

SDR Announces



MSAG Toolkit

MSAG Toolkit™ 1.0

Increase the accuracy and save valuable time by automating the creation and maintenance of your MSAG

Maintaining a GIS-based MSAG will assure synchronization between your GIS data and your MSAG. This synchronization is essential for accurate 9-1-1 call mapping

SDR's MSAG Toolkit was designed for users responsible for maintaining **Road Centerlines, ESZ Boundaries, Telephone Exchange Boundaries, and MSAG Community Boundaries**. Maintaining this information manually can be time consuming and lead to errors. In an emergency situation accurate information can make all the difference.

MSAG Toolkit Features:

The MSAG Toolkit is a suite of tools designed to automate MSAG creation and maintenance.

With the MSAG Toolkit the user can:

- Code Road centerlines with ESN, Community and Telephone Exchange values
- Identify GIS errors which prevent accurate coding such as inaccurate topology
- Produce a NENA standard MSAG
- Track MSAG changes by comparing a previously-generated MSAG with the current MSAG

The MSAG Toolkit consists of three powerful tools:

- The MSAG Prep Tool
- The MSAG Writer Tool
- The MSAG Compare Tool

DIR	STREET	LOW	HIGH	EOB	ESN	COMMUNITY	EXCHANGE	PSAP	STATE	MSAGDATE
	CINNAMON DR	1	254	B	1108	ELLINGTON	ELLG	RCSO	MO	4/13/2008
	CIRCLE DR	1	1099	B	1103	LESTERVILLE	LEST	RCSO	MO	4/13/2008
	CLARK ST	200	299	B	1109	ELLINGTON	ELLG	RCSO	MO	4/13/2008
	COLLEGE AVE	0	499	B	1109	ELLINGTON	ELLG	RCSO	MO	4/13/2008
	COLORADO ST	600	699	B	1109	ELLINGTON	ELLG	RCSO	MO	4/13/2008
	CONSERVATION AREA RD	1	225	B	1109	ELLINGTON	ELLG	RCSO	MO	4/13/2008
	COTTONWOOD DR	1	349	B	1108	ELLINGTON	ELLG	RCSO	MO	4/13/2008
	COUNTY ROAD 146A	3125	5012	B	1106	ANNAPOLIS	ANNP	RCSO	MO	4/13/2008

MSAG Prep

Road Feature Class: ROAD roads

Boundary Feature Classes	Value Field	Within Field	Even Field	Odd Field
TELCO telco	EXCHANGE	TELCO	ETELCO	OTELCO
ESN esns	ESN	ESN	EESN	OESN
COMM community				

MSAG Write

Select Road Feature Class: REY_RDS_LIVE

Field	Value
ESN Field	ESN
Even ESN Field	EESN
Odd ESN Field	OESN
TELCO Field	Telco
Even TELCO Field	Etelco
Odd TELCO Field	Otelco
COMMUNITY Field	Comm
Even COMMUNITY Field	Ecomm
Odd COMMUNITY Field	Ocomm

Road Fields: Prefix, Name, Suffix, Post Directional

Address Range Fields: Left Low, Left High, Right Low, Right High

State: MO, PSAP ID: RCSO, GAP Value: 500

MSAG File Name: C:\911\Iron_Reynolds\MSAG_041308.dbf

Buttons: About, Cancel, Run



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For More Information Call 1-800-238-1911

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The MSAG Prep Tool

The MSAG Prep Tool is used to perform spatial-based calculations and code road centerlines based on three boundary layers. All road segments within a specific ESZ polygon will be coded with the ESN associated with that area, just as all road segments within a specific community polygon will be coded with the Community name associated with that area.

The MSAG Writer Tool

The MSAG Writer Tool will analyze the data in your coded road centerline feature class and from this data will create a NENA-standard formatted MSAG in .dbf format.

The MSAG Compare Tool

The MSAG Compare Tool is used to determine MSAG changes from one MSAG run to another. The tool allows you to pick two different MSAGs generated from the same dataset (at different times) and produce a report showing the differences between the two MSAGs. The tool produces a report in tabular and HTML format. The results are grouped to show the known original MSAG record followed by the changes.

MSAG Error Comparison MSAG_41308

C:\911\Iron_Reynolds\MSAG_041308_COMPARE.html

MSAG ERROR COMPARISON MSAG_41308...

To help protect your security, Internet Explorer has restricted this webpage from running scripts or ActiveX controls that could access your computer. Click here for options...

