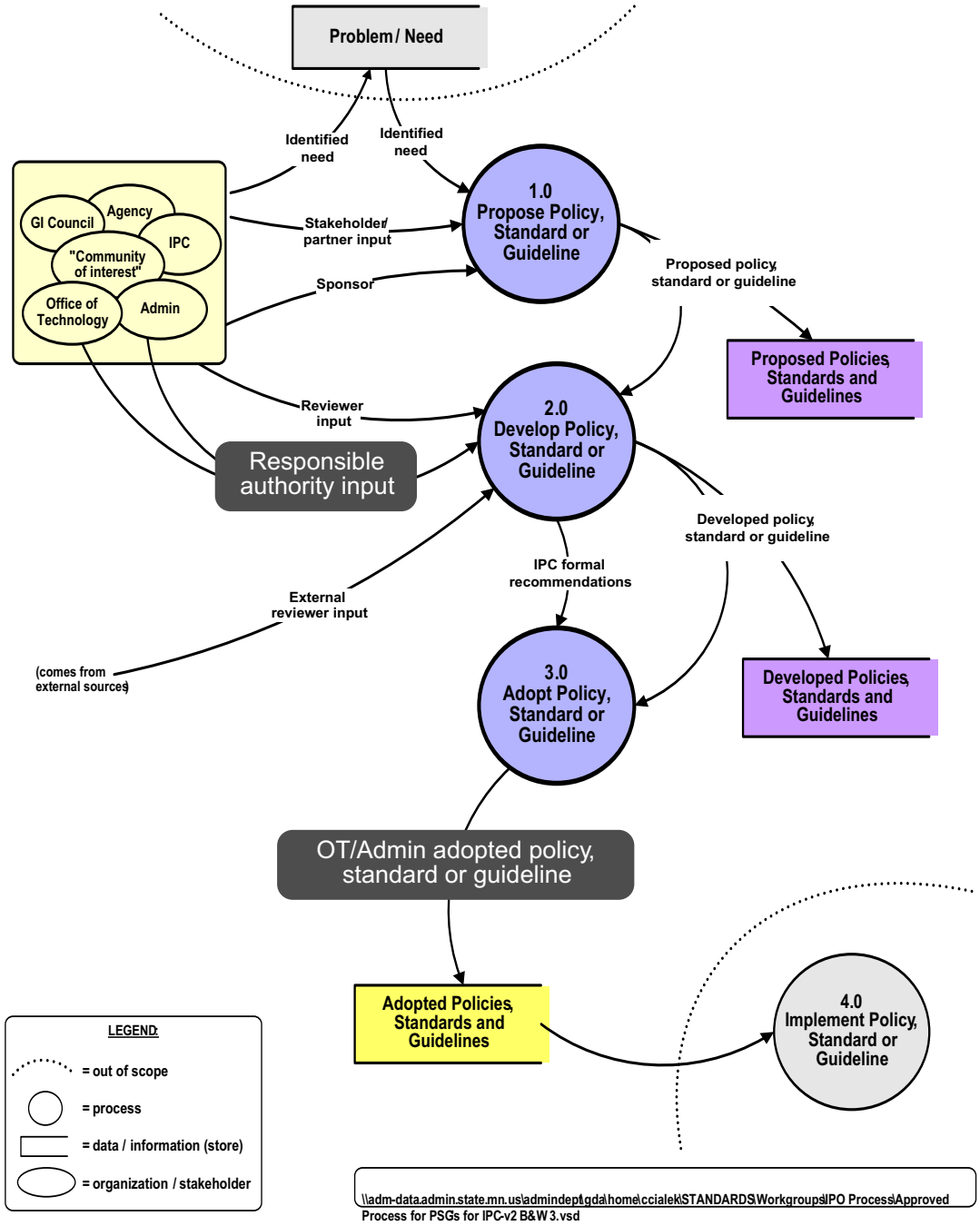
Chris Cialek
Statewide Advisory
March 31, 2011

# Geospatial Standards Status and Recommendations to the OET

# Geospatial Standards

| Year | Standard |
|---|---|
| **1997** | ***Codes for MN Counties*** |
| **1998** | ***State Agency Coordinate Interchange*** |
| **1998** | ***Geographic Metadata*** |
| **2000** | ***Positional Accuracy*** |
| 1994 | *Codes for the Identification of States* |
| 2002 | *Codes for Lake and Wetland Basins* |
| 2006 | *Codes for Watersheds* |
| 2008 | *River Reach/Water Course IDs* |
| 2009 | *City, Township and Unorganized Territory Identifiers* |
| 2009 | *U.S. National Grid* |
| - | *Stormwater Conveyance* |
| - | *Thoroughfare, Landmark, and Postal Address Data Standard* |
| - | *MN Geocode Model* |

