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|  **GEO Change Request version 4.16** |
| **1. Title:** Modify FGDC\_TVBatch metadata validator schemas to validate specific data strings for the Redistricting 2010 TIGER/Line shapefiles:a) contact email address (cntemail) element is geo.tiger@census.govb) edition (edition) element is 2010**c)** metadata date (metd) is in a YYYYMMDD formatd) on-line linkage (onlink) and network resource name (networkr) elements are: <http://www.census.gov/geo/www/tiger>This needs to be implemented prior to the re-start of the Redistricting 2010 TIGER/Line shapefiles production. | 2. Request Number:   MT.CR6383  |
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| **3. Requestor:**  |
| **Name:**  | **Division:** | **Branch:** | **Phone:** |
| Lynda Liptrap | GEO  | NSGPB | 31058 |
| **4. Authorizing Official:** *<supervisor/project manager/Branch Chief>*  | **5. Submission Date:** | **6. Requested Implementation Date** |
| Randy Fusaro, Jennifer Holland | 9/01/2010 | 9/3/2010 |
| **7. Priority:**  | [ ]  **Emergency \*** | [ ]  **Routine**  | [x]  **Routine: SW Release Only \*** | [ ]  **Routine: Initial Document Baseline** |
| *\* For Emergency or SW Release Only requests, enter the approving Project Managers/ADCs (2 names are required) below:* |
| Randy Fusaro, Jennifer Holland, Mike Ratcliffe, Deirde Bishop |
| **8. Project(s) :** *<E.g., BAS, ACS, GUSSIE, GAADS. “Not applicable” may be used if the change is not specific to a project. >* |
| 2010 Redistricting TIGER/Line Shapefiles |
| **9. Description:** *<For data fixes (and other requests if known), identify the responsible software development branches in a list at the top of the Description and with each detailed item for which that development branch is responsible. Include an English-language description of the requested new or modified functionality, expected results, document titles, etc. When changing requirements, legal values, business rules, etc. include the existing and proposed state of those items. Include Requirement and Business Rule ID numbers. Include the links/traceability (Requirement IDs) for new or change requirements. The Description must be sufficient so that the reviewers and approvers have a reasonable understanding of the nature of the change(s), including the before and after state if the change is implemented. >* |
| NSGPB is responsible for making the proposed changes to the FGDC\_TVBatch schemas. WCB will need to incorporate the new schemas before the restart of production of the Redistricting 2010 TIGER/Line shapefilesGPB concurred that the validation of the content of these metadata elements can be automated. Currently the content for the contact email address (cntemail), edition (edition), metadata date (metd), on-line linkage (onlink), and network resource name (networkr) metadata elements is verified through a manual interactive check. The proposed change will add these checks to the automated validation process that was in production. Two test metadata files will be provided. One that is correct and should pass validation and one that is incorrect and should fail validation. The test files and corresponding list file is in Serena.  |
| **Attachment(s) Included:** **[x]  Add Filename(s) and English-language Title(s) Below:**  |
| Release Notes\_FGDC\_TVBatch\_3.doc  |
| **10. Justification:** *<Why is this change needed?>* |
| To increase productivity by eliminating a manual interactive checks of the content of several metadata elements for the 2010 Redistricting TIGER/Line shapefiles.  |
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| Implementation/Software Deployment |
| **11. Application:** |
| **Name:** | **Version Number** |
| FGDC\_TVBatch | 3 |
| **12. Software Contact Person (Developer):** |
| **Name:** | **Branch:** | **Phone Number:** |
| Lynda Liptrap | NSGPB | 31058 |
| **13. Version Manager Location:** |
| \\node21\MAFTIGER\GPMS\_2 |
| **14. Version Manager Label and Files:** *<Examples: PDTABBLK\_BAS2008.v2.0.4, CAPI\_BLD\_2.0.0.7, ADDCAN\_BLD\_1.1.2, and ACSGRFC\_WEBCSv1.0. List all files. If the list is extensive, at a minimum state the number of files that must be released. >* |
| Label = FGDC\_TVBatch\_v3.1. files must be released:
2. Copy the following file(s) as text:

from: Serena VM : MAFTIGER : GPMS\_2 : Source : xsd Schemasto: /mt/apps/gpms/xsd* 1. CitationInformation.xsd v. 1.2
	2. ContactInformation.xsd v. 1.1
	3. DistributionInformation.xsd v. 1.1
1. Copy the following file(s) as text:

from: Serena VM : MAFTIGER : GPMS\_2 : Data : Input : Listto: /mtdata/geo/gpms/input/list* 1. test\_list.txt
1. Copy the following file(s) as text:

from: Serena VM : MAFTIGER : GPMS\_2 : Data : Input : FGDCto: /mtdata/geo/gpms/input/fgdc* 1. tl\_2010\_02\_prisecroads.shp.xml
	2. tl\_2010\_02\_prisecroads\_error.shp.xml
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| **15. Processing Dependencies:** *<Examples: specific jobs must be idled down, processing must occur in a specific order, etc. >* |
| Install prior to re-start of the 2010 Redistricting TIGER/Line shapefile production  |
| **CM Instructions** |
| **16. Environments:** *<Check all that apply. Most emergency requests must be deployed to both ITV and Production, unless the version of the application was previously released to ITV and must now be released to production on an emergency basis. >* |
| [x]  **ITV** | [x]  **Production** |
| **17. CM Detailed Instructions:** *<Include the operating system (Linux) location for the files, any necessary directories that must be created, and any other special instructions or commands for the CM team. >* |
| See section 14. above  |
| **DBA Instructions** |
| **18.** **NO DBA ACTION REQUIRED** [x]  *<If no DBA action is needed, check the box and skip the DBA sections below.>* |
| **19. Environments:** *<Check all that apply.>* |
| [ ]  **ITV** | [ ]  **Production** | [ ]  **SysTest** | [ ]  **Other(s):** *<Specify below>* |
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| **20. Databases:** *<Check all that apply.>*

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| [ ]  **MAF/TIGER:** *<Specify schemas below>* | [ ]  **Benchmark:** *<Specify benchmark names below>* |
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| [ ]  **Product Database:** *<Specify PDB names below>* | [ ]  **Other(s):** *<Specify names below>* |
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| **21. DBA Detailed Instructions:** *<Include runtime arguments for scripts or programs. List all instructions, commands, grants, wallet\_name, schema names the wallet will connect to, etc. List any other information not specified above, including additional schema names, etc. >* |
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| **Other Instructions** |
| **22. Other Detailed Instructions:** *<Include actions and which group, team, branch, etc. is responsible for implementing these actions. Include run time arguments and any other instructions for each group. >* |
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| Analysis |
| **23. Type of Change(s):** *<Provide some general indicators of the type of change. Check all that apply.>*

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| [ ]  **Data Fix** | [ ]  **Database Change** | [ ]  **Defect** |
| [ ]  **Requirement Change** | [ ]  **Design Change** | [ ]  **Adding to Baseline** |
| [ ]  **Documentation Change** | [ ]  **Schedule Change** | [x]  **Software Change** |
| [ ]  **Other:** *<Specify below>* |
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| **24. Impacts:** *<What is the impact of the change to schedule, cost, resources, testing, work products (applications, databases, artifacts, documentation)? Specify the resources involved and the time required. For reimbursable projects, involve the budget staff to describe the cost impact. For the Database(s) and Core Functionality check all that apply and enter resource estimates to the right of the checked items. >*

