Arkansas Centerline File Standard – Proposed Revision

Summary of Public Comments

1. **Commenter's Name:**   Judi Frigon
   Commenter's Business/Agency: Benton County 9-1-1 Administration

   Summary of Comments:

   a. CITY_L and CITY_R would be a problem for emergency 9-1-1 dispatching because we need to know what municipality is the responding agency or if it is in the County. Some of our zip codes do not correspond with the city it is actually located in. We have a field CITY_ZIP that uses the USPS city name.

   b. RD_CLASS AND RD_DESIGN should be spelled out and not abbreviated. You would need a code book to understand what the abbreviations designate.

   c. LOG_DIRECT should be designated as log and anti-log. A and B is very confusing.

   Agency's response to comment:

   a. Thank you for your comments on the proposed revisions to the Arkansas Centerline File Standard. We appreciate your interest in our rule making process. We will give careful consideration to your suggestions as we move forward.

   b. We have completed review of all public comments submitted. Based on your comments, we will make the following changes to the proposed revision of the ACF Standard.

      i. Add two additional data fields to reflect a road's location in relation to the municipal boundaries in which the road may be situated. Those values may be different than the USPS city name used for mailing purposes. The addition of separate fields for left and right side municipal city name will accommodate E9-1-1 dispatch functions.
      ii. Utilize the previously established standardized full text descriptors rather than codes to populate the RD_CLASS, RD_DESIGN, and LOG_DIRECT data fields.

iii. Add a street prefix type field
iv. Add a concatenated full street name field
v. Add graphics and/or aerial imagery snapshots in the <u>Definition of Terms</u> section

Changes made to proposed revision as a result of these comments:

a. The agency will add two additional data fields to reflect a road's location in relation to the municipal boundaries in which the road may be situated. Those values may be different than the USPS city name used for mailing purposes. The addition of separate fields for left and right side municipal city name will accommodate E9-1-1 dispatch functions.

b. The agency will utilize the previously established standardized full text descriptors rather than codes to populate the RD_CLASS, RD_DESIGN, and LOG_DIRECT data fields.

2. **Commenter's Name:**   Lara Wood
   Commenter's Business/Agency: Arkansas GIS Office

Summary of Comments:

a. I'd like to propose is including a PSTR_FULNAM (corresponding to the current APF standard) field, which would consist of a concatenation of the four street name elements (PRE_DIR, PSTR_NAME, PSTR_TYPE, PSUF_DIR). This addition could aid in definition queries and labeling, among other things.

b. I would like to suggest changing the Left and Right From and To range fields for all appropriate fields (16 total, including Alternate name fields) from Text to Integer. This allows for sorting numerically, as well as aiding in definition queries involving mathematical operators such as "greater than" or "less than".

Agency's response to comment:

a. Thank you for your comments on the proposed revisions to the Arkansas Centerline File Standard. We appreciate your interest in our rule making process. We will give careful consideration to your suggestions as we move forward.

b. As a result of your comments on the proposed revision to the ACF Standard, the agency will add a concatenated street name field to the table schema and change the address range fields to a long integer.

Changes made to proposed revision as a result of these comments:

a. The agency will add a data field containing a concatenated version of the complete street name.

b. The agency will also change the address range data fields' type from text to long integer.

3. **Commenter's Name:**   Jonathan Hall
   Commenter's Business/Agency: Little Rock Police Department

Summary of Comments:

a. The proposed standard does not clearly articulate "exceptions" to the "Must Not Intersect" Topology rule. These exceptions are necessary, unless additional attributes are added to the standard, to build topologically correct street networks for routing (navigation).

   In my opinion, 1.b. should explicitly state that centerlines shall not be split at grade-separated overpasses and underpasses.

   The standard's intent may be consistent with my comment, but the language describing "exceptions" in 1.b. is not clear. As worded currently, ("exceptions to this could be"), the standard may lead GIS technicians to split every centerline where "Must Not Intersect" topology errors occur.

   Admittedly, not splitting centerlines at grade-separations complicates a GIS technician's work, applying the "Must Not Intersect" Topology rule, and identifying legitimate "exceptions" to the rule at every overpass or underpass.

   Modern CAD (Computer Assisted Dispatch) software is capable of generating turn-by-turn driving directions for first responders to an emergency location, and locating the first responder with the shortest drive-time from the emergency location. Most, if not all, CAD software that supports generating driving directions, and nearest-unit dispatching, require centerlines have additional attributes, or require centerlines that have no node at grade-separated overpasses and underpasses.

   I am not suggesting additional attributes. I suggest that for ACF to support CAD navigation and routing functions, centerlines must not be split at grade separations.

Agency's response to comment:

Thank you for your comments on the proposed revisions to the Arkansas Centerline File Standard. We appreciate your interest in our rule making process. We will give careful consideration to your suggestions as we move forward.

Changes made to proposed revision as a result of these comments:

    a. The agency clarified the language, making it more specific, pertaining to the geometry of grade-separated intersections in the sections referenced by Mr. Hall's comments.