# Approved Process for Developing Policies, Standards and Guidelines



Admin MINNESOTA — Department of Administration

DATE: June 9, 2000

**POLICY & PROCEDURE**
**ADMIN 00.04**

TO: State Agency Heads
CC: Chief Information Officers, Information Policy Council and Interested Parties, MIS Directors, Geographic Information Specialists

FROM: David F. Fisher, Commissioner

SUBJECT: **Minnesota State Agency Spatial Data Accuracy Standard**

This memo announces the adoption of *A Methodology for Measuring and Reporting Positional Accuracy in Spatial Data (IRM Standard 19, Version 1).* This standard is part of the Statewide Information Resource Management (IRM) Policies. A copy can be found on the Office of Technology Web site at http://www.ot.state.mn.us/ot_files/handbook/standard/std19-1.html . Please familiarize yourself with the provisions of this standard and share it with others in your organization who are responsible for data planning and implementation programs.

The standard provides a uniform statistical method for estimating the positional accuracy of public spatial data. The underlying methodology was developed by the Federal Geographic Data Committee and is designed to improve upon dated National Map Accuracy Standards. It is only applicable for spatial data - data representing geographic locations – used in geographic information systems and mapping applications. The standard also provides a common format for reporting test results in the documentation that accompanies those data. A format for well documented spatial data can be found in *IRM Guideline 17, Version 1.2, The Minnesota Geographic Metadata Guidelines* (http://www.lmic.state.mn.us/gc/stds/metadata.htm).

Policies and Standards
Accessibility
Data Management
Enterprise Architecture
Enterprise Project Management
Geospatial
IT Commodities
Information Security
Network Services
Utility Services
Web

# Codes for the Identification of Counties in Minnesota

**Date Issued:** Approved by the Minnesota Governor's Council on Geographic Information on April 3, 1997

**Applicability:**
*Who cares about these standards?*
All developers of public databases containing information about Minnesota counties

*When do they apply? When do they not apply?*
This standard has been developed to improve the exchange of public data about counties. Use of this standard is *mandatory* when the following two conditions exist:

- a state agency is transferring data to another agency, local government, federal agency, the private sector or a public requestor, AND
- no other previously agreed to historic coding scheme for state counties has been designated.

Use of this standard is recommended when local governments exchange data, or when any new public databases are being designed that must incorporate a set of county codes. Use by local government, the private sector and the public in general is encouraged, but voluntary. This standard applies to data that are being transferred, and does not restrict how those data are internally stored.

**Purpose of these Standards:**
The purpose of this standard is to provide a single, common coding scheme for counties in Minnesota. It is intended to be used primarily when data are being transferred between a state agency and some external customer. Its use will improve the shareability of data resources created by Minnesota state and local government by avoiding unnecessary duplication and incompatibilities in the collection, processing and dissemination of data.

**Standard Requirements:**
This standard provides a set of three-digit codes to be used when representing the 87 counties of the state of Minnesota. This standard is equivalent to the Minnesota portion of the Federal Information Processing Standard Publication 6-4 (FIPS PUB 6-4), dated December 15, 1979. County names and codes are listed below.

| COUNTY NAME | CODE | COUNTY NAME | CODE | COUNTY NAME | CODE |
|---|---|---|---|---|---|
| Aitkin | 001 | Lac qui Parle | 073 | Stearns | 145 |
| Anoka | 003 | Lake | 075 | Steele | 147 |
| Becker | 005 | Lake of the Woods | 077 | Stevens | 149 |

# Compliance

- ***What constitutes compliance?***

  Agencies must be capable of translating their data into a form consistent with this standard for the purpose of *exchanging data* between organizations. Agencies may continue to store data in alternate formats of their choice, provided the capability exists to readily convert them.

- ***How will compliance be measured?***

  Evidence of compliance will be determined based on reports of satisfactory data transfers from receiving state, local and federal agencies, and private sector and citizen customers.

