

# Public Review Comments and Responses for the Minnesota Geospatial Advisory Council Emergency Service Zone Data Standard V0.9.7



The Standards Committee of the Minnesota Geospatial Advisory Council (GAC) held a public review period for proposed version 0.9.7 of the GAC Emergency Service Zone Data Standard from May 1, 2022, to July 31, 2022. Below is a table showing the comments received and responses approved by the Standards Committee on 9/14/22. Responses include changes to the standard and other actions.

#	Comment	Submitter	Standards Committee Response
	<b>Section 1. Identification Elements</b>		
1	<p>Element 1.1</p> <p>Consider a database name of ESZ_ID, ESZ_UID, or ESZ_GUID instead of ESZ_NGUID. The reference of “_NGUID” in the database name might cause confusion by implying it is a NENA Globally Unique ID which has a standard width of 254 characters and specific format guidelines for the formulation of the identifier. The width and current description of the attribute are not currently consistent with NENA, although the attribute could be used to create a NENA Globally Unique Identifier. For reference, the current GAC road centerline and address point data standards use unique identifier database names of ROADSEG_ID and ADD_ID respectively. This comment applies to both the data standard document (pdf) and the schema spreadsheet.</p>	MESB - Broman 7/18/22	<b>Action: Change ESZ_NGUID to ESZ_ID.</b>
2	<p>We moved the ESN field into 2<sup>nd</sup> place as that is the most important item. I would suggest it be a part of the Identification Elements, since that is exactly what it does. Make ESN element 1.2.</p>	Clay County - Mark Sloan 7/5/22	Leave as-is. Because other GAC standards typically only include database administration IDs in the Identification elements, the standards committee recommends not placing the ESN element as an identification element.
	<b>Section 2. Wireline Elements</b>		

3	<p>Element 2.2</p> <p>Use the fully spelled out version “2.2 Emergency Service Number” for the element name rather than the abbreviated version “2.2 ESN.” This suggestion applies to the data standard document (pdf) and to the “Element Name” column of the schema spreadsheet. The other element names appear to be fully spelled out.</p>	MESB - Broman 7/18/22	<b>Action: Change the element name from “ESN” to “Emergency Service Number”</b>
4	<p>Element 2.2</p> <p>Clarify whether the current GAC domain, <i>ESN</i>, applies to Element 2.2 in this standard. If it will apply, the domain name <i>ESN</i> should be listed in both the standard document and in the schema spreadsheet. If not, consider establishing consistency on this across the GAC standards given that the ESN attribute is used in both the GAC Road Centerline and Address Point data standards as well.</p>	MESB – Broman 7/18/22	<p>Leave as-is. The content of the current ESN domain is not yet complete. MnGeo will provide a more comprehensive domain to GAC once more data has been supplied to the NG911 repository. Timeline: TBD.</p> <p>The consistency question regarding the use of an ESN domain across the Address Data Points, Road Centerline and Emergency Service Zone data standards will be revisited at that time.</p> <p><b>Note: Bring to Standards Committee:</b> Clean up Address Points Standard to either include or exclude ESN in the Domain section. The Address Point Standard schema spreadsheet is not consistent with the Standard descriptive document. This SME group suggests <u>excluding</u> an ESN domain in the Address Points and Road Centerlines Standards until a more comprehensive domain can be created. (see note above re: timeline)</p>

5	Element 2.2 ESN: add ESN in Domain field to match the model template ESZ feature class & MN GAC Standard Domains spreadsheet.	MESB - Kay Simons 6/24/22	<p>Leave as-is. The content of the current ESN domain is not yet complete. MnGeo will provide a more comprehensive domain to GAC once more data has been supplied to the NG911 repository. Timeline: TBD.</p> <p>The consistency question regarding the use of an ESN domain across the Address Data Points, Road Centerline and Emergency Service Zone data standards will be revisited at that time.</p>
6	<p>Element 2.2</p> <p>In the description of Element 2.2, remove the word “numeric” given that the element has a text data type and the content of the element is associated with how it appears in the PSAP MSAG, which may in some cases include leading zeros which would not be typical with numeric form.</p>	MESB - Broman 7/18/22	<b>Action: Remove the word “numeric” from the description.</b>
7	<p>Element 2.2 ESN - Description: “A numeric code...” but the field is text. The description should explicitly state whether leading zeroes should/should not be used. The examples given are not definitive – 233, 1046, 0288 – and may not match the State’s ESN domain.</p>	Kay Simons – MESB 6/24/22	<p><b>Action: Remove the word “numeric” from the description.</b></p> <p>Given that there are differences and variation in the manner in which ESN is captured in MSAGs, adding verbiage in the description which states that the ESN in the GIS data must match the ESN in the MSAG along with providing an example which includes a leading zero is sufficient.</p>
8	2.2 ESN: add ESN to Domain field to match model template ESZ feature class & MN GAC Standard Domains spreadsheet.	Kay Simons – MESB 6/24/22	<p>Leave as-is. The content of the current ESN domain is not yet complete. MnGeo will provide a more comprehensive domain to GAC once more data has been supplied to the NG911 repository. Timeline: TBD.</p> <p>The consistency question regarding the use of an ESN domain across the Address Data Points, Road Centerline and Emergency Service Zone data standards will be revisited at that time.</p>

