

## FEDERAL COMMUNICATIONS COMMISSION

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## PUBLIC SAFETY NATIONAL COORDINATION COMMITTEE

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## IMPLEMENTATION SUBCOMMITTEE MEETING

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THURSDAY,

NOVEMBER 15, 2001

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The meeting was held at 1:50 p.m. in Salon A and B of the Brooklyn Marriott Hotel, 333 Adams Street, Brooklyn, NY, Michael Wilhelm, Chair, presiding.

SUBCOMMITTEE MEMBERS PRESENT:

MICHAEL WILHELM - CHAIR  
JOHN POWELL  
GLEN NASH  
ROBERT F. SCHLIEMAN  
TOM TOLMAN  
TED DEMPSEY

ALSO PRESENT:

JOHN OBLAK  
WAYNE LELAND  
TIM GOODALL  
DAVID BYRUM

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ALSO PRESENT: (Cont.)

CLARK PALMER  
DAVID EIERMAN  
RON MAYWORM  
CARLTON WELLS  
RICK KEMPER  
BOB FENICHEL  
DAVID PICKEREL  
PAUL MAY  
DAVE FUNK  
ALI SHAHANI  
FRED GRIFFIN

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Implementation subcommittee

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P-R-O-C-E-E-D-I-N-G-S

(1:50 p.m.)

MR. DEMPSEY: Good afternoon, we will get started. We are going to be, in keeping with my consistent ability to keep our subcommittee short, we will be very short and brief.

We have a couple of presentations and some information to pass on, and then we will be done, and hopefully we will finish in about a half an hour. So if anybody wants to enjoy the sites of New York, I guess they are welcome to it.

MR. TOLMAN: Bob wants to get his hair done. It is an inside joke, sorry.

MR. DEMPSEY: What I would like to do, I guess since the May 10th meeting, where we submitted a wrapped up final copy, we've just been working on it, packaging it, cleaning it up, and essentially checking all the typos, getting rid of them.

And we have created two files. One for the final report, and one for all the appendices, which are zip files. And they have been available -- they've been put out on the listserver, and they have been available on the NPSTC site, as well as the FCC site.

So tomorrow it is just a matter of

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1 formality. I'm going to give a completed copy. Maybe  
2 I will go out and spring for a new binder, to Kathy  
3 Wallman. Just as a matter of, again, formality, just  
4 to present the final document.

5 What we would like to do today is to give  
6 Tom a little time to talk about funding, and he will  
7 introduce Dave to show some screen shots from the data  
8 base, and give us an update on where the data base is.

9 Dave will give us a quick DTV update, and  
10 I think that is about it. I don't think anybody else  
11 has anything, because we haven't done, essentially,  
12 anything other than follow DTV transition, and the  
13 data base and funding since May 10th.

14 So I will give it to Tom.

15 MR. TOLMAN: Thanks, Ted. I really don't  
16 have that much on the funding working group 5 or 6,  
17 whatever we are calling it, except that we want to  
18 continue on with -- well, we haven't done much work,  
19 or effort, or research in the last couple of months,  
20 we know that there is a lot of contingencies.

21 That is the federal budget, last I heard,  
22 has not been finalized out of Congress. And so  
23 ultimately that federal funding piece is contingent  
24 upon what we are able to glean off or go after, or  
25 research, or find out about.

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1           So that is the main contingency right now,  
2           and that is why it is rather idle, because the source  
3           is the source of the funding, and that is primarily  
4           federal.

5           However, we do have one proposal, and I  
6           don't -- is there anybody from PSWN in the audience  
7           here? We talked about this is not finalized, but we  
8           are working on an agreement, and putting on the NPSTC  
9           hat for a second, that when the NCC comes to closure,  
10          that the working group 5, or the working group funding  
11          will continue, should continue, and plans to continue  
12          on its work.

13          And that would be a proposed partnership  
14          of the NPSTC group and also with the PSWN group. That  
15          is really all I have on funding.

16          While we have the mike here, and I  
17          understand we have ten minutes, so ten is it. Dave  
18          Funk will come up here and give an update, a briefing,  
19          on the very latest developments of the pre-  
20          coordination data base, the system, its capabilities,  
21          as requested by the four coordinators.

22          MR. FUNK: I really didn't know how much  
23          time we would have, so there is a number of slides in  
24          here, if anybody wants to look at them in detail we  
25          can do so after the meeting. If Ted wants to be done

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1 we will certainly fly through them, to begin with. In  
2 ten minutes we probably can't talk about them in much  
3 detail.

4 Our philosophy with the data base has  
5 always been kind of this first slide. That is to  
6 avoid making things complicated, or confusing. And so  
7 we are going to move on and take a look at some of  
8 these slides.

9 Just to remind everybody, these are the  
10 main uses that were identified early on by this group,  
11 interoperability and the NPSTC oversight committee,  
12 that is working on the data base, that it needed to do  
13 a number of these functions.

14 And all these functions are currently  
15 built into the system, and we will be showing you how  
16 those work as we go along. As also requested, these  
17 are the people that will have access to the data base.

18 Initially the regional planning committees, and of  
19 course, the coordinators will have access.

20 And as we build out the system, and move  
21 into the application phases, applicants, or their  
22 proxies, and state interoperability executive  
23 committees will be able to go into the data base and  
24 either see information, or utilize the data base for  
25 their own uses.

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1           It is all web access. It has user with  
2 defined privileges. And we have certainly tried to  
3 incorporate the frequency availability notebook, as it  
4 has been referred to over the years, and you will see  
5 how that works as we look at some of the slides of the  
6 screens.

7           I have been given an okay that as long as  
8 your attention is still with me, I can take as long as  
9 we need, Ted is not going to throw me off the stage,  
10 so we appreciate that.

11           The online health facilities, the data  
12 base has a complete online users manual. It will have  
13 context sensitive help within the fields of the  
14 applications. It has a frequently asked questions  
15 base that will be developed as questions are  
16 frequently asked, and planning resource documents, as  
17 requested, will be a part of the storage and  
18 availability, everybody who has authority to be in the  
19 data base.

20           These are just some basic features of the  
21 system that were part of the initial requirements. We  
22 believe at this time we are pretty much on track with  
23 all of these. Obviously we are not in full operation  
24 yet. But all of the pieces are there to do this.

25           As of October the entire system hardware

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1 installation and integration into the university's  
2 systems, for those who don't know, we are associated  
3 through NLACTCNIJ with the University of Denver, at  
4 the University of Denver campus.

5 And as a result of that we did integrate  
6 the system into the networks there at the campus. So  
7 that it would take us some time, but it gives us a lot  
8 of functionality, as well.

9 We've initiated the preliminary testing of  
10 the system, and we have made some enhancements even  
11 since the testing has begun. We are in the process of  
12 reviewing with NYSTEC for the packing pre-allotment  
13 proposal, and we are in the process of pulling those  
14 final agreements together.

15 November has and will be a busy month. We  
16 are continuing preliminary testing, we are preparing  
17 the review and approval of what is going to be  
18 considered the final test plan, there will actually be  
19 a check the box kind of test plan, so that we can make  
20 sure that we are providing exactly the product that we  
21 intended to provide.

22 Preparation for the training curriculum  
23 for regional planners to come through and actually  
24 come to Denver to learn the use of the data base,  
25 which we hope will be a short course, if you will.

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1 We've tried to build it to be intuitive and user  
2 friendly. But there are some basics that, of course,  
3 need to be reviewed with people as we go.

4 And the final work regarding the NYSTEC  
5 pre-allotment data pack will be a primary concern this  
6 month.

7 This is kind of a road map to where we  
8 are. As I said, the system installation has occurred,  
9 and we are preparing for the data pack. The training,  
10 we've elected at this point to train after the data is  
11 in place. Training prior to that would seem to be  
12 showing people less than what, really, the  
13 capabilities of the data are.

14 And we hope to go into live operation  
15 after the first of the year, so those dates will be  
16 specifically determined by a number of factors. But  
17 we hope to have it by spring in a mode that regional  
18 planners are in the process of actually using the data  
19 base in some manner.

20 Take a look at a few screens. These are  
21 actual screens of the data base, it does exist, and if  
22 anybody has any major interest, at some point in time,  
23 I would be glad to go online and we can actually look  
24 at it. Nobody can get into it but me right now.

25 But the data base will have a common, or a

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1 publicly available front screen, although we are not  
2 going to advertise it as such. This is a dynamically  
3 generated screen that provides basic information.  
4 This entire area can be updated by me, and we can put  
5 breaking news, or FCC announcements, or a number of  
6 different things in this area of the page.

7           The login for the page is readily  
8 available, along with links to major sites, primarily  
9 our coordinators, NLAETC, NPSTC, of course, one of the  
10 sponsoring groups of the data base, and obviously 700  
11 planning things from the FCC site. These links go  
12 directly to their site for coordination of  
13 information.

14           The data base is built so that there is a  
15 completely duplicate yet entirely separate training  
16 side. So we can train in the use of the data base  
17 without affecting real data in the actual data base.

18           Though it uses information that is common  
19 to both, so that when you train you are actually using  
20 real data, but it doesn't affect the data bases that  
21 regional planners and people will have built after we  
22 send the first class through, and subsequent classes  
23 to that.

24           The second screen in, this one is an  
25 administrator's screen. It allows administrative

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1 functions from a menu that I can manage users names,  
2 privileges, and that sort of thing.

3 But, essentially, the two choices that we  
4 are dealing with are regional planning and frequency  
5 application. And by choosing the region that you are  
6 interested in, based on your privileges, you can  
7 either view or edit, or initiate activity within your  
8 region of interest.

9 As I said before, the training side has  
10 the same basic data base. We've also included a test  
11 region that I build examples in, and we will use  
12 during the training mode to show you how each of the  
13 pieces work as regional planners learn to work the  
14 system.

15 I've used Colorado, I hope you don't mind,  
16 but that is where we are, so it was easiest for me.  
17 That is where most of our pretend data is. The  
18 interaction screens on the data base screens that are  
19 presented to you all are functional in some way.

20 The top banner has a number of choices, as  
21 does the side banner, with the main information being  
22 presented in a center screen.

23 Clicking on the hyperlinked Colorado, at  
24 the top of that former screen, you can get a planning  
25 summary page that gives a regional planner, or anyone

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1 looking at this page, a general understanding of some  
2 of the elements that are important within the Colorado  
3 region.

4 This, of course, changes and is dynamic to  
5 the information that is available within that given  
6 region.

7 Also within this area channel allotments  
8 can be identified for the entire region, or for a  
9 particular county within the region. If you recall  
10 the state map of Colorado was broken down into the  
11 county blocks.

12 The pre-allotment will affect this area.  
13 The data base originally is built so that this entire  
14 area of pre-allotment and planning can be done  
15 manually. And that was our original mission with the  
16 data base.

17 The idea of the data pack which will  
18 significantly enhance how the data base works for you  
19 as regional planners and applicants, will actually  
20 fill in these spots automatically, by assigning to  
21 each county-like region, frequencies based on  
22 population and all of the information that has been  
23 provided on the pre-allotment plan.

24 How many are familiar with the pre-  
25 allotment plan that was provided in August at the APCO

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1 convention? A lot of regional planners, and those  
2 kinds of people should have received that. In fact,  
3 everybody should have. It was sent to everyone for  
4 comment.

5           Essentially the idea behind this initial  
6 data pack is to provide a nation-wide view of how the  
7 frequencies will look in their best use scenario,  
8 allotted at a 25 KHz block, and based on population  
9 and needs assessments associated with the PSWC reports  
10 of the late '90s.

11           So packing plan will be an additional  
12 piece that plugs in, and that is the piece that will  
13 actually put the data in the data base. But the data  
14 base itself is functional. And as we've had a number  
15 of concerns from this group, the data base, even with  
16 the pack, is still completely manageable by the  
17 regional planning committees.

18           Those groups will have the final say on  
19 what these allotments look like, and what the plans  
20 look like in the final analysis.

21           We've automated pieces of this particular  
22 part, and that is one of the frequency availability  
23 features, by placing an ad line at the bottom, you can  
24 select the type of frequency that you want to add to  
25 your plan, if you will. Either general use,

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1 interoperability, low power, or the state frequencies  
2 are in here.

3 By clicking there it opens a drop down,  
4 you can select the type of frequency that you want to  
5 look at. You can allot in either 25, 12.5, or even  
6 6.25. You can then press the show button and bring up  
7 a selection box that allows you to identify within a  
8 determined distance, your distance, you put in  
9 whatever distance, from the center geopoint of the  
10 area that you are dealing with, in this case Arapaho  
11 County, Colorado.

12 You can identify by looking at this 100  
13 kilometer area, you have a number of channels that are  
14 already allotted to other areas in the neighborhood.  
15 And it has taken an input into these green hyperlinks  
16 channels that you could plug into your plan, as a  
17 regional planner for this county, if you so desire.

18 Now, keep in mind, most of this process  
19 will be automated by the data pack. But there will  
20 still be some that you could additionally plan as you  
21 move through your process.

22 Still in the entire region view  
23 information is required. Part of our mandate was to  
24 include television station potential interference  
25 information. And for every state this information has

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1 been gathered, primarily from FCC records, and will be  
2 updated as we progress, obviously as they move off, we  
3 hope, the list will be shorter.

4 For now as part of the state you can go  
5 into any county. And this is also available if you  
6 are looking at a particular county, this information  
7 is available.

8 But you can press a hyperlink and it will  
9 bring up a selected channel giving you the information  
10 that is available to us on its location, and the kinds  
11 of information for that TV station.

12 And in some cases, many of the cases, the  
13 antenna ID is available, and if you press on that  
14 hyperlink you get the antenna pattern data that is  
15 available and associated with that antenna.

16 In the administrative info portion, this  
17 is where our regional planning managers will go in,  
18 keeping us abreast, and everyone else who is in the  
19 regional planning world of information on contacts, in  
20 particular importance is the email, because the system  
21 will generate notifications to designated people as we  
22 move through the planning and application processes.

23 Administrative information is also  
24 available for each county. And in the newest screens  
25 of this, this particular latitude-longitude is

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1 identified as a geocenter point.

2 In the newest screen what we've added is a  
3 box that will allow the regional planner to actually  
4 set a different latitude-longitude for a center point  
5 for planning if they so desire.

6 In Arapaho County, for example, the county  
7 is very narrow, and very long. The center point comes  
8 in at about Byers, which is about the middle of the  
9 county, but is in the middle of farmland.

10 And so the west side of the county, which  
11 is predominantly metropolitan, actually has the most  
12 use. And so a planner could move the center point of  
13 the county over, if they want to. And that is a  
14 feature that was added after some discussion with some  
15 regional planning committee people.

16 Again, it identifies general pieces of  
17 information for that county population as a percentage  
18 of state and the region, and also identifies if it is  
19 in border areas that would be of concern in Canada,  
20 Mexico coordination issues.

21 Moving down, as you move into the regional  
22 plan itself, you can identify for the entire region  
23 the status of the plan. This information is available  
24 to view by anybody. If you are the regional planner  
25 that is involved at this particular time you can

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1 actually go in and change the status of your plan.

2 And once you've changed it to the status  
3 of review by others, it allows you to move on into an  
4 area that will accept comments. And when this status  
5 changes the system will automatically generate an  
6 email notification to all of the regions that are  
7 adjoining your region, because it knows who you are  
8 when you sign on.

9 And you can designate, if for some reason  
10 you don't want to talk to Texas, you don't have to.  
11 But you can go in and the system generates an email  
12 with the basic information announcing that you have  
13 made a change in your status, and are requesting  
14 people to go review your plan.

15 Since that concurrence is required, the  
16 system will track the concurrence, and track the  
17 comments that are made regarding your plan. And you  
18 can put in any other information in this email that  
19 you want to, simply by clicking here and typing the  
20 text.

21 When you are ready to send it the system  
22 will send the email and make that notification for  
23 you. Comments coming into the system, through the  
24 system, by the adjoining regions can simply go in and  
25 by typing new add a comment, you will be given a box

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1 that you can type in whatever you want as a comment,  
2 keeping in mind that these are public view, and we  
3 know who you are, so don't make statements that you  
4 don't want to be held accountable for.

5 But if they are your comments you can come  
6 back and edit them. If you are interested in seeing  
7 comments others have made you can actually press the  
8 show button and they will pop up into this viewing  
9 area here. Some of the captions of each of the  
10 comments are available on the side.

11 The planners can go into a regional  
12 planning spectrum view, and it will actually give a  
13 quick overview of areas that by clicking on this edit  
14 button, if you have that capability, or a show button  
15 if you are a viewer.

16 What this does is allow you to manage the  
17 spectrum within your region differently if you so  
18 desire. For example, if you've identified a TV  
19 station that particularly blocks a certain set of  
20 channels you can go in and by opening this edit  
21 button, you can actually go to a spot on that  
22 frequency pair, click blocked, and you've eliminated  
23 the possibility of others in your area utilizing that  
24 set of channels, but you can control it.

25 So that when the TV stations goes away you

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1 simply go in, make it free, and those stations come  
2 back to your use. So it gives each region a  
3 capability to manage frequencies.

4 They could also, for example, go in and  
5 set their own reserve, if you will, set up some  
6 frequencies that you want to hold because of a state  
7 project that you know is coming, or some other kind of  
8 pre-planning element.

9 Some of the reports, and these are just a  
10 few, these reports can be generated dynamically as a  
11 need for different kinds of reports are identified.  
12 Those reports can be created. These are intended to  
13 be able to be used either on screen, by clicking and  
14 selecting, and in this case the channel allotments by  
15 frequency pairs, or by the channel name.

16 It tells you the information about those,  
17 and each of these reports can also -- these are the  
18 basic reports that we've seen in most plans, where it  
19 talks about who has what, and who adjacent co-channel  
20 usage, those kinds of things.

21 Each of these reports can be copied, taken  
22 out of the data base from this screen, with right  
23 mouse click inserted into documents, such as Word or  
24 Excel. And you can either form tables or  
25 spreadsheets, where you can then manage those reports

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1 yourself, or do other things in terms of preparing the  
2 actual narrative pieces of your regional plan.

3 As we move down, one of the requirements  
4 was to store the regional plans in a readily available  
5 way so that everybody could see and view the regional  
6 plans. Some of the complaints on the 800 were that  
7 the plans were basically built in the dark, nobody  
8 could see each other's plans, nobody knew who was  
9 doing what. And the idea was that we needed to have  
10 more sharing.

11 The final plans, or even interim plans can  
12 be stored on the data base for viewing in PDF format,  
13 as this one is. We've also allowed for Microsoft Word  
14 to go up, so that you could actually show additional  
15 plans.

16 The final plan will be mandated to be held  
17 in PDF format, because that provides that lowest  
18 common denominator of people being able to view that  
19 plan. And so the final plan will be automatically  
20 required to be in PDF format.

21 You can either upload that PDF yourself  
22 over the internet, or you can send me the document,  
23 and we will put it into PDF format for you, send it  
24 back, and then you can upload it.

25 The next screen shows how the uploading

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1 occurs. You simply go to your browse button, it opens  
2 up your computer, you select where you put your plan  
3 documents, either in PDF or Word format, and then you  
4 bring it down here into, by double clicking it, and  
5 then simply writing a new description, if you so  
6 desire, and press the upload button, and it takes your  
7 files and uploads it to this system, where it is  
8 available.

9 Another part of the regional planning area  
10 is that we have included all of the NCC subcommittee  
11 documents. They will be available either in Acrobat  
12 format, or in Word file. Any particular ones that are  
13 templates and designed to be utilized by people as a  
14 model, you can actually go to the site, click on it,  
15 and download that Word file, fill in the blanks, and  
16 make it part of your plan.

17 With each area within regional planning  
18 there is a frequently asked question area. That, of  
19 course, will be developed as we move through  
20 frequently asked questions.

21 There is an entire online users manual  
22 that can be read, printed, researched from, within the  
23 data base. And a general little question mark thing,  
24 a general help screen kind of a thing that will be  
25 specifically to the screen that you are in, or working

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1 in at the time.

