

Meeting Notes

Texas Shared Technology Services
Geographic Information Systems Solution Group Meeting
November 13, 2018 • 2:30PM – 4:00PM

W.P. Clements Building, 13th Floor
300 W. 15th Street
DIR Congress Conference Room

Meeting Chair Richard Wade, TWDB/TNRIS
Co-Chair Ed Kelly, DIR

Participants **(Attendees in Bold)**
Raj Nadkarni (TCEQ); Scot Friedman (GLO); Monica Watt (CSEC); Vonda Payne (CSEC); Felicia Retiz, Gayla Mullins, Ilyanna Kadich (TWDB/TNRIS); Chris Bardash, Travis Scruggs, **Jeremy Rogers (TxDOT), Jeremy Nobles (TPWD); Michelle Swindle; Bobby Bruner (Atos); Michael Kersey (DIR); Michelle Valek (THC)**

Conference Number 1-877-873-8018 Access Code: 3298261

Web Access [Join Skype Meeting](#)

Welcome and Introductions (Richard Wade)

Published Agenda:

- Imagery Service Financials (Group Discussion)
- Coastal Imagery Discussion (Gayla Mullins)
- Parcel Project RFI Decision (Group Discussion)

Imagery Service Financials (Group Discussion)

- Last information received Imagery Service is in the black by ~\$3.7K
 - Paid out GO 1.1
 - Rollover from FY18 was ~\$40.5K
 - Contribution from Texas Military Department – level is currently at ~\$31K, but their usage for calculation for FY20-21 puts them at the lower tier (\$15K)
 - Possibility Brazos River Authority (new subscriber) may come in at \$15K in January 2019
 - **Question:** Has there been any preliminary averaging for next year?
 - Not yet, but it can/should be looked at
 - TWDB - talking to board about increasing contribution to the highest level
 - TWDB Board is taking to the legislature to have the strategic mapping account created again or a new version



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- May be future discussion about turning over the regionals/locals accounts to the water board to have that UB authority so don't have to spend it at the end of the year under the current situation
 - As long as this body takes lump sum amount needed to pay off current obligations and what ever is left stays in that account
 - Eventual question: Will this be the body that will determine how the extra funds are spent or will it be the water board?
 - It would be this body. It would be a mechanism for us to be able to maintain funds and save them
 - In the future, it could move it to the Parcel Project or a combination of other projects – anything the state feels is necessary as it relates to data
 - Definition of how funds to be used may have to be modified/wordsmithed to go in this direction.
 - Have discussed this with DIR in the past and have to take steps to put this in place and are working together to define it.
 - **Question:** Since regionals and locals typically have an annual budget and not a biennial budget, would all the funds that they allocate have to be spent out?
 - Locals are spent out because they bought the imagery
 - **Follow-up Question:** Understands how this body defines it, but how would comptroller define it (income vs. expenditure; holder vs. vendor)?
 - Does not know how to exactly answer this but assures that these things have been discussed and everyone seems to be okay with the known process/direction at this point. It just needs to be set up, and it enable us to control finances, save up and purchase data in bulk.

Coastal Imagery Discussion (Gayla Mullins)

- CSEC approached Texas Imagery Service about the possibility of extending imagery 9 nautical miles seaward
 - Currently 1.1 mile out seaward from the farthest point of land
 - Some isolated areas with a little imagery (showing all datasets available)
 - Slide of 2.9 miles out and the 6-inch pixel resolution quality of rig
 - Slide of TOP 0.5-meter picture and pixel resolution quality of rig
 - Slide of NAIP 1-meter picture and pixel resolution quality of rig
- Looked for rough estimates from additional sources
 - Google: Not yet provided an estimate after 2-3 email requests and saw representative at forum
 - Google representative will be in Mountain View this week and may be able to talk to team, but indicates they may not even be able to do this nor be able to provide a price
 - **Question:** Is the point to get an image of the rigs or just the location?
 - Attorney General has determined if it is 9 nautical miles out, there is a responsibility to respond
 - GLO has need to see the oil rig
 - TCEQ will request contact information from the last batch from GLO



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- Imagery would be extremely helpful to GLO
 - Located all rigs and derelict structures - field staff took pictures of the rigs from land/water to determine those damaged and those that need to be taken down, but aerial imagery would be helpful
 - **Question:** Would this be a good case for high-res satellite imagery?
 - If for the whole coast, aerial imagery is more cost effective
 - Lightering perspective-platform and ship-to-ship locations
 - **Question:** If NAIP is flying Texas now, is cost share a possibility?
 - A possibility in the future but cannot piggyback on the current NAIP contract because it is signed and they are not going to change the task order at this point
 - Fugro USA Land: have recently done this for another state:
 - ~4000 square miles (9 nautical miles)
 - 6-inch - \$239,040
 - 12-inch - \$119,520
 - Request for CSEC's jurisdictional areas/counties along the coast:
 - ~1706 square miles (9 nautical miles)
 - 6-inch - \$120,984
 - 12-inch - \$71,568
 - **Question:** What is the number of rigs that fall within the 9 nautical miles of coast?
 - TCEQ stated 200, but GLO will confirm the count
 - **Question:** If the objective is to get high-resolution imagery for the rigs, would it do any justice to to get image of 200 sq miles around each platform/rig?
 - Anchoring points: not near a rig at times. Get an estimate (even if it's a one-time thing) to see how many boats/ships are out there before being piloted in
 - Trying to lower cost just by getting an imagery of the rigs if grouped together, but if spaced out, a lot of cost is getting planes up and collecting vs the cost of a spot of imagery
 - Most rigs are closer to shore than past the 8/9 mile area, but beyond the edge of the federal line, there are a lot of rigs.
 - Stretching to 10 miles could catch a lot more
 - Wave points – whoever flies in the areas can use the latitude/longitude for the rigs that the land office has as markers
 - **Question:** Is there a timing requirement?
 - No, but one agency just needs a snapshot
 - Action Items:
 - Ask 1 of the 2 companies the best approach if just for the rig?
 - Does cost come down?
 - Consider going out for additional prices/bids (one year timeframe)?
 - Barring having a full contribution, wait for the legislature to see what is in Strategic Mapping funds and determine how we want to spend that.