# Compliance

- ***Use by Local Government?***

Use of this standard is *recommended* when local governments exchange data, or when any new public databases are being designed.

Use by local government, the private sector and the public in general is *encouraged, but voluntary*. This standard applies to data that are being transferred, and does not restrict how those data are internally stored.

# Process Interrupted

**2005**

- IPC sunsets
- OET created and IPO incorporated into it
- Process to ratify standards interrupted


**2007**

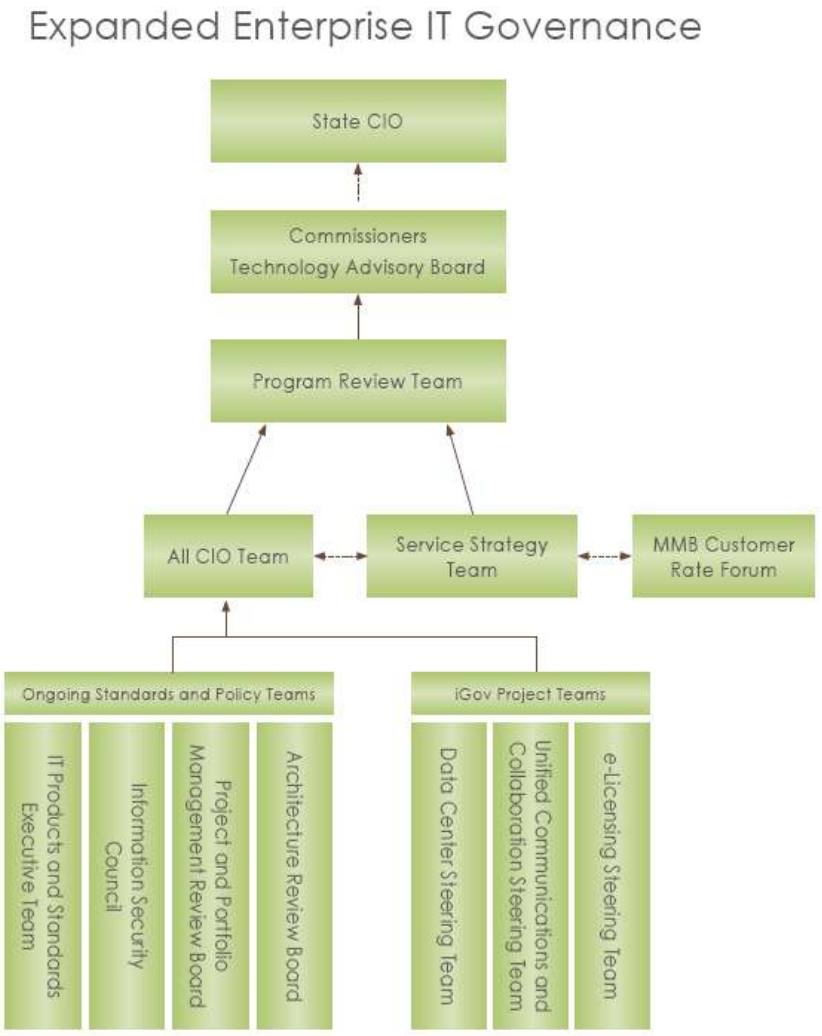
- Standards Committee formed *Geospatial Standards Authorization Workgroup* to try to influence reinstatement of standards process (see 2008 work plan)

**2008**

- Met with OET Director of Strategic Planning:
  Offered to include GI standards on OET web site without ratification pending development of a new governance model that is in progress

# Enterprise Architecture: Process for Decision Making (Governance)

- State CIO
- All CIO Team
- Architecture Review Board
- Info/Data Domain Team
- Subject Matter Experts



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# Standards Committee Recommendations

1. OET consider the four previously ratified IRM standards and guidelines as state approved, and that OET inform the All-CIO Team of that decision.
2. OET address the issue of the second set of six standards by sending them directly to the ARB to consider ratification.

