New GovInfo Content and Enhancements – Transcript of audio

Hello and welcome to GPO , New GovInfo Content and Enhancements. We are meeting in room B. My colleague, Helen Keremedjiev is providing tech support. We have some housekeeping reminders. Please leave the chat bot for comments and issues. One of our presenters will be screen sharing. There will be a blue bar at the top of your screen and you can select the chat bot, which is the fourth option. We will be keeping track of the questions and answering them at the end of the session. We are recording the conference and all registrants will receive a recording after the event. Please join me in moping while keeping welcoming our presenters, today.

 Hello everyone. I am here to talk about the new content that is been added to the GovInfo this year. Some of the content we plan to add to our collection in this upcoming year will be discussed. It contains our list of priorities and our plans for how to build out additional election comprehensively, going into the future. That is now available on fdlp.gov. It includes the addition of 1498 congressional hearings from the 79th through 97th Congressional Congress. We also have added 85 committee Prince from the 84th through 96 Congress. We have also added GPO publications, responses and annual budget justifications and reviews. We do have a partnership with the railroad retirement board and we are adding content from their agency. We have added 84 publications here. We have also added 200 publications from the Census Bureau, which features publications regarding summaries and analysis all related to the types of information that is collected on household, economics, education, so forth. We have also added various publications from the Defense Department and federal aviation commission.

 We have currently added seven new U.S. courts to our U.S. courts collection. This now makes GPO the recipient of U.S. opinions from over 156 U.S. courts. We have also added 4550 web harvested monographs. These are monographs that GPO have harvested off agency websites, either on a routine basis or whenever we are contacted through the unreported documents process. So, that is a set of web harvested monographs that we intend to add in this upcoming year. We also have increased the types of file formats available for some of our collections. We added USLM XML for the Constitution, Jefferson's manual and the rules of the House of Representatives in the 117th Congress. We have also added 4373 publications within the serial set collection featuring, which include House and Senate reports, documents, House and executive documents, House and Senate miscellaneous documents and Senate journals.

 I also want to mention Boise State University as they are our partner and have been for three years. They have contributed several publications and continue to contribute. They have contributed 16 applications from the interior department, agriculture department, Pacific Northwest River basins commission, other government authors on topics such as water pollution, water and soil conservation, environmental disaster effects and many more environmental assessments of the snake River and I hope Idaho regional area.

 Coming soon, we plan to add the congressional directory in PDF. This will be 216 volumes from the 41st Congress to the 104th Congress. We are also adding depository shipping lists that will be available in PDF. That will include 10,407 federal depository Library program daily shipping lists from general 1980 through December of 1989, and they will be made available individually. We are also digitizing the statutes at large and will make them available in PDF and USLM XML. That includes 110 volumes beginning in 1789 through 1950. We will also be adding USLM XML to volumes from 1951 to 2002, which already in GovInfo.

 I will talk briefly about our trustworthy digit toy certification. Currently, GovInfo remains the only digital repository in the world to maintain ISO 16363 certification. This is a repository certification we obtained in 2018. We still have to maintain this certification through yearly assessments every three years. We are currently undergoing a surveillance audit for the maintenance of our certification, at this

moment. Last summer, in the summer of 2022, the GPO made the decision to apply for the core trust seal certification. We intend to maintain them both going forward. We think having a dual model of certification allows us to remain certified at all times in at least one form of repository certification. In the event there is a lack of availability for auditors or any other unseen event, we don't want to have a risk of not obtaining ISO certification. This also allows us to remain engaged with other depositories throughout the world. That includes over 110 depositories in the U.S.

 I will now hand it over to Amanda who will talk about the GovInfo enhancements.

 Okay, hopefully I have unmuted my audio. Hello, everybody. I am happy to be here. My name is Amanda Dunn and I actually, missed the conference last year. So, I am doubly excited to be with you all again. I am a product owner, specifically public facing interfaces. For my half of this session I will be going over some of the cool enhancement highlights the team has worked on over this past year.