	<b>Section 3. Law Elements</b>		
9	<p>Element 3.1</p> <p>In development of the initial agency name domains, the SECB Agency Name Standardization workgroup led by Matt Goodman published guidelines that stated, “Also, in rare instances coverage agreements between multiple agencies are too complex to determine a primary agency. In these cases, it is OK to formulate a value consisting of a geographic descriptor and the term ‘Dispatcher Determined’.” As a result, the GAC <i>LawName</i>, <i>FireName</i>, and <i>EMSName</i> domains each contain an entry for “Dispatcher Determined Fort Snelling” which includes a geographic descriptor of “Fort Snelling” in addition to “Dispatcher Determined.” The descriptions of these three elements currently state, for example, “Note: In cases where there is no fire response agency specified, use “Dispatcher Determined.” This guidance omits the reference of a geographic descriptor. For consistency, therefore, the descriptions of elements 3.1, 4.1, and 5.1 should be modified to clarify the use of “Dispatcher Determined” <u>and</u> a geographic descriptor (which may require a related domain addition request.)</p>	MESB - Broman 7/18/22	<p><b>Action: Change the Descriptions of the Law, Fire and EMS Agency Name elements to include this verbiage:</b></p> <p>“Note: in the cases where there is no [law enforcement],[fire response],[EMS provider] agency specified, use “Dispatcher Determined-” along with an appropriate geographic descriptor.”</p>
10	<p>In the Law/Fire/EMS elements: what if the correct “responder” is more than one Law or Fire or EMS agency for a single ESZ? Is that allowed? For example: FIRE_NAME = Chanhassen Fire &amp; Chaska Fire.</p>	Kay Simons – MESB 6/24/22	<p>Leave as-is. This is out of scope for this exchange standard. It is expected that the SECB NG911 GIS Data Workgroup will take this up as a discussion item related to the standardization of emergency service agency names work that was done in 2021.</p>
	<b>Section 4. Fire Elements</b>		

11	In development of the initial agency name domains, the SECB Agency Name Standardization workgroup led by Matt Goodman published guidelines that stated, "Also, in rare instances coverage agreements between multiple agencies are too complex to determine a primary agency. In these cases, it is OK to formulate a value consisting of a geographic descriptor and the term 'Dispatcher Determined'." As a result, the GAC LawName, FireName, and EMSName domains each contain an entry for "Dispatcher Determined Fort Snelling" which includes a geographic descriptor of "Fort Snelling" in addition to "Dispatcher Determined." The descriptions of these three elements currently state, for example, "Note: In cases where there is no fire response agency specified, use "Dispatcher Determined." This guidance omits the reference of a geographic descriptor. For consistency, therefore, the descriptions of elements 3.1, 4.1, and 5.1 should be modified to clarify the use of "Dispatcher Determined" and a geographic descriptor (which may require a related domain addition request.)	MESB - Broman 7/18/22	<b>Action: see comment 9 above</b>
12	Law (3.1)/Fire (4.1)/EMS (5.1) elements - Description: "If there is no...agency specified, use Dispatcher Determined". There is no "Dispatcher Determined" in any of the State Domains. The closest is "Dispatcher Determined Fort Snelling."	Kay Simons – MESB 6/24/22	<b>Action: see comment 9 above</b>
<b>Section 5. EMS Elements</b>			
13	In development of the initial agency name domains, the SECB Agency Name Standardization workgroup led by Matt Goodman published guidelines that stated, "Also, in rare instances coverage agreements between multiple agencies are too complex to determine a primary agency. In these cases, it is OK to formulate a value consisting of a geographic descriptor and the term 'Dispatcher Determined'." As a result, the GAC LawName, FireName, and EMSName domains each contain an entry for "Dispatcher Determined Fort Snelling" which includes a geographic descriptor of "Fort Snelling" in addition to "Dispatcher Determined." The descriptions of these three elements currently state, for example, "Note: In cases where there is no fire response agency specified, use "Dispatcher Determined." This guidance omits the reference of a geographic descriptor. For consistency, therefore, the descriptions of elements 3.1, 4.1, and 5.1 should be modified to clarify the use of "Dispatcher Determined" and a geographic descriptor (which may require a related domain addition request.)	MESB - Broman 7/18/22	<b>Action: See comment 9 above</b>

