_ARTCC.kml>

Special Use Airspace: <http://sggate.arc.nasa.gov:9518/GoogleEarth/sua.kmz>

TFRs: <http://sggate.arc.nasa.gov:9518/GoogleEarth/tfr.kml> **or**

<https://sggate.arc.nasa.gov:9518/googleearth/airspace.kml>

Current Large Fires: <http://activefiremaps.fs.fed.us/data/kml/conus_latest_lg_incidents.kml>

Sectional Charts and 3D Airspace: <http://www.gelib.com/maps/Sectionals/Aero_Charts_nl.kml>

3D Airspace: <http://www.pilotsandweather.com/kml/currentSUA.kml>

MTRs and Ranges in California and adjoining states: <http://atlas.resources.ca.gov/ArcGis/rest/services/Military/Military_aerial_ranges_and_corridors/MapServer/generatekml>

MODIS Fire Protection for the past 24 hours: <http://firefly.geog.umd.edu/kml/download.php?file=USA_contiguous_and_Hawaii_24h.kml>

MODIS Fire Protection for the past 6 days: <http://activefiremaps.fs.fed.us/data/kml/conus.kmz>

"USFS Common Operating Picture" Test: <https://sites.google.com/a/firenet.gov/cop/home/national-level/NationalFireCOPTestNetlink.kmz?attredirects=0&d=1>

NASA Common Decision Environment:<http://geo.arc.nasa.gov/sge/WRAP/CDE-2009_Instructions.pdf> and <http://sggate.arc.nasa.gov:9518/GoogleEarth/CDE.kml>

AFF Aircraft: <https://www.aff.gov/cgi-bin/aff.dll/google/earth.htm>

National IR operations: <http://nirops.fs.fed.us/cdekml/CDE.kml>

WildCAD Data: <http://www.northtreefire.com/gis/intel/wildcad_reports.kmz>

National Situation Report: <http://activefiremaps.fs.fed.us/data/kml/conus_lg_incidents.kmz>

Active Fire Maps/MODIS: <http://activefiremaps.fs.fed.us/googleearth.php>

**Additional Websites** (Need to verify what they are for AND their expiration dates)

<http://gadgets.ds.fed.us/Eutools/ad_promote.asp> (broken link 1/25/12)

<http://atlas.resources.ca.gov/ArcGis/services/Military/Military_aerial_ranges_and_corridors/MapServer/KmlServer> - (broken link 1/25/12?)

<http://www.freemaptools.com/radius-around-point.htm> - Free Map Tools

**AFF - Automated Flight Following**

One can use AFF to plot a point and get a limited amount of information from the AP1/B. The TFR layer has not been available.

Displaying Google Earth and AFF with TFR simultaneously is extremely valuable for assessment of a TFR boundaries.

**Sectionals:**

From the FAA: <http://aeronav.faa.gov/index.asp?xml=aeronav/applications/VFR/chartlist_sect> - Sectional Raster Aeronautical Chart series are designed to meet the needs of users who require georeferenced raster images of FAA Visual Flight Rules (VFR) sectional charts. .

**Viewing Sectionals on line:**

<http://skyvector.com> /

<http://vfrmap.com> /

**Airport and Nav Aid Information**

<http://www.airnav.com> /

<http://www.fly.faa.gov/flyfaa/usmap.jsp> - airport status and delay information

<http://flightaware.com> /

**Aviation News**

[www.aopa.org](http://www.aopa.org)

[www.avweb.com](http://www.avweb.com)

[www.aero-news.net](http://www.aero-news.net)

**Shape Files**

Individual TFR Shape Files are available from [www.faa.gov](http://www.faa.gov) – look at the upper corner of each TFR in the listing.