 So, I always like to start with some form of this slide. It is a great visual, showing the GovInfo components and the scope of the system. In blue, you have our content management system. That manages digital content to ensure authenticity and integrity. We have the preservation repository and we follow tribal standards and preservation standards, enabling access to digital content. And the orange is a public website powered by all of our metadata and our robust search engine on responses for modern design. Those of the three components we think of. Our team regularly makes changes and does development for all of these components. With our internal components, our internal CMS and metadata editor and processors, you don't see those systems, as in you, the public users, but you see the benefits in how you search and access and get to all of these documents on the public site. A little context in how our development works, and I think this is always helpful to here. We have four plans quarterly releases every year. That consists of six, roughly two weeks Prince followed by deployments to our production sites. There is an average between 50 and 90, give or take change requests per release. That is a lot. It is based on the size of the development efforts. And, we scope and prioritize all of those efforts every, single release. That can be something from brand-new collections, like digitized congressional committee prints, which are complex. There are a lot of touch points and a lot of people work on that. Or, it can be a new metadata field for a collection. It could be a new selection tool or a toggle on the user interface. It can also be system or software upgrades, which can be minor or so far-reaching that maybe, they take a couple releases to finish all of the components to do the upgrade. One example of the scope, I will not telling you about all of the things we have done this year, but I do want to cover some of the things that are easily seen.

 So, some FY 22 highlights from last December, we implemented technology to identify PDFs with embedded files using VeraPDF. We incorporated house and senate congressional hearing event I.D.s into our metadata. We provided related documents for functionality. We have related documents for API in CFR. And we have serial set enhancements. We launched that last fall. So, we had a lot of good feedback from that from stakeholders in the community and we incorporated a lot of those changes for the December release, as well. Also, a major search engine upgrade and internal CMS upgrade. So, very busy kicking off December into March. We improved access to individual Senate amendments in the congressional record. Another related document feature for immunity prints from public and private laws were done. Citation search enhancements to display multiple matching results were done. We have API parameters for serial set to filter by volume or individual documents, or at the granule lever. I will get into more of these in detail. And, numerous enhancements to the miscellaneous government publications collection, also in March.

 In June of this year, development for--in addition to the current collection we have had, which is digitized congressional committee prints, we did a link service for individual Senate amendments in the congressional record. We did support for addenda for congressional hearings. API functionality to return more than 10,000 results over multiple pages, API related endpoints for public and private laws, and a major upgrade to our public web CMS.

In September, we did a really cool thing I will show you four related documents from bills. Also, the API related documents for public laws from congressional record documents. Access to individual Senate introductory statements in the congressional record. Another API update to provide up to 1000 results per page, development for processing and access to catalog and board digital content, or web harvested monographs, as Jessica talked about earlier. We did tools to OCR to optimize and detect corrupt PDF files in initial collections, and collection-specific citations for Chicago style bibliographies. That is just a few and I will demo some of them shortly.

Now, for some numbers to throw at you. 10.6 million PDF files and 24.2 million image files in the GovInfo preservation repository for FY 2022. 152,000 packages added in this fiscal year. 72 million average monthly files from GovInfo in FY 22 compared to 70 million in FY 21. 860 mile files with an increase from FY 21 of 32 million. And finally, 5.7 billion public retrievals since January 2009 and 9.7 billion public file retrievals since 1994.

This is a beautiful pie and what I would like to make known that is important from here, as of October of this year, we have 2.3 million packages in GovInfo. A package ranges from one days issue of the Federal Register to one volume of a title in the Code of Federal Regulations, and many of them have many volumes. One U.S. courts case, one congressional bill, one congressional report, one congressional hearing, and so on and so forth. When we say packages, it means the concept of maybe, a book or a volume, in that regard. So, we have about 1.6 million packages for U.S. courts, and that is the giant orange chunk that you see here. Our second largest number of packages will be bills, in blue. About 20 403,000. Fifth this year is in the middle.

One more pipe with a different flavor, this is the granule's breakdown. We have 17.6 million granules. Granules are how the smaller documents within the larger packets are broken down. Our largest is the CFR because it is basically, a very complex piece and it has a lot of broken down granules in those packages. We have 6.7 million granules. So, just a few examples. I just wanted to give you a bit of a visual on the amounts of content we have in GovInfo, which is a lot.

That brings me to a bit of a transition. I am going to share my death.my desktop. And, who are these smiling faces? This is a team photo. I just wanted to give you a bit of a look at all the smiling faces behind GovInfo. A little bit about us, we have development support, system administration team members, methodology and we have all of this amazing functionality for GovInfo. Everyone on this team works so hard and I wanted to show you who they are. Then, we can dig into the demo piece.