14	Under the First elements, we added an item for Heavy Rescue Extraction. Not all our rural fire departments have that capability, so it is dispatched separately. EXTRACT_NAME, text, 60.	Clay County - Mark Sloan 7/5/22	<b>Action: add an additional line to the second paragraph of the Purpose of this Standard section to include additional clarification of the intent of this standard.</b> Add: “This standard is not intended to capture all possible nuances of dispatching such as specialized public safety response nor is it intended to replicate the NENA NG9-1-1 geospatial data model; however, it presents a standardized format that could be transformed into such a model using appropriate look-up tables.”  This standard provides a data exchange framework for ESZ data that attempts to accommodate the needs of most data providers while still keeping the standard as simple as possible. Individual data providers are encouraged to customize their data as needed to fulfill their own business needs.
	<b>Section 6. Wireless Elements</b>		
	<b>Section 7. VoIP Elements</b>		
	<b>Section 8. Text Elements</b>		
	<b>Section 9. Administrative Elements</b>		
15	In the Administrative elements section, we added the County Code field so that it was consistent with Address Points and Road Center Lines. CO_CODE, text, 5	Clay County - Mark Sloan 7/5/22	Leave as-is. Unlike the Address Point and Road Centerline data standards, there is no clear business need to include both County Name and County Code in this standard.
	<b>Section 10. Maintenance Elements</b>		
16	Elements 10.1, 10.2, 10.3 For consistency with the schema spreadsheet, enter “Default” for Width in the standard document.	MESB - Broman 7/18/22	<b>Action: Add the word “Default” to the Width section in the ESZ Standard narrative document for element 10.1, 10.2 and 10.3</b>
17	Elements 10.1 to 10.3: add Default to Width field to match schema worksheet and model template ESZ feature class.	Kay Simons – MESB 6/24/22	<b>Action: Add the word “Default” to the Width section in the ESZ Standard narrative document for element 10.1, 10.2 and 10.3</b>
	<b>General Comments</b>		

18	<p>“Introduction” section</p> <p>The last sentence of the second paragraph (<i>ed. note: of the Introduction Section</i>) is the first time NG9-1-1 and NENA appear in the document. Spell these out followed by the acronym in parentheses. Spelling out of National Emergency Number Association in the “Sources of this Standard” section on page 5 could then just use the acronym NENA.</p>	MESB - Broman 7/18/22	<p><b>Action: provide fully spelled out descriptions of the acronyms used upon their first occurrence in the document.</b></p> <p>The last sentence of the 2<sup>nd</sup> paragraph will read:</p> <p>“Some of the attributes within this standard are intended to support the ability to derive other Next Generation 9-1-1 (NG9-1-1) required datasets, such as National Emergency Number Association (NENA) service boundary layers (e.g., PSAP boundaries, Law Enforcement Response Boundaries, etc.).”</p>
19	Add a sub-section under “Compliance Notes” for spatial reference system requirements when using this standard to exchange ESZ data, such as the use of WGS84 spatial reference system (the current NENA requirement for NG9-1-1 related geospatial data.)	MESB - Broman 7/18/22	Leave as-is. No reference to a specific Coordinate Reference System will be included which is consistent with other GAC standards.
20	There is no projection/spatial reference information provided. Based on this document, I could build an ESZ layer with the listed elements in any projection that I found convenient and submit it to the State.	MESB - Kay Simons 6/24/22	Leave as-is. No reference to a specific Coordinate Reference System will be included which is consistent with other GAC standards.
21	<p>Abbreviations and Acronyms section:</p> <p>Under Abbreviations and Acronyms, the term/acronym “ALI” is no longer used in this version of the draft standard and can be removed.</p>	MESB - Broman 7/18/22	<b>Action: Remove the definition and reference to ALI in the Abbreviations and Acronyms section.</b>
22	The domain, CountyName, has been mistyped in the schema gdb ( <i>ed. note: template</i> ) as “County Name” and should have the space removed to match the existing GAC domain name.	MESB - Broman 7/18/22	<b>Action: Make this correction to the Schema gdb template</b> Although the geodatabase templates are not part of this standard, this change will still be made to support this standard.

