

PSAP/GIS Specific NG9-1-1 Migration Proposal

Local Government Project Manager

PSAP Call Handling Systems and Applications

- Call Handling Equipment (CHE)
 - CHE Vendor
 - CHE Model
 - CHE Version Number (Front End)
 - CHE Version Number (Back End)
 - CHE Maintenance
 - CHE assessment: Confirm that CHE does not require any upgrades, has the ability to receive SIP communications natively at the call handling interface, and can receive Text-to-9-1-1.
 - Implementation steps and participants:
 - Milestones/target completion:
 - Fiscal consideration:
- Computer Aided Dispatch (CAD)
 - CAD Vendor
 - CAD Software Version
 - CAD assessment: Identify any impact to the current format of 9-1-1 mapping data based on locality's plan to consume geospatial data based on NENA standards.
 - Implementation steps and participants:
 - Milestones/target completion:
 - Fiscal consideration:
- Mapping
 - Dispatch Mapping Vendor
 - Dispatch Mapping Software Version
 - Mapping assessment: Identify any impact to the current format of 9-1-1 mapping data based on locality's plan to consume geospatial data based on NENA standards.
 - Implementation steps and participants:
 - Milestones/target completion:
 - Fiscal consideration:
- Logging and Recording
 - Logging Recorder Vendor
 - Logging Recorder Model
 - Logging Recorder Software Version
 - Logging recorder assessment: Identify any impact to current equipment or processes.
 - Implementation steps and participants:
 - Milestones/target completion:
 - Fiscal consideration:

- Data Analytics
 - Data Analytics Vendor
 - Data Analytics Software Version
 - Data analytics assessment: Identify impact to current data analytics program (ECaTS or native MIS).
- Other Systems or Applications
 - TBD
 - Other systems or application assessment: Identify the impact to any additional systems or applications.
 - Implementation steps and participants:
 - Milestones/target completion:
 - Fiscal consideration:

GIS Data Preparation

- Locality Data Readiness
 - Content/quality conformance
 - MSAG / ALI / GIS assessment: Confirmation of GIS data quality baseline and detailed improvement path.
 - Implementation steps and participants:
 - Milestones / Target Completion:
 - Fiscal consideration:
 - Edge-matching conformance
 - Internal (by PSAP) (as required): Resolution of areas of authoritative GIS data maintenance/provisioning within a PSAP footprint.
 - Implementation steps and participants:
 - Milestones / Target Completion:
 - Fiscal consideration:
 - External (neighboring PSAPs): Resolution neighboring PSAP boundaries and areas of authoritative GIS data maintenance / provisioning with neighboring PSAPs
 - Implementation steps and participants:
 - Milestones / Target Completion:
 - Fiscal consideration:
 - Data maintenance workflow / procedures: (today and future): Locality documenting GIS data maintenance workflows and validations to ensure synchronization across GIS layers.
 - Implementation steps and participants:
 - Milestones / Target Completion:
 - Fiscal consideration:
- Geospatial Call Routing / GIS readiness
 - GIS ingest readiness
 - Confirm data transfer from locality to provider SI: Confirm IT/cybersecurity issues for locality data provisioning and discrepancy management workflows

- Implementation steps and participants:
 - Confirm data ingest
 - Milestones / Target Completion:
 - Fiscal consideration:
 - Confirm locality data maintenance procedures / discrepancy management workflows with provider: Confirm locality GIS data maintenance workflow provider and discrepancy management support necessary maintenance.
 - Implementation steps and participants:
 - Milestones / Target Completion:
 - Fiscal consideration:
 - MSAG transition / confirmation
 - Confirm MSAG-from-GIS: Validate MSAG development from locality GIS data. Identify and remedy issues related to content, spatial extent of authoritative source, and maintenance/discrepancy resolution.
 - Implementation steps and participants:
 - Milestones / Target Completion:
 - Fiscal consideration:
- Administrative readiness
 - PSAP / GIS MOU-SLA (as appropriate): Document responsibilities and performance metrics for GIS maintenance in support of NG9-1-1 at locality level
 - Implementation steps and participants:
 - Milestones / Target Completion:
 - Fiscal consideration:
 - Initial roster of authoritative GIS data providers / contacts: Maintenance of POC roster for internal (by PSAP) reference, neighboring PSAPs, ISP, and providers.
 - Implementation steps and participants:
 - Milestones / Target Completion:
 - Fiscal consideration:

Call Routing

- Call routing path forward
 - Legacy routing to NG-Transitional Routing: Path to IP-call routing/ interim solution
 - Implementation steps and participants:
 - Milestones / Target Completion:
 - Fiscal consideration:
 - NG-Transitional Routing to Geospatial (AP-driven) Call Routing: <<Insert description>>
 - Implementation steps and participants:
 - Milestones / Target Completion:
 - Fiscal consideration:
 - Legacy routing to Geospatial (AP-driven) Call Routing:
 - Implementation steps and participants:
 - Milestones / Target Completion:
 - Fiscal consideration:

- Geospatial (AP-driven) call routing readiness
 - Confirm LVF prep: Provision GIS data from SI and confirm LVF functionality
 - Implementation steps and participants:
 - Milestones / Target Completion:
 - Fiscal consideration:
 - Confirm ECRF: Provision GIS data from SI and confirm ECRF functionality
 - Implementation steps and participants:
 - Milestones / Target Completion:
 - Fiscal consideration:
 - Confirm PRF: Confirm PRF functionality
 - Implementation steps and participants:
 - Milestones / Target Completion:
 - Fiscal consideration:

Network

- Redundancy and Diversity
 - 9-1-1 Service Provider
 - ALI Database Provider
 - Trunk Counts (all)
 - Serving Selective Routers
 - Redundancy and diversity assessment: The need to install a diverse and/or redundant IP connection to the PSAP. This may involve the installation of additional fiber optic cable or the use of another technology.
 - Implementation steps and participants:
 - Milestones/target completion:
 - Fiscal consideration:
 - Schedule for Deployment
 - Local Decision-Making Process: Identify individuals involved in decision making process and any approval steps the locality will need to complete before an NG9-1-1 decision can be made.
 - Prerequisite Milestones (Summary of milestones identified in all previous categories).
 - Identify the six month deployment window from the following deployment timing options:

Begin Date	End Date
Jan-19	Jun-19
Jul-19	Dec-19
Jan-20	Jun-20
Jul-20	Dec-20
Jan-21	Jun-21
Jul-21	Dec-21

- Consolidation or PSAP Relocation
 - Timeframe
 - Participating PSAPs
 - Consolidation or PSAP relocation assessment: Identify the impact of any planned consolidations or PSAP relocations to deployment schedule
 - Implementation steps and participants:
 - Milestones/target completion:
 - Fiscal consideration:

Cost Estimates for NG9-1-1 Funding

- Non-recurring costs
 - NG9-1-1 non-recurring cost
 - Special construction costs
 - GIS data
 - Legacy 9-1-1 service provider transition costs
 - Project management
 - Data analytics upgrade
 - Determine amount of NG9-1-1 funding request for 9-1-1 Services Board
- Recurring costs
 - NG9-1-1 recurring costs
 - Data analytics recurring costs
 - GIS maintenance recurring costs
 - Determine amount of NG9-1-1 funding request for 9-1-1 Services Board