# Standards Committee Recommendations

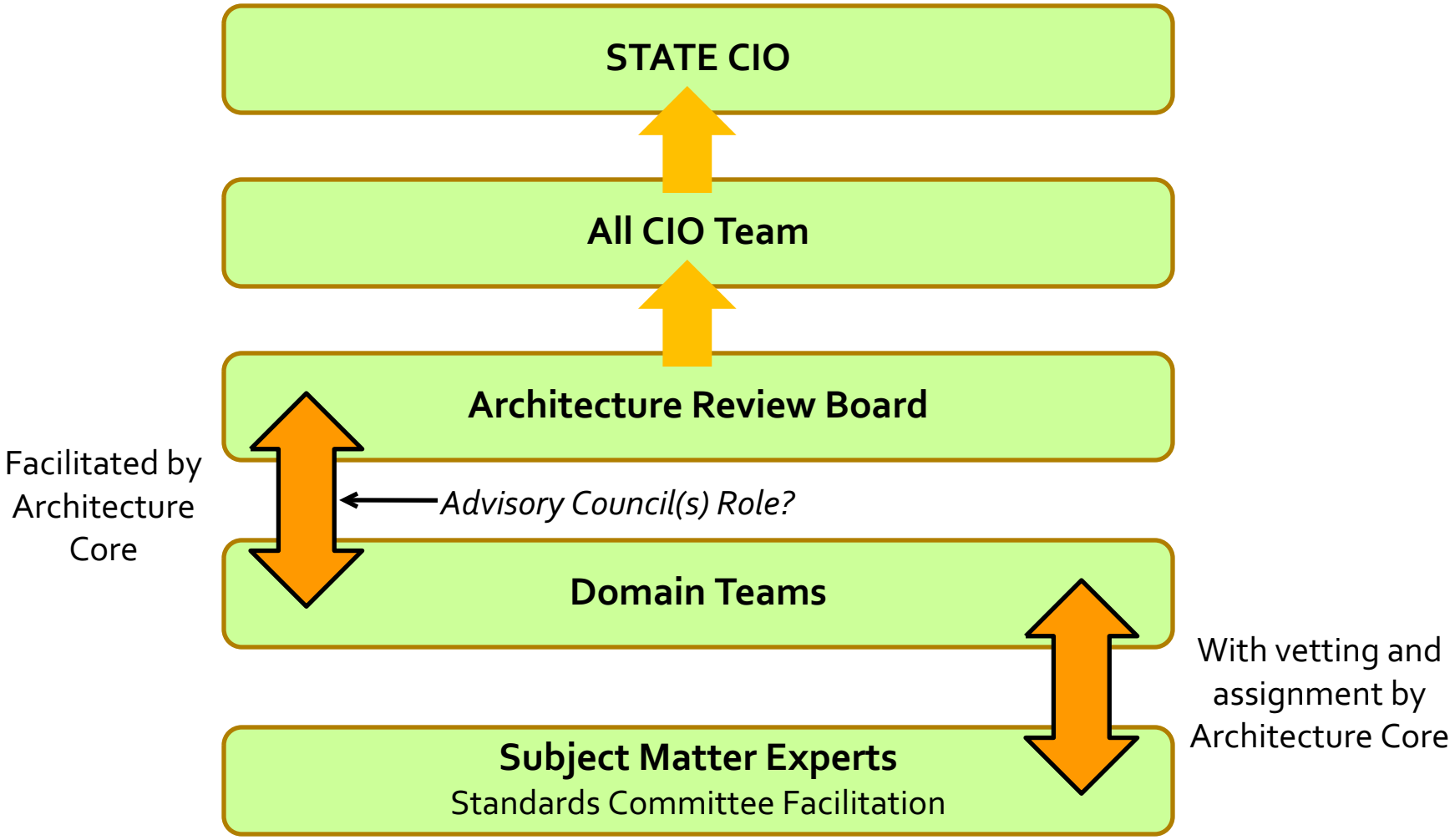
3. OET provide advice and guidance to the Standards Committee and Data Domain Team to help each prepare for the introduction of newly proposed standards expected in 2011.

4. MnGeo adopt a procedure that includes the reporting of instances of non-compliance to the Standards Committee for action.

# 2011 Progress

- Jan 11:  Recommendations brought to State Agency Advisory
- Jan 26: Presented to the ARB
- Feb 1:  Met with Architecture Core Team to begin working out details
- Feb 8: Standards Committee met; set up Metadata Standard Review committee
- Mar 10: OET Data Domain Team responds:
  - Invited to send standards to AC Team for vetting
  - Assist OET put standards in new template for web publishing

# Standards Ratification Process



# Next Steps

- Formally submit standards to Architecture Core Group for re-consideration
- Reorganize web publication material to fit OET's new template
- Participate in Metadata Workgroup
- Continue to move new standards through Committee