NASA TFR Shape Files: Need to xxxxxx (add link here)

Fire Perimeter Shape Files: Add URL here

**MODIS Active Fire Maps**

<http://activefiremaps.fs.fed.us/>

**Interagency Airspace Coordination Guide and Agreements are located at [www.airspacecoordination.net](http://www.airspacecoordination.net) :**

Nellis AFB

Utah Test and Training Range

Naval Air Station Fallon

Whidbey Island NAS

Okanogan and Wenatchee NF Aviation Operations Agreement

Master Cooperative Fire Protection Agreement - Northwest

Operating Plan for the Master Cooperative Fire Protection Agreement Northwest

Western Service Area Agreement for Air Traffic Control Towers from the FAA

**Additional Tools:**

Sunrise/Sunset/Civil Twilight - <http://aa.usno.navy.mil/data/docs/RS_OneDay.php>

Greenwich Mean Time (UTC) Conversion website: <http://wwp.greenwichmeantime.com/gmt-converter/>

**Wildland fire information:**

Fire Incident Info (Overlays / Information for current or historical wildland fires): <http://www.inciweb.org/>

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| **Additional Links from GETA (Geospatial Equipment and Technology Application**Wildland Fire Assessment System: <http://www.wfas.net/> &  <http://www.wfas.net/google-earth/wfas_data.kml>***Weather Specific***National Weather Service Weather Bundle: <http://www.atmos.uiuc.edu/iswecs/Google.Earth/Weather.Bundle/Weather.Bundle.kmz>Point Weather Forecast: [https://sites.google.com/site/netlinkhost/Home/useful-kmz/PointWeatherForecast.kmz](https://sites.google.com/site/netlinkhost/Home/useful-kmz/PointWeatherForecast.kmz?attredirects=0)Spot Weather Forecast: <http://www.srh.noaa.gov/gis/kml/SpotForecast/spotLink.kml>NOAA Weather Page: <http://www.srh.noaa.gov/geospatial/kmlpage.htm>ATMU: [A kmz file with weather report history from IMETs](http://geta.firenet.gov/the-data-dump/ATMUReports.kmz?attredirects=0)Red Flag Warnings: <http://activefiremaps.fs.fed.us/data/kml/conus_fire_wx.kmzandFWWATCH.kmz>Current Smoke: <http://www.osdpd.noaa.gov/ml/land/smoke.kml>**Google Earth Information Related** Google Earth Blog (What people are doing with GE): <http://www.gearthblog.com/>Google Earth Hacks (What people are doing with GE): <http://www.gearthhacks.com/>Google Earth Community ( GE Blog): <http://bbs.keyhole.com/ubb/>Google Earth Tutorials (GE Outreach): <http://earth.google.com/outreach/index.html> KML Tutorial (KML developers guide/ references):  <http://code.google.com/apis/kml/documentation/kml_tut.html>  **Advanced Google Earth Links*****Additional Tools***:DNR Garmin (GPS-->GE/ArcGIS tool): <http://www.dnr.state.mn.us/mis/gis/tools/arcview/extensions/DNRGarmin/DNRGarmin.html>Free Google Earth Overlays (Topo Maps etc): <http://gpsvisualizer.com/>National Geographic Maps <http://sites.google.com/site/netlinkhost/Home/useful-kmz/NationalGeographicTopo.kmz?attredirects=0&d=1>Map Window (Shape file to KML converter): Load <http://mapwindow.com/> first then <http://shape2earth.com/shp2e.aspx>KML Screen Overlay Maker: <http://freegeographytools.com/2007/the-kml-screen-overlay-maker-utility>  Google Sketchup (Import/Export and Create 3-dimensional models for Google Earth):   <http://sketchup.google.com/> 3D Warehouse (Search for already created 3D models ready for import to Google Sketchup):   <http://sketchup.google.com/3dwarehouse/>  Create shapes and lines on the web & transfer to Google Earth with scribblemaps: <http://scribblemaps.com/> ***Other Tools:***Public Land Survey System grid in GE: <http://www.earthpoint.us/townships.aspx>HTML Code Snippits: <http://www.web-source.net/html_codes_chart.htm> GE specific KML editor (Free / open source but may have problems with govt permissions): <http://www.northgates.ca/kmlbuilder/>   Earth Paint (create drawings and shapes in Google Earth):  <http://www.earthplotsoftware.com/download.htm>   Large list of other Google Earth Data Tools: <http://freegeographytools.com/2007/kml-editors>Useful KMZ's: <http://sites.google.com/site/netlinkhost/Home/useful-kmz>Aqua and Terra image archive in Google Earth Overlay: <http://ge.ssec.wisc.edu/modis-today/index.php>     |

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