Users come to content in what ways that work best for them. The nice thing about GovInfo is we provide you with options. I am a searcher. I try to get as close as possible. I do a basic search and I will use my filters and sorting options from that point to get to the document I need. I just like to search. Some people like to browse. Maybe the agency or category date or advanced search is something you like. We did update the citation search, or retreat by citation search. One thing that we came to realize as we were doing the development is that obviously, some citations can match multiple documents. For the serial set that came to the fore and what we didn't have at the time was, the ability of using this particular form to show more than one result. That was something we did. I will just show you a quick example. I am on this page where you can see search, advanced, citation. I churched chose citation and document type. I am looking for this document from the 82nd Congress. And the document number is 264. I click search and we only got one result. It was accurate, but it wasn't the only result. So now, you see all seven documents following one through seven. This is something we enabled. Actually, serial set wasn't the only beneficiary of this functionality. The daily impound records, and older compilations of presidential documents also can have multiple citations. I am sorry, multiple documents per citation. All of those work from the citation search now.

Okay, transitioning into another showcase item, I will go to the advanced search tab now. I will leave all dates and choose refine by collection and I will select congressional hearings. A reminder, we have over 40 content collections in GovInfo and they are all listed here. You can select one or more, whatever you

like. I will input workforce innovation because I know this is a good example to showcase what I am talking about. So, workforce innovation, using the advanced search form. One of the things we worked on this year with other offices in GPO , was to bring greater consistency to how we handle addenda for congressional hearings. Maybe, you have experienced trying to find addenda in GovInfo before, but they were submitted as separate packages and it wasn't necessarily, clear that one addenda is collected to another. So, for this year, we basically have incorporated functionalities to the system that you can group this content together. I am clicking on the serial number 117-14, which is a work face innovation. I will go to the detail page where you can get to the format or PDF or some metadata or whatever you need. This is also where you would see associated addenda. There are other places, but this is what I'm showing you today. If I click on the document context, you see base hearings and you see all of the addenda. Addenda can be corrected text versions. Also, part of this could be any ancillary documents that are published for the purpose of it being a part of the hearing report. Sometimes, there are miscellaneous publications that are referenced during a hearing, but the committee wants them to be published along with the hearing. Those are all now associated together in one place. Definitely come on the details page and in other places, obviously through search and by browsing. You will see all of the addenda located where they should be with sort of, the initial hearing.

 My favorite functionality in GovInfo, and if you have heard me speak before, you have heard me say this before, related documents. It is one of the most useful features of our system. We have all of this amazing metadata and we use it to link content across different collections within collections. And even, across branches of government. Really, that allows me to get what is important to me when I am researching. That is content that is connected to other. So Our goal is to connect new use cases. This year, we were able to add four new legislative leakages from our road map into the user interface. I different differentiate user faces by navigating through the site. We also added five related endpoints. Are related in point service is a piece of the API. I do want to show you a little bit of that. It is important to show the various different ways folks can access this.

 This brings us to nine GovInfo collections that have related documents and our road map is ongoing as we bid on it. The first example I want to show you is HR 1625. It is from an older Congress. It is from 2017 and 2018. But, it is a great example, showing a few things. That is why I picked it. I will just click on the top one. This is an RSS version of this bill. If content has related documents, it will have this tab. Any relationship we have built in the system will be here. We have had bill versions link together for a long time. Bill history was something we did and that is the history of bills from the congressional record index. We did that a couple of years ago. What is new this year is linking to congressional committee Prince. Committee prints. This legislation became part of the consolidated appropriations act for 2018. It had a lot of committee prints associated with it. If you know about committee prints, they can be a variety of types of publications that have a designation of prints. Some have calendar information and supporting information and publications for the legislation. Here, we list six documents. We have the date, which is sortable and the name of the document. If you want to click on the details to read that print or see what is on that particular print, you can click on the details page.

 Now, moving on to presidential signing statements and remarks, which is from the presidential compilation documents. We have had that for a number of years. If you want to see what the President says about signing legislation and that public and private laws and U.S. code. This last year we implemented congressional record links. So, what you will see our congressional record documents that reference legislation. This one has a lot of documents. It has 70 different documents ranging from when the legislation was introduced. It is in chronological order with the recent at the top. You can sort. You will have the citation. So, when 63 congressional record and the page number, or whatever that particular reference is. And, you have the name of the document and the details link to go and access the PDF or other metadata about that particular document. Now, when you look at this page, maybe it looks a little bit like a legislative history. It is not quite a legislative history, but what it is supposed to do

hopefully is, to do some of the legwork for researchers or people that want to use GovInfo to track legislation or find information about related content in legislation. I would have had to conduct over 70 documents alone--and I would've had to do a lot of searches to get these documents. We do deep work for Fox, hopefully to a degree.

So now, I will take us to the final related documents that I will show today on the user interface. I am going to click on the document from the 10th of April 2018, the house bill approved by the president. This is a congressional records document page. I can look at the PDF if I want. But, I want to show you another linkage that we made of related documents. It is on the congressional records page, now. We have had bill versions for a couple of years now. All of the bills are referenced in this particular document. We also now link to public and private laws. There are several laws that were referenced in this particular congressional record documents. Again, you can sort by date, the public line number, and the title.

Now, I will shift gears a little bit. I want to take you into the API. We have had an API for GovInfo since the fall of 2018. It is something that is constantly growing. An API provides data users with a simple means to programmatically access government information. I showed you public laws on congressional record pages. Now, let me show you how you can do the same thing from the API. I am going to be using a demo key. If you use an API for GovInfo , or whatever, it is a 40 character strain with a unique I.D. You can get one from GovInfo. I like to use it. It is easier. Let's say we are going to go to this related service and I will click, get. Let's say that I want to grab all of the documents from the page I just showed you, the congressional document using the API. I will be inserting the access I.D. for that document. I clicked, execute. Now, I have the bill versions. I am going to look at this law. I will grab my API key right here. Bear with me one minute. I am having a problem with my little banner. There we go. For some reason I am struggling. Let me try this. There we go. Thanks for your patience. Here, we are seeing all 36 public laws. You have the date issued, package I.D., the link and the last modified date on the title. That is one way of getting to this information. Some other API updates we made this year, and cut API service for FR on CF ours. And other use cases. You can filter by volume or individual documents or granules. On upgrade, we have the documentation framework that is used by the API, we did an update to support retrieval and multiple results for API calls for that point. Update include jacket I.D. number and granule summaries. And, various others. One big one I did want to call out here is, and I will not use the documentation that I went through to get to this. I am just going to use my URL. What you are seeing on this page are 287,989 appellate courts and their cases. One of the things--we had some contact Nicole constraints, but we have now made it possible to retrieve more than 10,000 paginated results. We have gotten past that and are doing a lot of really great things now. So, coupled with the enhancements to the maximum number of records returned, we have also increased the page limit from 100. This shows you 100. And it goes to 1000. So, let me add another zero. Now, what you are seeing is 1000 packages or results per page. So, I can expand them individually, but I will just expand them all. It is not as slow as I thought it would be. So now, you see all 1000 packages on this page. I can page through, but I wanted to show you that functionality. We regularly prioritize and make improvements to the public API to increase the ability for users to easily work with her contents. We encourage users that have suggestions for updates, enhancements, new endpoints to visit us at GitHub.com/U.S. GPO. We regularly monitor those and address the feedback folks have for the API specifically there.

Okay, back to a couple more things I wanted to show you. This year we did two focused initiatives to increase accessibility to content by creating sub granules. And, having those granules available through search browsers and billing services. We did it for two things, the text of individual Senate amendments and the text of statements on introduced bills and joint resolutions. I will show you a real quick example. I am typing in introductory statement with the particular number. Looking into my first result, I see this document that was available via search before. But, what we didn't have was a direct link to just this statement. There are many statements. Obviously, there is a lot of legislation being introduced all of the

time. So, what this was missing was a focused way to provide this information to users. There is really cool information in these introductory statements. This just happens to be an example of what was said prior to introducing legislation. There were comments made about the appointment of a new director to the U.S. Bureau of prisons. So, this is what was said prior to the bill being introduced. It is over a page of information and real useful context when it comes to researching legislation or knowing what senators say. That is available through search and browse. If I were to go to the document context page, you would see five introductory statements that were pulled out. And, there sub granules again. The main sub granules is statements on introduced bills and joint resolutions. That is still available, like it was before. This is just some additional functionality.

Finally, Jessica Mensch and web harvested monographs earlier. Obviously, part of this program includes standard processes to catalog and captured digital versions of federal publications. In the latest release, you can process it through our system and create metadata using uploaded records and make them available. The initial set of content is now available on the public sites. General, the publications are published by a variety of federal agencies, topics and have published date ranges ranging from the current decade back to the 1800s. A quick example--and I am specifically looking for a certain group of content. This is content from the Department of Agriculture. So, you see 270 records here. To get to a really cool document, I am sorting from new to old. And, going to the story of dinosaur like and this valley dinosaur tracks site which is in Southeast Colorado. You can read about dinosaurs leaving tracks and what they tell you. Spoiler, they travel in herds. It is one of the largest track sites in the world. This is a publication available through this new way to bring this content into GovInfo and presenting it for users. I just wanted to show you that . With that, I will stop sharing my screen. And, I should be back on my slides.

I just showed you a very small amount of things that we have done and probably things that are useful. There are so many amazing things we have done. To see them, I encourage you to look at our release notes on this website. Or, from our home page or any of the menus, just go to release notes and you can read more about all of the things we have worked on this past year and beyond. That is all I have. I think that Jessica and I would be thrilled to answer any questions you have and address any comments. Thank you, very much.

I am curious if anyone has any more questions. Lease keep them in the chat. Here is one question, did the dinosaurs travel in herds or flocks?

That is a great question. The publication said herds, but I love it.

Going back to the beginning of the presentation, this question was asked with the slide of new content added in fiscal year 2022. The question was asked, are they all-digital?

This is Jessika. It would depend on what content they are referring to. I need more information.

It was at the very beginning of the presentation. I am not sure. Maybe, you can go back and look at that.

Yes, I can move all the way back there. I believe this is the slide they are talking about. So, the congressional hearings, those were digitized publications. Everything else on this slide would have been born digital content.

Okay, the next question we have is, were there any plans to add [Indiscernible].

That is not something we plan to add in 2023. But if that adds value, that is something that may come up in the future.

All right. Our next question is, could someone remind me when the serial digitization will be completed?

The serial set digitization is a joint effort and I believe, that we still have about eight years left. That is a number I believe is accurate. I apologize, but it is a long time.

The next question is, what are you adding in regards to courts? Is it full case documents?

Full case documents--what we are making available on GovInfo for U.S. courts are opinions. They are the court opinions for cases. So, if there are other documents related to that case, those are not there. It is just the opinions. Does that answer your question? Okay, good.

We had a question about searchable PDFs. Is that how they are added? Can they be read by screen readers?

I am not sure if you caught that, Jessica. I am sorry, I can't see where the questions are in the chat. Can you repeat that, please?

I think this was early on in the presentation.

I believe this is a question we get at nearly every conference. All of our PDFs are OCR'd. That is a requirement that, to the extent possible, it is close to 100% OCR on all publications. That does make them all fulltext and fully indexed within GovInfo. You can navigate within a PDF viewer of some kind. To the extent that they are able to be read through screen readers and other accessibility devices, to a large extent that depends upon where we are receiving the PDF from. Some of them are produced through web harvesting activities. Some PDFs come to us directly from the government agency that offered them. Some of them are produced by GPO and other organization efforts. Some historic materials. And, they might not be in their entirety. They might not be suitable to completely be able to be read by screen readers. But, for now our primary commitment is as close to 100% OCR as possible.

The next question will be, what is the best way to get the date of coverage for the various collections?

I will take that one. Can I have the ball back? The reason I ask is because I would like to share and it might be a little bit easier.

Do you have it?

Yes, great. A couple things, we do, where it makes sense. We lift basic information about coverage on the a through Z browse page. You will see bills from the 103rd Congress to the present. I am trying to go slow and I know there are some issues. I am under B, and I am at bills. We have budget and it says fiscal years 1996 to the present. We have many more details. I love every opportunity to highlight our health information, so thank you for that. In our health information, I just navigated there from the top. Either from this menu or over on the side, you can go to what is available. It has all of our collections. There is more information than you probably want on those pages, including in-depth information about coverage. Sometimes, I think of hearings and not all of them are available. We talked about there are select hearings and so forth. That is just an example. I am on the congressional record. Do check out help under what is available. On these about pages you can find coverage and how to search over these collections and really cool target information per collection in this help space. Thank you for that question. That is a great win.

Our next question is going to be, would you go over how some citations can match various mobile documents?

Yes, just because it is easier to have a citation at the ready, I went here before and I was talking about the congressional serial set. I am on the congressional serial set and I choose house document and 82nd Congress. I put in the number, which is 264. After I do that--

Can you do that slower?