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- There is not a mandate for this but could be looked at to incorporate in the next top acquisition
- Look at Hexagon? Will look into
- Reach out to satellite vendors for a cost estimate: if they can just pick up imagery around rigs?
 - Depends on clarity wanted
 - 6-inch is best, but 0.5-meter would be OK
 - CSEC not just for rig locations, but anything that calls 9-1-1
 - See what kind of equipment on rig: engine sizes, # of engines, etc.
 - New rigs have offloading point facility
 - GLO also looking at debris, piers pilings, other smaller off-shore structures
 - Depends on strategy mapping could finance
- Reach out to Railroad commission?
- Reach out US Coast Guard?
- Drone Companies?
 - Is there a cost savings to work 'debris' list and possibly get better resolution?
- Vendor should be from an approved vendor list, but does not have to be

Parcel Project RFI Decision (Group Discussion)

- Letter went out last week to chief appraisers/addressing coordinators that introduces the 'why' and 'what' of what the project is doing
 - Great response with a lot of data
 - Two types of vendors:
 - Local Texas-based vendor who works for the appraisal districts (Pritchard & Abbott, BIS Consulting, etc.)
 - Those that work for insurance companies and banks-nationwide organizations (CoreLogic, First American, etc.)
- Local vendors are not wanting to charge at all or as much as the larger companies
- Larger companies not used to working for government entities yet and focused on how much money they can make
- Map of Texas: who to get the data from (counties color-coded by possible vendor)
 - BIS and Pritchard & Abbot willing to sell data inexpensively, and HG is willing to provide for free with the permission of appraisal districts
 - Data for 'pink' coded counties will have to come from the larger companies (CoreLogic, First American, etc.)
 - \$200-400/county
- Goal: to obtain one complete data set from all the counties and post to data clearing house
 - Phase 2
 - Determine how much more frequently data can be obtained other than annually
 - Some can provide their electronic data more frequently
 - Work with those who don't have electronic data yet to help move effort along
- Status of data for each county (spreadsheet)
 - 55 counties of parcel data downloaded (free)



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- BIS could offer data for 61 counties (~\$5K)
- Harris Govern could off data for 41 counties (free)
- Pritchard & Abbott could offer data for 64 counties
- Soutwest Data Systems could offer data for 7 counties
- 5 counties do not have GIS
- ~30 counties will need more work with locals or vendors for first dataset
- \$60K budget for this effort, so the goal is to get what's needed
 - Some of the data is licensed, so state agencies can use but cannot create a public product
 - Even if the cost is \$100K, get short-term solution (data as-is) and then see what's needed
 - If delivered in DGN format, may have to offer some DGN conversion services as an add-on
 - Longer term phases: aggregating it, getting the non-licensed product, etc.
 - Appraisal districts own the data and uses contractors who manage the data, but they charge to supply the data; most agencies have the data but may not have the technology or the resources to be able to merge data, post on-line, etc.
 - This effort needs to be worked within a finite time-frame
 - Whatever the cost is for the first dataset, expectation that it will be a continual cost for subsequent years until the long term plan is in place
 - Mid-term Goal: Require the comptroller to request the geometry as well as the data (may need to be a legislative mandate-can attach a budget to it)
 - Request as an option: After three years, have data opened up to the public: fulfills mandate obligation
 - Mid-term Goal: Offer GIS, if they are willing to go after it; give them back the product they need and we keep the rest
 - Long term Goal – a fully aggregated product that people willingly contribute to consistently and with a determined frequency
 - **1) Do what can be done now**
 - **Get a better idea of what's needed**
 - **2) Come up with some sort of structure**
 - **Set it up as a requirement by the comptroller**
 - **Understand TNRS role**
 - **3) Provide a fully aggregated product that people can pull up as a service**
 - Dates to obtain this initial dataset should be between now and end of year
 - License side: what do licenses mean/what are they?
 - Can share with state agencies but not with public
 - Open to negotiating
 - Can use the water board
 - GLO has worked with BIS data before
 - Has a comparison been done on any of the others ones?
 - If so, data can be verified
 - BIS data was not as up to date as data from appraisal districts
 - BIS will download/buy data and sell it
 - For this effort, will only get data from BIS on their customers
 - Some QC needed to ensure obtaining the most current datasets



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Next Agenda and Action Items

Action Items:

Owner	Description
Gayla Mullins/Terry	Imagery Services Financials – look at preliminary averaging costs for next year
Raj Nadkarni	Request contact information from the last batch from GLO
Scot Friedman	GLO will confirm the number of rigs that fall within the 9 nautical miles of coast <ul style="list-style-type: none">• Information provided after the meeting (Raj Nadkarni – 11/15/2018):<ul style="list-style-type: none">○ There are 637 offshore platforms within the 9 nautical miles○ There are a total of 3698 offshore structures (rigs and other structures) within the 9 nautical miles
Gayla Mullins	<ul style="list-style-type: none">• Ask 1 of the 2 companies the best approach if just for the rig?• Reach out to:<ul style="list-style-type: none">○ Hexagon○ Satellite vendors○ Railroad commission○ US Coast Guard○ Drone Companies

Next Meeting: December 18, 2018

Next Meeting Agenda Items:

