

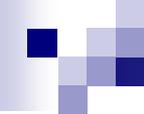
GIS Steering Committee Meeting

May 16, 2011



Agenda Items

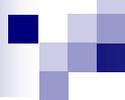
- Agenda overview
 - Approve meeting minutes (handout)
 - Action Log (handout)
 - Project Status Report (handout)
 - Reports (handout)
- ELA Status
- TransGIS 2.0 Status
- ArcGIS v10 Roll-Out
- GIS Data Storage
- Service Level Agreements
- OBDP GIS Cost Benefits



***11-13 ESRI
Enterprise License Agreement
(ELA) Status***

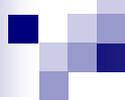
Currently

- The list of needed ESRI software at ODOT has been finalized
- The list includes projected software needs for the 11-13 biennium
- A determination where ESRI software is needed is done
- The upgrade of ArcGIS 10 is underway throughout the agency
- The budget estimate is still at \$328,000
- Alternatives to ESRI software such as the free ArcGIS Explorer and the new TransGIS 2.0 web interface has been communicated



Currently

- DAS is in negotiations with ESRI to determine the exact cost of the next ELA
- Payment for the next ELA is done through DAS
- DAS recovers individual agency ELA costs through an Intergovernmental Agreement (IGA) process
- A \$300,000 ODOT IGA with DAS is being routed for signatures
- These funds will come out of this biennium's budget



Next Steps

- The remainder of ODOT's ELA costs will be paid for out of next biennium's budget.
- When additional seats of ESRI software are added, we are asking that any additional costs are covered by the area making the request.
- Report status at next steering committee meeting

TransGIS 2.0 Status

Status

■ Intranet version

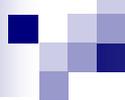
- released for informal review. Formal review announcement due 5/19/11.
- <http://wpdotappl21.odot.state.or.us/transgis/>

■ Internet version

- Firewall / Security considerations in progress
- Development team trying to implement 'splash screen' (about, legend, contact, disclaimer) and Help Menu before release to public

On-going

- Serving as the template for other GIS Web Applications
 - *Completed:*
 - TPOD (Transportation Planning on-line documents)
 - *In Progress:*
 - Crash Coding
 - ODOT Project Tracking
 - Motor Carrier Restrictions
 - Approaches Inventory
 - FACS-STIP Tool (Features, Attributes, and Conditions Survey- Statewide Transportation Improvement Program)
- Caching new set of Base Maps – OR Trans, Imagery and Lidar (as hillshade)



ArcGIS v10 Roll-Out

Process

- Desktop Testing (matrix evolution)
- Install Documentation
- Servers (application and SDE/SQL data)
- Licensing (server, desktop, training)
- Desktop migration (ArcGIS)
- Companion software/applications
- Training / User Support

Status

1. Desktop testing and evaluation of new version – **complete**
 - Standard test matrix updated as tools, terms and options evolve.
2. Installation documentation – **complete**
 - Install process tested and documentation developed. Worked with FSU to create official install documents.
 - Single install process – every install is ArcInfo: using ‘permission groups’ in license server to control access to advanced tools.
 - Single-use licensing: using license ‘borrowing’ feature to reduce need.
3. Servers – **due 6/30/11**
 - Application servers – software load and configure - **complete**
 - Application migration using TransGIS v2 as template (TPOD, Crash Coding, FACS-STIP, etc) - **in progress**
 - SDE / SQL data server software load and configure: Production server – **complete**, Pre-prod server – **due 5/16/11**
 - Build and set permissions for new databases - **RFW submitted** (Mick W is aware of resource need)
 - Data pathing (mxd’s, lyrs, applications) - **queued**

Status

4. Licensing – **complete**

- Server licenses acquire and apply - **complete**
- Training licenses – post to independent license server to satisfy ‘free’ training license agreement. Training Center and mobile lab in compliance - **complete**
- Desktop licenses – acquire additional server during 9.3.1/10 overlap in service, load licenses, create ‘special use’ permission groups (ArcInfo for TPAU and GeoMetronics, for instance) - **complete**

5. Desktop migration – **in progress**

- List of recipients and detailed instructions provided to FSU - **complete**
- Update desktop / laptop software - **in progress, due 6/17/11**
- Document exceptions: version retention and shared machines for TSM, GeoHydro and TransInfo, single-use for TSM and some laptop users. - **complete**
- Post fixes and reference documents to GIS support page (mxd doctor) - **complete**

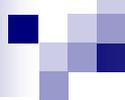
Status

6. Companion software / applications – **complete**

- Update ODOT Toolbar, include in every install (doc) - **complete**
- Identify, establish and maintain shared machines and software versions required for application compatibility - **complete**
 - TransInfo (being rewritten from v9.2 to 9.3.1, no plan for v10)
 - Hec-GeoRAS (being rewritten for v10 – USACE...hydraulics analysis)
 - Soil Data Viewer (being analyzed for rewrite to v10 – USDA)

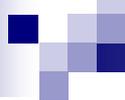
7. Training and User Support – **ongoing**

- Advanced ArcGIS course customization update - **complete**
- Introduction to ArcGIS course customization update - **queued**
- MXD doctor is standard in software install, use instructions posted at GIS web site - **complete**
- GIS Support Staff (GIS Unit plus Sarah Abbott/Reg 1) updates - **complete**
- GIS Support Staff training – **in progress and ongoing**
- Remedy notification and GIS support system – **well-oiled**



GIS Data Storage

- Cy Smith is working on a solution for the new statewide imagery and LiDar (Light Detection and Ranging)
- Options
 - SDC at a reduced rate
 - Hosted service



Service Level Agreements

- SWIM Chart – Data Update process for Applications
- Application Data Agreements
- Data Owner Agreements

Swim Chart

- Generic Template - ***draft in review***

- Event activation: standard cycle, , etc
- Triggers
- Event Sequencing
- Responsibilities
- Time-frames
- Acceptance and closure

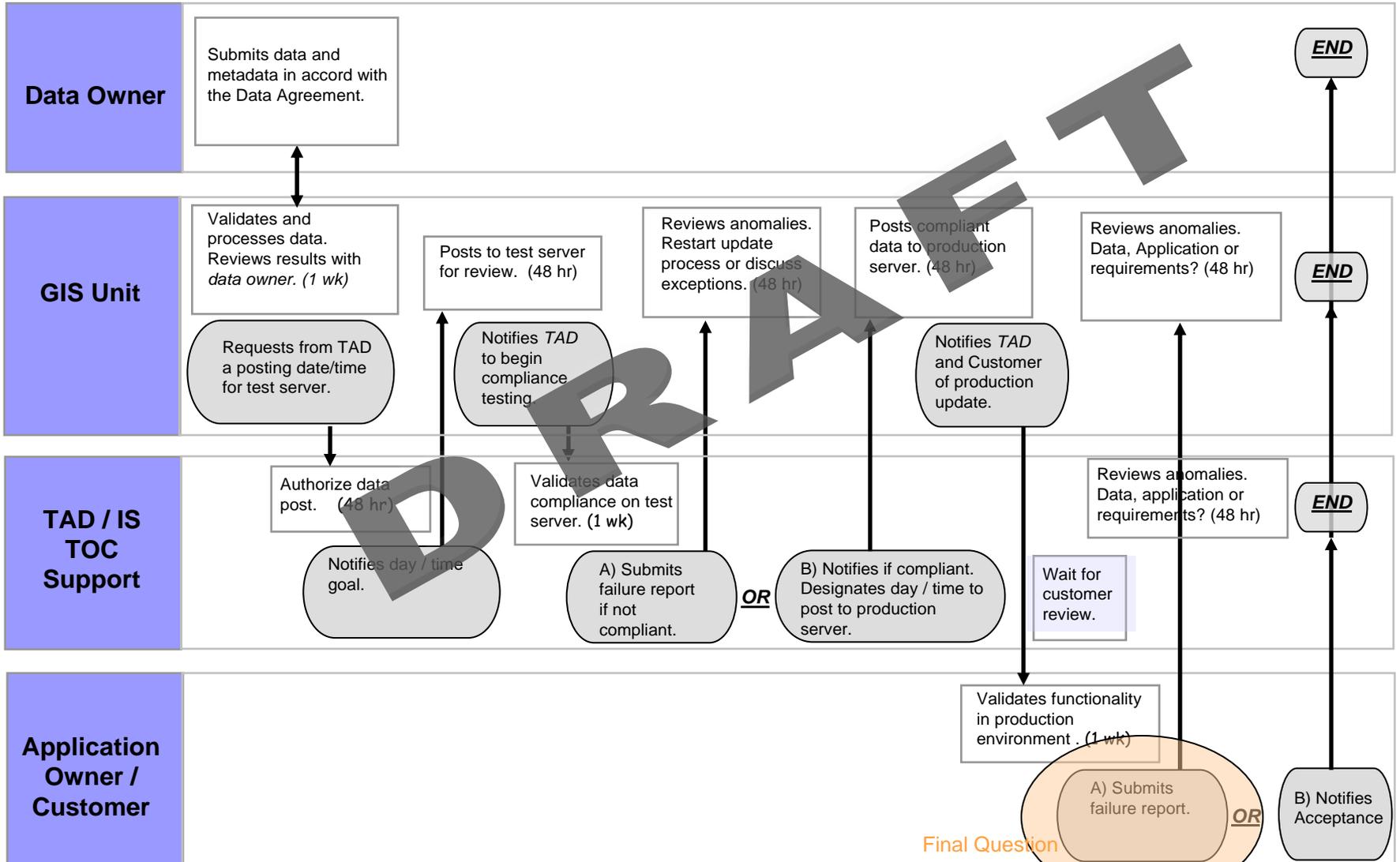
A meeting is scheduled to finalize the document.

Process to Update GIS Layers Used in Applications

Established update cycle documented in Data Sharing Agreement and Metadata

*Individual datasets may apply to many applications and users

Strategy 1: Standard Update Cycle



Application Data Agreements

– Agreement with Application Owner to supply required data.

- Template Agreement - complete
- Template Quick Facts - complete
- WZTA (Work Zone Traffic Analysis) Agreement package – complete

Next:

- TOCS (Transportation Operations Center System)
- FACS-STIP (Features, Attributes, and Conditions Survey – Statewide Transportation Improvement Program)
- TPOD (Transportation Planning Online Database)
- OSP – CAD (Oregon State Police – Computer Aided Design)

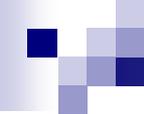
Data Specific Agreements

– Agreement with Data Owner for Standard Submittal

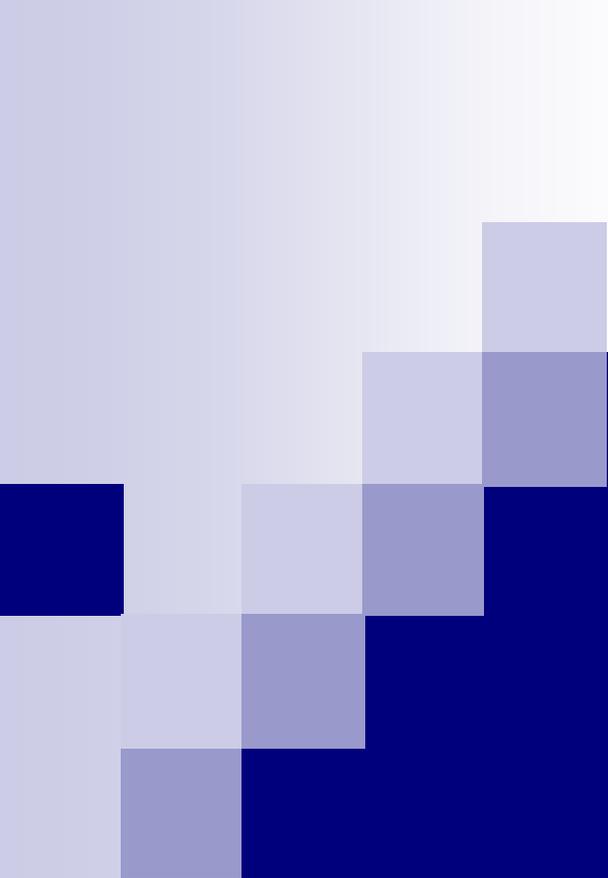
- Template Agreement - complete
- Template Quick Facts - complete
- No Internal Data Agreements in place – relying on common knowledge, ‘need and plead’ and ‘hunt-n-peck’ acquisition
- SHPO (State Historic Preservation Office) data in negotiation (external contributor)

Next:

- TransInfo - standard annual extracts (30 +/-) **previously known as ITIS.*
- Asset Management Programs (signs, acoustical, guardrail...)
- Framework Layers (ORTrans, railroads, etc)
- Non-ODOT data owners – current efforts focused on environmental datasets (SHPO, for example)



Return on Investment for OTIA III GIS Presentation



Next Meeting:

Tuesday, July 19, 2011

9:00-11:00am

Mill Creek Bldg – Crown Point