4. **Commenter's Name:**   Elizabeth Bowen
   Commenter's Business/Agency: Northwest Arkansas Regional
                                                  Planning Commission

   Summary of Comments:

   a. Add Prefix_Type

   b. Add complete road name field

   c. Add USPS City_L

   d. Add USPS City_R

   e. Add Functional Class

   f. For RD-Class spell out instead of abbreviations

   g. For Rd-Design spell out instead of abbreviations

   h. Add Hwy_Num

   i. Add Ownership

   j. Add CommunityL Add CommunityR

   k. Add speed Limit

   l. Add speed emveh

   m. Add Rd_Width

   n. Add Max height

   o. Add max Weight

   p. Add One way

   q. Add Sign_Color

   r. For Log_Direct - instead of A&B put log and anti-log

   s. Add Rd_SurfMat (ie asphalt, chip&seal, gravel, concrete, etc)

   t. Page 15 add visuals like you have on pages 4&5

Agency's response to comment:

a. Thank you for your comments on the proposed revisions to the Arkansas Centerline File Standard. We appreciate your interest in our rule making process. We will give careful consideration to your suggestions as we move forward.

b. We have completed review of all public comments submitted. Based on your comments, we will make the following changes to the proposed revision of the ACF Standard.

    i.   Add two additional data fields to reflect a road's location in relation to the municipal boundaries in which the road may be situated. Those values may be different than the USPS city name used for mailing purposes. The addition of separate fields for left and right side municipal city name will accommodate E9-1-1 dispatch functions.

    ii.   Utilize the previously established standardized full text descriptors rather than codes to populate the RD_CLASS, RD_DESIGN, and LOG_DIRECT data fields.

    iii.   Add a street prefix type field

    iv.   Add a concatenated full street name field

    v.   Add graphics and/or aerial imagery snapshots in the <u>Definition of Terms</u> section

Changes made to proposed revision as a result of these comments:

a. The agency will add data fields to the standard schema containing the following attributes:

    i.   Street prefix type

    ii.   Concatenated street name

    iii.   The agency will add two additional data fields to reflect a road's location in relation to the municipal boundaries in which the road may be situated. Those values may be different than the U.S. Postal City name used for mailing purposes. The addition of separate fields for left and right side municipal city name will accommodate E9-1-1 dispatch functions.

b. The agency will utilize the previously established standardized full text descriptors rather than codes to populate the RD_CLASS, RD_DESIGN, and LOG_DIRECT data fields.

c. Add graphics and/or aerial imagery snapshots in the <u>Definition of Terms</u> section

5. **Commenter's Name:**   Mayor Kevin Johnston
   Commenter's Business/Agency: City of Gentry

Summary of Comments:

      a. I received an email from the Arkansas Municipal League in reference to the "PROPOSED REVISION TO THE ARKANSAS CENTERLINE FILE STANDARD - OPPORTUNITY TO COMMENT."

          I merely wanted to confirm the response you were hoping to receive from municipalities as, we, at the City of Gentry want to do all we can to assist in your successful project.

          Are you in need of any necessary comments on the proposed revision or are you in need of our city's assistance as it pertains to our boundaries?

Agency's response to comment:

Thank you for your inquiry. Since the Arkansas Centerline File (ACF) Standard (primarily a database publication standard) is an official state rule, a public comment period is required when revisions are proposed. We distributed notice of such via as many of the appropriate channels that are available to us, e.g. the Arkansas Municipal League. We would welcome any comments you may wish to submit, but the revisions to the standard are not likely to affect you directly, outside of your relationship with the Benton County 9-1-1 office. The standard and the proposed revisions more directly impact them since they maintain a countywide dataset compatible with the existing data standard.

Part of revision that may be of interest or benefit to you, however, are the data fields we added that store attributes pertaining to a road's jurisdiction (state, county, municipal, private, etc.) and surface type (paved or unpaved). This level of detail has not been present in a standardized form until now, and it allows a data user to quickly map, query, and summarize roads of various types.

Changes made to proposed revision as a result of these comments:

None

6. **Commenter's Name:**   Matthew Charton
   Commenter's Business/Agency: DataScout, LLC; Arkansas GIS
                   Board member

   Summary of Comments:

    a. You have two "or" in your description of RD_DESIGN: Design characteristic of the road. Acceptable values are 'DC', 'SC', 'TC', 'CS', or 'RA', 'RG', 'FR', or 'HF'.

   Agency's response to comment:

   Thank you for your comments on the proposed revisions to the Arkansas Centerline File Standard. We appreciate your interest in our rule making process and have corrected the error you identified.

   Changes made to proposed revision as a result of these comments:

   Corrected repeated word error.

7. **Commenter's Name:**   Matthew DeLong
   Commenter's Business/Agency: Arkansas GIS Office

   Summary of Comments:

    a. Change AH_District to AH_Dist to keep field names less than 11 characters which causes truncation of field names with some GIS file formats.
    b. Change Unique_ID data type to Long Integer so the field will sort.

   Agency's response to comment:

   Thank you for your comments on the proposed revisions to the Arkansas Centerline File Standard. We appreciate your interest in our rule making process. We will make the two revisions you suggested in your comments.

   Changes made to proposed revision as a result of these comments:

   The agency will change the field name and data type for AH_District and Unique_ID, respectively, as recommended in Mr. DeLong's comments.