23	<p>GAC Domain Name: LawName</p> <p>Due to agency updates since the initial creation of the draft GAC Standard domains, as well as work surrounding refinement of agencies serving the greater Fort Snelling area, the following changes are requested to reflect law enforcement response agencies in the MESB region:</p> <ul style="list-style-type: none"> <li>• Add: <a href="#">Metropolitan Transit Police</a></li> <li>• Add: <a href="#">Minneapolis Park Police</a></li> <li>• Add: <a href="#">Federal Protection Service</a></li> </ul> <p>Add: <a href="#">Department of Natural Resources</a></p>	MESB - Broman 7/18/22	<b>Action: add domain additions as indicated.</b>
24	<p>GAC Domain Name: LawName</p> <ul style="list-style-type: none"> <li>• Add: <a href="#">Minnesota State Fair Police</a></li> </ul>	MESB - Broman 8/10/22	<b>Action: add domain additions as indicated.</b>
25	<p>GAC Domain Name: FireName</p> <p>Due to agency updates since the initial creation of the draft GAC Standard domains, the following changes are requested to reflect fire response agencies in the MESB region:</p> <ul style="list-style-type: none"> <li>• Add: <a href="#">Nowthen Fire</a></li> <li>• Add: <a href="#">South Metro Fire</a></li> <li>• Remove: <a href="#">South Saint Paul Fire</a></li> <li>• Remove: <a href="#">West Saint Paul Fire</a></li> </ul>	MESB- Broman 7/18/22	<b>Action: make domain changes as indicated.</b>
26	<p>GAC Domain Name: PSAPName (similar changes also submitted to FCC registry)</p> <p>Due to a recent PSAP name change the following update is requested:</p> <ul style="list-style-type: none"> <li>• Change (CODE &amp; VALUE): <a href="#">Dakota Communications Center Zone 1</a> to <a href="#">Dakota 911 Zone 1</a></li> <li>• Change (CODE &amp; VALUE): <a href="#">Dakota Communications Center Zone 2</a> to <a href="#">Dakota 911 Zone 2</a></li> <li>• Change (CODE &amp; VALUE): <a href="#">Dakota Communications Center Zone 3</a> to <a href="#">Dakota 911 Zone 3</a></li> </ul>	MESB - Broman 7/18/22	<b>Action: make domain changes as indicated.</b>
27	<p>Because MESB intends to be a data supplier exchanging ESZ data using this GAC standard for the metropolitan region, and is, therefore, the point of contact for the regional ESZ layer, the following update is requested:</p> <ul style="list-style-type: none"> <li>• Change (CODE): <a href="#">Mesb</a> to <a href="#">MESB</a></li> <li>• Change (VALUE): <a href="#">Mesb</a> to <a href="#">Metropolitan Emergency Services Board</a></li> </ul>	MESB - Broman 7/18/22	<b>Action: make changes to the GIS911POC domain as indicated.</b>
28	<p>GIS911POC: Mesb. If using only the initials, it would be "MESB". The fully spelled out version would be "Metropolitan Emergency Services Board"</p>	MESB - Kay Simons 6/24/22	<b>Action: see comment 27 above</b>



29	We also added Square Miles. This is a question responders ask us regularly, and it is nice to have it readily available. SQUARE_MILES, Double, 12, 2	Mark Sloan - Clay County 7/5/22	Leave as-is. When dissolving an ESZ dataset to create individual ESB layers, this field would no longer be applicable. Individual data providers are encouraged to customize their data as needed to fulfill their own business needs.
30	We also added PSAP Code. This is so it was consistent with the other standards. PSAP_CODE, text, 5	Clay County - Mark Sloan 7/5/22	Leave as-is. The standard contains multiple PSAP Name elements. Adding a PSAP code element for each of these would overcomplicate the standard. Individual data providers are encouraged to customize their data as needed to fulfill their own business needs.
31	There is no mention in the appendices of - or a link provided to – the zipped geodatabase template that exists on the proposed standard’s webpage. The zipped geodatabase is the <i>only</i> place where there is projection/spatial reference information.	MESB - Kay Simons 6/24/22	Leave as-is. No reference to a specific Coordinate Reference System will be included which is consistent with other GAC standards. A reference to the templates is provided on each standard webpage. A reference will be added when the ESZ Standard webpage is created.
32	StateCode or State Code? “State Code” in model template ESZ feature class. StateCode in Standard PDF, Standard schema spreadsheet, & MN GAC Standards Domains spreadsheet.	MESB - Kay Simons 6/24/22	<b>Action: Make this correction if needed to the Schema gdb template.</b> Although the geodatabase templates are not part of this standard, this change will still be made to support this standard.
33	CountyName or County Name? “County Name” in model template ESZ feature class. CountyName in Standard PDF, schema spreadsheet, & MN GAC Standards Domains spreadsheet.	MESB - Kay Simons 6/24/22	<b>Action: Make this correction to the Schema gdb template.</b> Although the geodatabase templates are not part of this standard, this change will still be made to support this standard.