

# Functional Classification

Friday, December 04, 2015  
11:40 AM

## Data Table Name

FunctionalClassification

## Basic Information

### Data Table Description

An event layer of Arizona's Functional Classification for Arterials, Collectors and Local Roads. This is used to roll up to Functional System event.

### Feature Type

Line

### Source Projection

NAD\_1983\_StatePlane\_Arizona\_Central\_FIPS\_0202\_Feet\_Intl

### Display Projection

NAD\_1983\_StatePlane\_Arizona\_Central\_FIPS\_0202\_Feet\_Intl

### Extent

All Federal-aid highways including ramps located within grade-separated interchanges.

### Resolution

### Development State

Live

### Latency

Yearly refresh due to HPMS updates.

### Valid From Date

01/01/2010

### Valid To Date

07/15/2015

### Quality Issues

None

PL

## Methodology

Developed for the [classification](#) of all public roads in the state. Traffic volumes and other factors help to contribute to the level of service a road supplies to a driver. Roads functionally classified as urban minor collector and above are eligible for Federal-aid.

## Spatial Placement

Full extent. Data item extracted along the entire route.

The Functional Classification defines the level of service to the state roadway system. During extraction, analysts are required to verify that the road has been classified by inspecting the Functional Class attribute field. Functional Classification is a predetermined and a populated data item and should not be changed or deleted during data extraction.

If a road is missing a functional classification, it should be and passed on to the HPMS coordinator.

### Attributes (\* = Required Attributes ^ = Required Attributes when needed or when source available)

**\*Functional Class** - Describes the functional classification of the roadway. Domain values are outlined below.

**^Comment** - A field to add comments, questions, or concerns for each extracted data item. This field allows the analysts to provide context or description to the data item that was extracted. Note: a comment must be added if the extracted data item is coded with a "low" confidence value to describe the issue that the analyst has encountered.

**^InServiceDate** - Defines the date that the physical feature was created and/or open-to-traffic in the "real world". This date is not intended to represent the database feature.

**\*Confidence** - Field that tracks accuracy of each edit made by an analyst. A "high" confidence edit indicates that the analyst determined that the data item was extracted correctly. A "low" confidence edit indicates a high level of uncertainty with the data item that was extracted. Domain values are as follows:

- High
- Medium
- Low

**\*Source Dataset** - Tracks the source level metadata or the authoritative source of the extracted data item. The domain values with examples and locations can be found here: [Source Dataset](#)

**\*Source Year** - Field to track the year of the authoritative source document.

## Data Ownership & Location

### Source System

MPD GIS

**Stewardship Group**

MPD GIS

**Data Steward**[James Meyer](#)[Patrick Whiteford](#)**Technical Lead(s)**[Patrick Whiteford](#)**Last Updated**

6/25/2018

**Location**

ATIS\_Prod SDE

## Attribute Table

Column Name	Column Type/Length	Column Description
OBJECTID	OID (4,10)	Unique ID
FromDate	Date (36)	Event From Date
ToDate	Date (36)	Event To Date
EventId	GUID (38)	Unique ID for On Road
RoutelId	String (32)	ATIS Code
FromMeasure	Double (8,38,8)	FromMeasure value of event
ToMeasure	Double (8,38,8)	FromMeasure value of event
FunctionalClass	Small Integer (2, 5)	Functional Classification Code
FromReferentLocation	String (50)	From Referent Location
FromReferentMethod	Small Integer (2, 5)	From Referent Method
FromReferentOffset	String (50)	From Referent Offset
ToReferentLocation	String (50)	To Referent Location
ToReferentMethod	Small Integer (2, 5)	To Referent Method
ToReferentOffset	String (50)	To Referent Offset
SourceDataset	String (255)	Source dataset
OnRoadError	String (60)	On Road Error code
LocError	String (100)	Location error
created_user	String (255)	RACF of created user
created_date	Date (36)	Date of creation
last_edited_user	String (255)	RACF of last edited user
last_edited_date	Date (36)	Date of last edit
SHAPE	Geometry	Shape of feature
TempReviewStatus	String (50)	Temporary Review Status
TempLegacyId	String (50)	Temporary Legacy ID
SHAPE.STLength()	Double (0,0,0)	Shape length

