

2019 NAIP

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Bottom Line Up Front

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- **For planning purposes, FSA is considering a licensed data model for NAIP starting in FY19**
- **Removing NAIP from the public domain will have possible impacts to other agencies**



Agenda

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- NAIP Background**
- Licensed data model**
- Path forward**



“Abridged” NAIP History

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- **FSA initiated program which started in 2003 (piloted in 2002)**
- **Originally CLU only, 2m annual coverage**
- **Quickly extended to full-state 3-year cycle 1m collection with cost-share partners paying the difference**
- **Technology and automation has reduced unit cost; allowing 2 year cycle**
 - Average of 51% of CONUS acquired annually since 2008
- **2018 Budget reductions are forcing collection to a 3-year cycle**
 - Estimated cost share: \$7.85M FSA and \$1.55M FS/NRCS/DOI each

- **FSA conducted a imagery requirements workshop in May 2015**
 - **Top-level requirements summary**
 - 30-50cm ground resolution
 - High horizontal accuracy
 - Image quality
 - Known acquisition date at “farm” level
 - Annual CONUS collection (three-year cycle maximum before noticeable mission impacts)
 - Acquired during peak agriculture growth
 - 4-band imagery (natural color and false color)
-total of 19 ranked and 7 non-rankable requirements

Data Rights Requirements

- **The imagery workshop did not evaluate data rights requirements**
 - FSA uses both public domain and licensed data for its geospatial needs
- **FSA is currently assessing all public facing applications and program requirements to ensure data rights requirements are documented**
- **To date, FSA has not identified any regulatory or statutory requirements that mandate the release of NAIP dataset to the general public**

Partner Induced Program Risk

- **Cost-share partners have been \$3.1M short over the past few years**
 - FSA cannot continue to subsidize other agencies commitments
- **Delays in releasing funding from cost-share partners forces contract awards past “peak agriculture growth” season**
 - All 2017 partnership funding was released after June 1
 - Delayed in funding partly caused by CRA and the increase timelines due FITARA
- **Based on past partner’s funding history, NAIP collection will be extended past FSA’s minimum 3-years cycle**
 - FSA is currently depended on cost-share partners in meeting public domain imagery requirements



Risk Reduction Alternates

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| Alternate | Program Risk | Partner Induced Risk | Cost Risk | Meets 3-yr cycle |
|---|---|-----------------------------------|-------------------------------------|------------------|
| Increase partnerships | High (tried countless times over the life of program) | High (no change in current model) | Low (if fully funded) | Yes |
| Remove full state coverage (Ag land only) | Low | N/A | Medium (will lose economy of scale) | Likely |
| Collect "High Ag" states only | Low | N/A | Low | No |
| COTS (licensed data) | Low | N/A | Low | Yes |

Commercial-Off-The-Shelf (COTS)

- **Only low risk approach that meets FSA's 3-year cycle requirement**
 - Eliminates all partner induced risk
- **Based on market research, FSA can reduce its cost by half**
 - Based on a USDA-only license
 - May reduce contract administrative cost (cost-share partners do not pay admin fees currently)
- **Licensed data cannot be shared with other departments or public**
- **Other departments would have to fully fund their license**
- **Moving NAIP to a licensed data model will likely impact other agencies**

- **FSA is examining internal data rights requirements to ensure the licensed data model is acceptable at the agency level**
- **2018 NAIP acquisition strategy was changed to a single year procurement action to allow possible COTS approach in 2019**
- **Notified cost-share partners through bi-weekly meetings**
- **Briefed NDOP of potential change during 2017 Fall Meeting**
 - Action item assigned to all members to identify agency impacts
- **Will start briefing FSA leadership on recommendation early next CY**
 - Final decision needed by May 1, 2018 to support procurement lead time

- **Likely to have significant political “blow back”**
 - Collecting impact statements from other agencies to allow FSA leadership a clear understanding before they make the final decision
 - Reducing FSA spending while meeting or maintain mission requirements is defensible
- **NAIP is an important dataset in the A-16 Imagery Theme and removing the dataset from public domain will have considerable impacts**
 - Ranked #5 on the Earth Observation Assessment (EOA)
- **A Notice in the Federal Register will likely need to be posted**
 - Does FGDC want to take lead with the notice and provide a consolidated response to FSA?

Questions?

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