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| **Database(s):** | **Core Functionality:** |
| [ ]  **MAF/TIGER**  | [ ]  **Address API**  |
| [ ]  **Benchmark**  | [ ]  **Core API**  |
| [ ]  **Legal Values**  | [ ]  **Business Rules**  |
| [ ]  **Product**  | [ ]  **Feature Management**  |
| [ ]  **Universal Schema**  | [ ]  **MT EXTension LIBrary**  |
| [ ]  **Other:** *<Specify below>*  | [ ]  **MT\_Topomap**  |
|  | [ ]  **MT\_UTIL**   |
|  | [ ]  **Standardizer**  |
|  | [ ]  **Other:** *<Specify below>*  |
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| **Application(s) and/or Product(s):** *<E.g., Spatial or Address Update Applications, Spatial or Address Products, Benchmarking Software, Mapping, GATRES, Geographic Reference Files, MAF Browser, etc. List the application/product, time estimate, and responsible branch, group, or team. >* |
| 2010 Redistricting TIGER/Line shapefile metadata production |
| **Documentation:** *<Specify the document titles and filenames, the time estimates, and responsible branch, group, or team. >* |
| GPMS FGDC\_TVBatch.pl ITV and Production Release Version 1 Release Notes July 30, 2008 |
| **Schedule(s):** *<If this change impacts any baselined schedule(s), enter the Schedule Name(s), Activity ID(s), date changes, and changes to predecessor/successor relationships, e.g., ACS08.1.44.19 DSF Refresh PCS; Activity IDA9380; Start Date changes from 3/1/2008 to 3/17/2008; End Date Changes from 4/1/2008 to 4/15/2008; no predecessor/successor relationship changes. >* |
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| **Any other items or information :** *<Specify below>*Two test metadata files will be provided. One that is correct and should pass validation and one that is incorrect and should fail validation. |
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| **25. Risk Assessment:** *< What are the risks to the project/operation/product if the change is (or is not) made? Is this a straight forward change or does it involve complex changes to multiple systems? What risks are there to the schedule, budget, resources, and quality? >* |
| **a. Risks associated with making this change** | **b. Risks associated with NOT making this change** |
| It may find errors that could slow down production but it is extremely unlikely as checks done to prototype files have shown no problems and these are not problematic metadata elements.  | Spending human resources on manual checks. |
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| Technical Review Board Disposition |
| **26. Date Reviewed by TRB:**  |  |
| 27. TRB Recommendation:

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| [ ]  Forward for Final Disposition, Recommend Approval | [ ]  Forward for Final Disposition, Recommend Rejection |
| [ ]  Return to Requestor (additional clarification/analysis is needed on the request) | [ ]  Invalid Request |

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| 28. Comments: *<Complete this section if a request is Returned, Recommended for Rejection, or deemed Invalid. Describe the issues that resulted in that determination and/or the changes that need to occur to the request. >* |
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| Final Disposition |
| **29. Date Reviewed:**  | **30. Decision Date:** |
| 9/1/10 | 9/2/10 |
| 31. Change Request Approval Path:

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| [ ]  **Geography Change Control Board** | [ ]  **Geography Implementation Change Control Board** |
| [x]  **Project Manager(s):** *<specify below>* | [ ]  **Other:** *<specify below>* |
| Deirdre Bishop and Mike Ratcliffe |  |

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| 32. Disposition:

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| [x]  **Approved** | [ ]  **Approved with Changes**  | [ ]  **Rejected**  | [ ]  **Pending**  |

**Comments:** *<Complete this section if a request is Pending, Rejected, or Approved with Changes. Describe the issues that resulted in that determination and/or the changes that need to occur to the request. >* |
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| Configuration Management Control, Status, & Resolution |
| **33. Date initially received by CM:** | **34. Date closed by CM:** |
| 9/1/10 |  |
| 35. Geography Division Status:

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| [x]  **Open** | [ ]  **Invalid (Closed)**  | [ ]  **Withdrawn (Closed)**  | [ ]  **Implemented (Closed)** |

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| **36. Resolution:** *< Supply any information for tracking the CR, identifying revisions to the CR, steps taken to release software, etc. >* |
| 9/1/10 kcc: Sent to Mike and Deirdre for approval09/01/2010 06:09 PM cc per Mike – Approved09/02/2010 08:03 AM ksm: Deirdre approved.9/2/10 ksm; Need ITVB/WCB acceptance.09/02/2010 06:54 AM cc per Ron B - Security Impact Assessment for MT.CR.6383:The routine requirement changes and release of this software update for a production software module does not change the current compliant status of this component of the CEN07 Geographic System with respect to security control implementation requirements.09/02/2010 cc 8:33 AM – Good Morning Lynda,CM has questions about your request MT.CR.6383.1 |
| **Template Information:** |
| **Filename:**  | GEO.CM.CR.Form.Template.doc | **Doc Number:** | GEO.CM.005 |
| **Version:**  | 4.16 | **Type:**  | Template |
| **Approval Date:**  |  |  |  |