GIS Grant Funding Standards-FY2023 **June 9, 2022**

34A.7A: The program manager may also provide grants to joint 911 service boards and the department of public safety for the purpose of developing and maintaining GIS data to be used in support of the next generation 911 network. The program manager shall provide guidelines, application forms, and notice of the availability of such grants on the department's internet site.

For FY 2023 GIS data accuracy will be measured against four categories for qualifications of GIS grant funding. NG911 GIS Data Accuracy, ALI Standardization, Critical Errors, and Quarterly Uploads.

Maximum grant funding remains at $12,000 for the year per PSAP, or $3,000 per quarter per PSAP.

NG911 GIS Data Accuracy

Definition: Submission of all required NG911 GIS Data layers including Road Centerlines, Site/Structure Address Points, PSAP Boundary, Emergency Service Boundaries (Fire, LE, EMS), Provisioning (Authoritative) Boundary, ALI and MSAG that meets the requirements of the IA 911 NGGIS Standard.

Criteria: Overall GIS accuracy at or above 98% and submission of all required data layers.

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ALI Standardization

Definition: The process of standardizing the road names and their elements in the ALI database prior transitioning to NG911 call routing where the GIS road centerline is used to create a GIS based MSAG for call routing.

Additional Information: It is typical for an ALI and MSAG to contain short forms of road names and their elements that do not meet the NG911 standards (e.g. AV – instead of AVE, 1 ST – instead of 1ST ST) each PSAP should focus on standardizing their ALI and MSAG to contain the official street names instead of the short formats. This will require a mass update of the ALI and MSAG through Comtech to insure no wireline 911 calls are alienated and unable to be routed to the appropriate PSAP.

Criteria: ALI Synchronization to GIS Road Centerline accuracy rate of 98% or above.

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Critical Errors

Definition: Critical errors in the GIS data will prevent GIS datasets from being provisioned to the statewide geodatabase for NG9-1-1 call routing and to the Comtech ALI 6.0 file.

Additional Information: All errors identified as critical are identified as such in the GIS Data Summary Report under the Analytics tab within GIS Data Hub each time the GIS data undergoes QC. The following are critical errors:

- Acceptable Values in all data layers [*formerly identified as: Value Outside Domain (mandatory fields)]*
- Address Range Overlaps
- Duplicate Values [*formerly identified as: Site/Structure Address Point Duplicates*]
- Empty Geometry in all data layers
- Features Outside of Polygon (Road Centerlines and Site/Structure Address

Points [*formerly known as: Roads not covered by Provisioning Boundary and Site/Structure Address Points not covered by Provisioning Boundary*]
- Road Centerline features broken a Polygon (PSAP and Provisioning Boundary)
- Globally Unique ID in all data layers [*formerly identified as Duplicate Unique IDs*]
- Multipart Geometry (RCL) [*formerly known as Multi-part Geometry*]
- Null Value in Field in all mandatory fields [*formerly known as No Value (mandatory fields)*]
- Polygon Compare (Overhangs) [*formerly known as: Boundary must cover Provisioning Boundary*]
- Polygon overlap check [*formerly known as: Polygon overlaps*]

Criteria: Zero Critical Errors

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<u>Quarterly Uploads</u>

Definition: Iowa NG 911 GIS data is now a critical component of the Iowa 911 System. Updated GIS information is imperative for correct call routing. In order to incentivize providing updated GIS information, grant dollars will be awarded on a quarterly basis.

Criteria: NG911 GIS Data meeting all the above benchmarks, uploaded quarterly.

Data uploads will be reimbursed four times during the year. $3,000 per quarter will be awarded for all four criteria being met. If all criteria is met every quarter, 911 Service Boards will receive $3,000 for the period. If a county is unable to meet the benchmarks during a particular quarter, they are still eligible for grant funding during quarters that the county does successfully meet the benchmark.

Counties should review the most recent QA/QC report which will give counties an idea of where they currently stand. The updated QA/QC report will be provided monthly. *(If your county's row contains an "N/A" this indicates that GeoComm has not received data sets to run for QA/QC or ALI/MSAG synchronization.)*

Please review this information with both your GIS and PSAP manager. GeoComm is available to assist each county with guidance on meeting the benchmarks.
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