

## FY17 GIS Matrix

Data Production				Data Transfer
Enterprise Software / Hardware	GIS Tools	Data	Map Data Transfer to / from the PSAP	
<p>Latest version of ESRI supporting the PSAP with enterprise considerations.</p>	<p>Maintenance Field/Office Tools for 9-1-1 applications, supporting the PSAP/PSAP with enterprise considerations.</p>	<ul style="list-style-type: none"> <li>• Data Manipulation (MSAG or NG911 Valid) of:                             <ul style="list-style-type: none"> <li>- Road Centerlines</li> <li>- Address Building Points and/or Polygons</li> <li>- Emergency Service Zones</li> <li>- PSAP Boundaries</li> <li>- Authoritative Boundaries</li> <li>- County / Municipal Boundaries</li> </ul> </li> <li>• Format Conversion</li> </ul>	<ul style="list-style-type: none"> <li>• Real-Time</li> <li>• Scheduled/On Demand</li> </ul>	
<p>"Latest version of ESRI Supporting the PSAP with Enterprise Considerations"</p> <p>Considerations may be made for previous versions if needed for compatibility.</p>	<ul style="list-style-type: none"> <li>• "<u>GIS Field/Office Tools</u>" refers to those tools that would be used as extensions of, or in conjunction with, standard ESRI software. These tools provide features and functionality that are specifically for the maintenance of public safety map data sets.</li> </ul>	<ul style="list-style-type: none"> <li>• "MSAG Valid" refers to map data attributes and spatial relationships existing in the map data so that the map data is an accurate representation of the records contained in the 9-1-1 Database Provider's Master Street Address Guide (MSAG) (e.g., map data attributes are consistent with naming standards in the MSAG; road centerlines broken, and common nodes exist, at emergency service zone boundaries).</li> <li>• "NG911 Valid" refers to map data attributes and spatial relationships existing in the map data so that the map data is an accurate representation of minimum essential requirements for NG911.</li> <li>• "<u>Data Manipulation</u>" refers to the creation, enhancement, verification, or maintenance of map data.                             <ul style="list-style-type: none"> <li><u>Creation</u> = creating a map data set for the first time</li> <li><u>Verification</u> = audit of spatial or attribute accuracy of a map data set</li> <li><u>Enhancement</u> = applying non-existent spatial or attribute information to a map data set</li> <li><u>Maintenance</u> = when a map data set reaches an acceptable level of spatial and attribute accuracy, the addition of features to the map data set</li> </ul> </li> <li>• "Format Conversion" refers to the conversion of one map data format to a different map data format.</li> </ul>	<ul style="list-style-type: none"> <li>• "Real-Time" refers to the primary data used in an emergency services mapping application having a live and continuous map data connection to the map data source; such that when map data is edited by the GIS editing entity, it can be seen immediately in the emergency services mapping application.</li> <li>• "Scheduled/On Demand" refers to a process by which map data is distributed from a map data source to an emergency services mapping application on a predetermined reoccurring time period or via a software command.</li> </ul>	
<ul style="list-style-type: none"> <li>• Creation of entire road centerlines files (or datasets) or ortho photography already funded as statewide project will not be funded. (Verification, enhancement and maintenance of road centerlines is permissible.)</li> <li>• Addressing projects without GIS elements do not constitute GIS projects. For example, a project to verify addressing without a GIS element is not a GIS project and the priority for such a project would not be evaluated using the GIS prioritization matrix</li> <li>• Projects involving the verification of various E-911 databases such as the MSAG and the Automatic Location Information (ALI) database without GIS elements do not constitute GIS projects. For example, a project to verify address ranges in the MSAG without a GIS element is not a GIS project and the priority for such a project would not be evaluated using the GIS prioritization matrix. If, however, the MSAG verification project involves conversion or manipulation of GIS data (most projects such as this will), the GIS prioritization matrix should be used in determining project priority.</li> <li>• Non-MSAG/NG911 valid projects will not be funded.</li> </ul>				

Notes