Okay, I will pause. It is hard to see what you have on the other end. I have congressional serial set and I chose house document. I selected 82nd Congress. The document number that I know has more than one result is document to 64 for the 82nd Congress. So, if I search, and if I were to search in the basic search I would also see these seven documents. Now, using the form I just went through, all seven are now available here, as well. That wasn't the case before. Like I said, other collections also benefit from this because if you think about the set of registers, sometimes there are three to four documents or little notices, or rules on the Federal Register page. So, there is one citation for that page, but it matches four different documents. So, this functionality helps make that work. Before this was working, I would have just done a search for house document 82/264 and I would use my filters and I would've got my

documents that way. It is not like this functionality wasn't available before, and I don't want you to think that was the case. It just wasn't available from the citations functionality before. Hopefully, that helps. Our next question is about court opinions. Will there be related documents? I think this is about tracking.

Yes, thank you for that question. I would say, yes absolutely. Anything with related documents for U.S. courts is on the road map. I think it needs to be prioritized and what really start with is looking at her metadata and making sure the capability is there. That is definitely, something that is on our road map. I would love to bring that into that functionality space for courts on GovInfo. Thank you.

Our next question is, someone asked how the Perl for specific GovInfo documents be found?

Is in a cataloging record?

I do have a colleague on, Mr. tran37--I don't want to put you on the spot. There are field you can search over for a URL in GovInfo. Or, you can see if April is in that field and if it is on GovInfo. I don't know if Jessica or Jon might have more information.

Let me look at a few things.

Yes, I am sensing that it might be a different question. Jessica, I will give you a chance to address part of that.

A Perl URL is available, but I will say that there is the potential that content has been added to GovInfo. There would be a low possibility of that happening. You can listen to the metadata for any monographs. You will be able to find the full Perl URL.

Can we search by Mark field?

No.

Can you tour the agency website through GovInfo? I mean, we answer that question. It depends on what the parole is for.

No, what you were saying would have been right on the mark. Pearls--for all of these monographs, if there is a Perl that is been created for these monographs that are being adjusted, the maximum it allows us to adjust it requires we do it vocally. They are not PDFs on the website. So, in this situation if you are writing pearls for this content that is maintained on technology by GPO , at some point those pearls should point to the content in GovInfo. But, they do need to be updated after we add the Perl.

All right, the next question is, is there a list we can get on that let's us know the coverage for extended materials?

This is Amanda. A mailing list for when coverage gets extended--we have a feed available for when we curate and publish new articles. So, on the homepage of GovInfo and through the menus , if you want to search things we feature--and, I say that because if we were to extend coverage, often times like digitized congressional directories, that would be something we showcase as a change in coverage because we are adding historical contents. We would showcase it that way. As far as updates that get pushed to you, that is what I think about, is our RFS for when we showcase and announce new things. And certainly, big, new coverages a big deal. As far as a mailing list, having an email blast is something we are looking at, as far as alert down the road for GovInfo. That is an amazing use case that you present. I think that is a wonderful idea when we talk about notifications and alerts. That, in addition to some other use cases that we have looked at would be great candidates. So, that isn't available right now, but thank you for bringing that up as an amazing idea for something for us to look at further.

Is there a separate place for State of the Union addresses? I find searching and possible.

I might need that repeated.

Is there a separate collection for State of the Union addresses?

A separate collection for State of the Union addresses? We have a page where we curate and maintain all the state of the union addresses. Do we have a collection called, state of the union? No, but they are published in multiple places. They are published in the Congressional record and in the compilation of presidential documents. I might have one of my off-line colleagues throw me the link for that. I can

paste it, or they can into the chat. But, we do have a page. It is either an article or something where we maintain state of the union addresses. Thank you. Perfect. That is a great question.

That is all the questions I have seen for right now.

Thanks for all the great questions, everybody.

This is Jessica. There was a question earlier about searching across Mark Fields. I just wanted to clarify that. Technically speaking, there is not a mechanism within search. We don't have anything that says, search by Mark field. But, for much of our content, those harvested monographs, the metadata that populates GovInfo does originate from marks metadata, but is translated. So, it was in a Mark record at some point in time. The field values for those marks feels, the value will be translated and you can search across them. There are help guides and tutorials on GovInfo on how you can feel the search. You can field search it.

Amanda, do you have that?

I do. I just wanted to get to the last slide and make sure people know they can still send us questions, if they have more. We are reachable throughout GPO and also, if you go to GovInfo , there is a contact place and you can feel free to get to us there. Or, we do have a survey where we look for feedback. Those are options. Since we have run out of time I just wanted to say, it doesn't stop here. Please reach out more and ask us questions and send us great feedback. We simply appreciate it so much.

Thank you to our presenters. Up next will be our next talks. We hope you continue to join as. Thank you all.