## Domains Utilized

"FunctionalClass" IN ( 1 , 2 , 3 , 6 , 11, 12, 14 , 16 )

Coded value domain

### FunctionalClass

Description *Functional code classification*

Field Type *Short integer*

Split policy *Default value*

Merge policy *Default value*

Code	Description
1	Rural Principal Arterial - Interstate
6	Rural Minor Arterial
7	Rural Major Collector
8	Rural Minor Collector
9	Rural Local
11	Urban Principal Arterial - Interstate
12	Urban Principal Arterial - Other Fwys & Expwys
14	Urban Principal Arterial - Other
16	Urban Minor Arterial
19	Urban Local
17	Urban Major Collector
3	Rural Principal Arterial - Other Fwys & Expwys
18	Urban Minor Collector
2	Rural Principal Arterial - Other

Coded value domain

### SourceDataset

Description *Origin Dataset*

Field Type *Text*

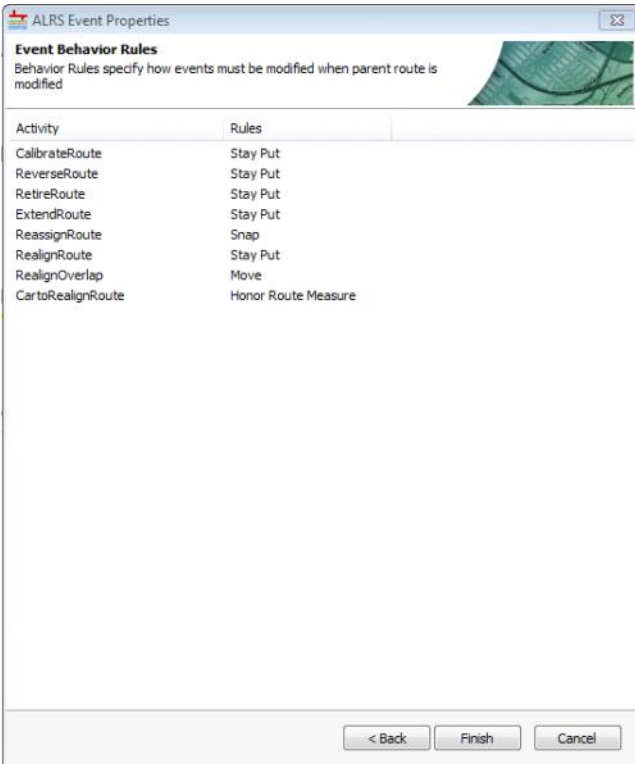
Split policy *Default value*

Merge policy *Default value*

Code	Description
GoogleStreetView	Google Street View
GoogleAerial	Google Aerial
Aerial	Aerial
NAIP2017	NAIP 2017
NAIP2015	NAIP 2015
ConstructionPlan	Construction Plan
As-Built	As-Built
CAD	CAD
Other	Other
P	Photolog
BoardResolution	Transportation Board Resolution
GPS	GPS Data
ROW	Right of Way Document
FP	Fugro Photolog
M	Maricopa Aerial

Coded value domain	
<b>Confidence</b>	
Description	<i>MPD Confidence Ranking</i>
Field Type	<i>Text</i>
Split policy	<i>Default value</i>
Merge policy	<i>Default value</i>
Code	Description
High	High
Medium	Medium
Low	Low
NewScenario	New Scenario

## Event Behavior



The image shows a software dialog box titled "ALRS Event Properties". It contains a section for "Event Behavior Rules" with a table listing activities and their corresponding rules. At the bottom are three buttons: "< Back", "Finish", and "Cancel".

**ALRS Event Properties**

**Event Behavior Rules**  
 Behavior Rules specify how events must be modified when parent route is modified

Activity	Rules
CalibrateRoute	Stay Put
ReverseRoute	Stay Put
RetireRoute	Stay Put
ExtendRoute	Stay Put
ReassignRoute	Snap
RealignRoute	Stay Put
RealignOverlap	Move
CartoRealignRoute	Honor Route Measure

< Back   Finish   Cancel