*APPROVED*

# NWCG Geospatial Data Layer Standard
# Metadata Definition and Data Layer Specifications

## Wildland Fire Dispatch Area Boundaries (polygon)

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| **Layer Name:** | Wildland Fire Dispatch Area Boundaries (polygon) |
| **Layer Abbreviation:** | Dispatch Areas |
| **Layer Description:** | Geographic boundary polygons depicting the administrative area of the Wildland Fire Dispatch Areas |
| **Status:** | Approved |
| **Source Record:** | N/A |
| **System of Record:** | N/A |
| **Data Stewardship Group:** | Geospatial Subcommittee and Predictive Services |
| **Data Steward:** | Dianna Sampson, Sean Peterson |
| **Additional Text:** | N/A |

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| **Background:** | Widely used dataset with no previously established standards |
| **Abstract:** | Descriptor of the Dispatch area boundary and the location of the Dispatch office responsible for administration |
| **Purpose:** | The need to define a authoritative spatial data layer depicting dispatch area boundaries. Clearly define the area in which resources are being managed. |
| **Data Model:** | Polygons Shapefile or Geodatabase polygon feature class |
| **Other Notes:** | The intent is not to redefine the current Dispatch Boundaries, but to provide a standard by which the data layer is to be populated. |
| **Related Layers:** | Wildland Fire Dispatch Locations and the Geographic Area Coordination Center Boundaries |

| **Horizontal and/or Vertical Position Accuracy:** | Standards for horizontal and vertical accuracies are detailed in Geospatial Positioning Accuracy Standards; Part 3: National Standard for Spatial Data Accuracy (NSSDA), http://www.fgdc.gov/standards/projects/FGDC-standards-projects/accuracy/part3/chapter3.  Accuracy is reported by feature in meters at the 95% confidence level listed in the HAccuracy and/or VAccuracy fields. Accuracy reported at the 95% confidence level means that 95% of the positions in the feature will have an error with respect to true ground position that is equal to or smaller than the reported accuracy value. |
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| **Horizontal and/or Vertical Spatial Reference Information:** | Data layer projection parameters should be documented in a .prj file (shapefile format) or in a geodatabase projection definition.  Or, specify the projection parameters via an EPSG code (example EPSG code 4326 = WGS84), http://www.epsg-registry.org . Projection parameters file should include applicable attributes as specified in the FGDC Standards Reference Model, 4.1.2.1.23. |

Questions or comments can be emailed to:
BLM_FA_NWCG_DATA@blm.gov

Information on the process of requesting a new Data Standard or a change to an existing Data Standard can be
http://www.nwcg.gov/?q=data-standards

Information about the Data Standards & Terminology Subcommittee (DSTS) can be found at:
http://www.nwcg.gov/?q=committees/data-standards-and-terminology-subcommittee

| Geospatial Data Layer Standard Attributes & Attribute Definitions | | | | | | | |
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| Standard Name* | Alternate Name | Required? | Data Type | Size/ Width | Description | Values | Related NWCG Standard |
| MapMethod | Map_Method MapMeth | No, but recommended | String | 25 | Controlled vocabulary to define how the geospatial feature was derived. Map method may help define data quality. | GPS-Driven; GPS-Flight; GPS-Walked; GPS-Walked/ Driven; GPS-Unknown Travel Method; Hand Sketch; Digitized-Image; Digitized-Topo; Digitized-Other; Image Interpretation; Infrared Image; Modeled; Mixed Methods; Remote Sensing Derived; Survey/GCDB/Cadastral; Vector; Other | |
| DateCurrent | DateCrnt EditDate | Yes | Date | | The last edit, update, of this GIS record. Date should follow the assigned NWCG Date Time data standard, using 24 hour clock, YYYY-MM-DDhh.mm.ssZ, ISO8601 Standard. | Example: 2014-06-23-15.30Z | Date Time (Assigned) |
| Comments | Notes GIS_Note | No, but recommended | String | 255 | Additional information describing the feature. | Free text | |
| GeometryID | Geometry_ID GIS_ID Spa_ID | Yes | String | 50 | Primary key for linking geospatial objects with other database systems. Required for every feature. This field may be renamed for each standard to fit the feature. | Globally Unique Identifier (GUID). ** | |
| GACC Name | GA_Name | Yes | Text | 75 | Full Geographic Area Coordination Center Name | Alaska Interagency Coordination Center; Eastern Area Coordination Center; Great Basin Coordination Center; Northern California Geographic Area Coordination Center; Southern California Geographic Area Coordination Center; Northern Rockies Coordination Center; Northwest Interagency Coordination Center; Rocky Mountain Area Coordination Center; Southern Area Coordination Center; Southwest Coordination Center | Geographic Area Coordination Center (GACC) Code & Name |
| GACC Abbreviation | GA_CODE | Yes | Text | 4 | Abbreviation code | AICC; EACC; GBCC; ONCC; OSCC; NRCC; NWCC; | Geographic Area |
| GACC Unit Identifier | GA_UnitID | Yes | Text | 8 | NWCG Unit Identifier for GACC Boundary | USAKACC; USWIEACC; USUTGBC; USCAONCC; USCAOSCC; USMTNRC; USORNWC; USCORMC; USGASAC; USNMSWC | Unit Identifier |
| Dispatch Center Location | Location | Yes | Text | 50 | City, State | Example: Albuquerque, NM | |
| Dispatch Center Area | Area | Yes | Text | 25 | Name of the Dispatch Area or Zone | Example: Albuquerque Zone | |
| Dispatch Center Name | DispCntr | Yes | Text | 75 | Name of the Dispatch Center | Example: Albuquerque Dispatch Center | |
| Dispatch Center Unit Identifier | Disp_ID | Yes | Text | 6 | Unit Identifier for the Dispatch Center | Example: NMABC | Unit Identifier |
| Contact Phone | Contact | Yes | Text | 12 | Center Phone Number | Example: 505-346-2660 | |
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*Standard field names should be used for the core attributes when possible. Alternate field name suggestions are given to accommodate database conflicts and legacy datasets. Alternate name use should be documented in the Other Notes section above.

** GUIDs are unique specially formatted numeric strings generated by a "GUID generation tool." GUIDs can be generated at http://www.guidgenerator.com/

The purpose of the GeometryID is to ensure that every unique object has a unique ID. This is important in an enterprise implementation where data is coming from many sources to determine if an object is unique or if it has been duplicated. Between the GlobalID and the FireOccurID (IRWINID) the unique be determined.

Users should generate a GeometryID for each unique record they create (spatial or non-spatial) for NWCG datasets. It is the data creators responsibility create and maintain this ID for the life of that particular record. It is the responsibility of the person doing the data aggregation at a regional or national level to maintain this GUID as well. A GUID can be created in multiple ways - on a cell-by-cell basis using a website or script to generate a unique GUID, on a group of records using a script, or it can be automatically generated by the users GIS software or tools.