



Maryland State Geographic Information Committee
A commitment to excellence in the development and coordination of geographic information technologies.

MSGIC and NG911

Patrick Callahan

MSGIC Chair

GIS Manager, Prince George's County

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MSGIC

The Maryland State Geographic Information Committee (MSGIC) is a non-profit organization that promotes the coordinated development among all entities (state, local, federal, and private sector) involved in the collection and/or use of spatial data and geographic information systems (GIS) within the State of Maryland.



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NG911 - MWCOCG

- Spring 2016 – 4 Maryland Counties began reviewing GIS data against the MSAG/Ani Ali data
 - 11 Virginia jurisdictions and the District of Columbia began their review in Fall 2015
 - An enhanced National Emergency Number Association (NENA) data standard was used for all MWCOCG NG911 data
 - Staff from each jurisdiction compared and fixed errors between Road Centerlines and Address Points
 - PSAP's met with surrounding PSAP's to resolve boundary issues



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NG911 – MWCOCG: May 2018 Results





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MSGIC Involvement

- Concerns were raised with the MSGIC Executive Committee regarding NG911 preparedness across the State
 - Most jurisdictions had not begun and were looking for direction
 - Confusion in what was needed for NG911
 - Organized training was needed to inform jurisdictions of NG911 needs
- October 2016: MSGIC voted to create a Public Safety/NG911

Working Group

- Educate, inform and work toward GIS solutions in Public Safety and Next Gen 9-1-1 to all stakeholders in the Public Safety Community throughout the State



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MSGIC Public Safety/NG911 Working Group

- Inform
 - Gathered PSAP Director and PSAP GIS analyst contact information.
 - Working with the State's Department of Information Technology (DoIT), organized several meetings with the stakeholders to discuss NG911 concerns and needs
 - Met with Maryland Emergency Numbers System Board (December 2016) to discuss GIS NG911 concerns





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MSGIC Public Safety/NG911 Working Group

- Educate
 - “Getting Ready for Next Gen 9-1-1” Urban and Regional Information Systems Association (URISA) training sponsored by MSGIC (2 sessions)
 - NG911 Workshops (July 2016 & 2017)





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Current NG911 Activities

- NENA Standard as the Maryland MWCOG Standard
 - MWCOG NG911 GIS data must be converted

Descriptive Name	NENA ROAD CENTERLINE FIELD STRUCTURE		MWCOG ENHANCED ROAD CENTERLINE FIELD STRUCTURE	
	Field Name	Field Width	Field Name	Field Width
Street Name Pre Modifier	St_PreMod	15	STREET_NAME_PRE_MODIFIER	30
Street Name Pre Directional	St_PreDir	9	STREET_NAME_PRE_DIRECTIONAL	12
Street Name Pre Type	St_PreTyp	50	STREET_NAME_PRE_TYPE	30
Street Name Pre Type Separator	St_PreSep	20	STREET_NAME_PRE_TYPE_SEPARATOR	30
Street Name	St_Name	60	STREET_NAME	75
Street Name Post Type	St_PosTyp	50	STREET_NAME_POST_TYPE	30
Street Name Post Directional	St_PosDir	9	STREET_NAME_POST_DIRECTIONAL	12
Street Name Post Modifier	St_PosMod	25	STREET_NAME_POST_MODIFIER	30

Address: 1600 South MACo Avenue Spur



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Current NG911 Activities

Pre Directional	Street Name	Street Type	Community	Low Address	High Address
	PEPPER TREE	DRIVE	BOWIE	14800	14899
	POACHARD	COURT	UPPER MARLBORO	1000	1099
	QUEEN ANNE BRIDGE	ROAD	BOWIE	16800	18699
	EAST RIDGE	ROAD	ACCOKEEK	3000	3099
	REED	STREET	LANHAM	2900	3299

- ← Space in Street Name
- ← Street Name Spelling
- ← Different Community Name
- ← Pre Directional in Street Name
- ← Address Ranges don't Match

Pre Directional	Street Name	Street Type	Community	Low Address	High Address
	PEPPERTREE	DRIVE	BOWIE	14800	14899
	POCHARD	COURT	UPPER MARLBORO	1000	1099
	QUEEN ANNE BRIDGE	ROAD	UPPER MARLBORO	16800	18699
EAST	RIDGE	ROAD	ACCOKEEK	3000	3099
	REED	STREET	LANHAM	2800	3212



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Current NG911 Activities

Jurisdiction	First Match	Jurisdiction	First Match
Allegany	93.1%	Harford	84.6%
Anne Arundel	93.8%	Howard	78.0%
APG		Kent	98.2%
Baltimore	0.0%	Montgomery	98.5%
Baltimore City	97.8%	Ocean City	
Calvert	65.9%	Prince George's	87.6%
Caroline	71.4%	Queen Anne's	93.0%
Carroll	58.6%	St Mary's	89.9%
Cecil	99.9%	Somerset	1.0%
Charles	98.4%	Talbot	97.8%
Dorchester	96.9%	Washington	95.8%
Frederick	86.6%	Wicomico	96.3%
Garrett	9.1%		

First Run percentages for the State using Mission Critical Partner's validation GIS tool against the NENA Standards



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Future MSGIC NG911 Questions

- GIS data is changing daily and must be updated frequently by each jurisdiction to maintain accuracy
- Changes to the PSAP boundary must be agreed upon by neighboring jurisdictions
- Will there be a need to update MSAG/ALI and who will be the State liaison?
- Who will be the liaison working with Emergency Services IP Network (ESInet) service provider?
- NG911 GIS Governance Committee or Working Group?



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Questions?

Patrick Callahan

MSGICEmail@gmail.com

PTCallahan@co.pg.md.us