TOTAL VARIATIONS

MSAG EDITION	PREFIX	STREET NAME	LOW	HIGH	ESN	EOB	COMM	EXCHANGE
4/13/2008 12:00:00 AM		APRICOT AVE	1	2064	1104	B	BUNKER	BUNK
4/13/2008 12:00:00 AM		COUNTY ROAD 314	1	634	1103	B	ELLINGTON	REDF
4/13/2008 12:00:00 AM		COUNTY ROAD 314B	1	634	1103	B	ELLINGTON	REDF
4/13/2008 12:00:00 AM		COUNTY ROAD 336	1	2361	1111	B	ANNAPOLIS	LEST
4/13/2008 12:00:00 AM		COUNTY ROAD 336	1	1074	1111	B	ANNAPOLIS	LEST
4/13/2008 12:00:00 AM		COUNTY ROAD 338	1	837	1111	B	ANNAPOLIS	LEST
4/13/2008 12:00:00 AM		COUNTY ROAD 340	1	1601	1110	B	ELLINGTON	REDF
4/13/2008 12:00:00 AM		COUNTY ROAD 346	1	342	1104	B	ELLINGTON	CENT
4/13/2008 12:00:00 AM		COUNTY ROAD 346	1	366	1104	B	ELLINGTON	CENT
4/13/2008 12:00:00 AM		COUNTY ROAD 368	1	4444	1103	B	LESTERVILLE	LEST
4/13/2008 12:00:00 AM		COUNTY ROAD 368	1	856	1103	B	LESTERVILLE	LEST
4/13/2008 12:00:00 AM		COUNTY ROAD 368	857	4444	1103	B	LESTERVILLE	LEST
4/13/2008 12:00:00 AM		PRIMROSE CT	1	2042	1101	B	BUNKER	BUNK

ADDS

MSAG EDITION	PREFIX	STREET NAME	LOW	HIGH	ESN	EOB	COMM	EXCHANGE
4/13/2008 12:00:00 AM		APRICOT AVE	1	2064	1104	B	BUNKER	BUNK
4/13/2008 12:00:00 AM		COUNTY ROAD 314B	1	634	1103	B	ELLINGTON	REDF
4/13/2008 12:00:00 AM		COUNTY ROAD 368	857	4444	1103	B	LESTERVILLE	LEST
4/13/2008 12:00:00 AM		PRIMROSE CT	1	2042	1101	B	BUNKER	BUNK

DELETES

MSAG EDITION	PREFIX	STREET NAME	LOW	HIGH	ESN	EOB	COMM	EXCHANGE
4/13/2008 12:00:00 AM		COUNTY ROAD 314	1	634	1103	B	ELLINGTON	REDF
4/13/2008 12:00:00 AM		COUNTY ROAD 338	1	837	1111	B	ANNAPOLIS	LEST
4/13/2008 12:00:00 AM		COUNTY ROAD 340	1	1601	1110	B	ELLINGTON	REDF

CHANGES

MSAG EDITION	PREFIX	STREET NAME	LOW	HIGH	ESN	EOB	COMM	EXCHANGE
4/13/2008 12:00:00 AM		COUNTY ROAD 336	1	2361	1111	B	ANNAPOLIS	LEST
4/13/2008 12:00:00 AM		COUNTY ROAD 336	1	1074	1111	B	ANNAPOLIS	LEST
4/13/2008 12:00:00 AM		COUNTY ROAD 346	1	342	1104	B	ELLINGTON	CENT
4/13/2008 12:00:00 AM		COUNTY ROAD 346	1	366	1104	B	ELLINGTON	CENT
4/13/2008 12:00:00 AM		COUNTY ROAD 368	1	4444	1103	B	LESTERVILLE	LEST
4/13/2008 12:00:00 AM		COUNTY ROAD 368	1	856	1103	B	LESTERVILLE	LEST

MSAG Compare Tool

SDR offers on-site training and installation for the MSAG Toolkit and includes a detailed user manual.

Requirements

An increasing number of Windows applications are taking advantage of Microsoft's .NET technology. SDR's MSAG Toolkit has been developed utilizing this technology and requires that a few key components be installed on your system to ensure a successful implementation.

To successfully install SDR's MSAG Toolkit 1.0 the following must be installed on your MS Windows XP with SP2 machine.

- Microsoft .NET Framework
- ESRI .NET Support Assemblies
- ArcMap with Service Pack 4 (SP4)



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