2 By selecting the appropriate button on the  
3 top bar, again, we've now moved into the applications  
4 side of the data base. And you can always tell where  
5 you are in the data base because of the upper right-  
6 hand corner telling you where you are.

7 But the same general conventions in moving  
8 through the data base are active here. In this  
9 particular situation this is the classic frequency  
10 availability notebook that has been referred to on a  
11 number of occasions.

12 And in this particular case we are going  
13 to look at the preview of those channels, a general  
14 research, just looking for the kinds of things that  
15 might be available in your area sort of a thing.

16 We've designed it specifically to look at  
17 the county area, because that is how the allocations  
18 are set up, so you must declare which county type area  
19 you are looking at, or interested in, before you can  
20 begin to view those.

21 You can go in and make selections based on  
22 what you want to look for, either the available  
23 channels, or the unavailable channels. We were told  
24 that some people might want to look at what is not  
25 available, thereby default other things are available.

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1           Also, you can pick either allotment only,  
2 or allotment with any pool channels that are available  
3 to you. You can also select the type that you want to  
4 look for, the band width that you want to look in, and  
5 also establish some sort of a criteria distance that  
6 you set, and you want to look for.

7           Once you've made that selection the data  
8 base will present you with a set of options. The  
9 identified channels in green are ones that are  
10 actually allotted to the county of interest. And it  
11 shows that they are, in fact, allotted to that county.

12           It also makes note that these are also  
13 allotted to Boulder, but it is okay, because they are  
14 green, so Boulder is far enough away from whatever you  
15 are doing that they can be allotted in both places,  
16 because the system allowed it to be.

17           Here it identifies this set. This is kind  
18 of hard to see, and I apologize. This is yellow, and  
19 that is in a status of being applied for. So someone  
20 in Arapaho county has established an application for  
21 those channels, and it identifies that to you in color  
22 code.

23           In the pool frequency availability it  
24 shows that these are green, they are available, nobody  
25 has them, you could grab them. The blue ones are

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1 available, but they are in fact allotted to other  
2 areas.

3 And it is identified where they are, and  
4 that way you could go and look at those, if you are a  
5 regional planner, or people involved, you could go  
6 look at those counties to see if that would work for  
7 you.

8 Applications are kept on file in the data  
9 base. And in order to find the applications that you  
10 want to look at you can go into this button, which  
11 allows a filter. You can select the ownership,  
12 whether you want to look at all the applications on  
13 file, just the ones that belong to you as an actually  
14 applicant, or person. Or you can go in and look at  
15 just other people's applications.

16 You can also select an application based  
17 on its status in the system. In other words, if you  
18 didn't want to look at licensed, or rejected, or  
19 whatever, you could look at just those that have been  
20 initiated.

21 You can then also select the coordinator  
22 that may be handling that application. So you may  
23 want to look for all of the applications that have  
24 been initiated that belong to AASHTO as a coordinator.

25 In that case you can select any or any one, or a

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1 combination of these filters, to give you a list of  
2 applications.

3           Within the system the applications are  
4 presented with a summary status. And it identifies by  
5 your privileges whether or not you have review  
6 privileges, or edit privileges.

7           If they are yours you can edit them. If  
8 they are not yours, you can review them. But it  
9 allows you to edit only those that you are an owner  
10 of, as in initiated, or a co-owner of, as can be  
11 specified later in the data base.

12           Once you've selected an application, as we  
13 have here, by clicking on the radio button, you move  
14 to the second area of the site panel, and by clicking  
15 on the view button you can pick the form of the 601  
16 that you want to look at, in this case the main form.

17           Information that you've entered appears in  
18 blue so that you can readily identify that it is not  
19 part of the form, and that it is, in fact,  
20 information. When you print it from here, the blue  
21 appears in a bold print, very similar to how the ULS  
22 prints.

23           As you move through an application you can  
24 make attachments to the application, you can upload  
25 any kind of attachment that you want. Basically as

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1 long as it fits these document PDF text, JPEGS or  
2 PNGs, this originally can be your point vector  
3 polygons, it can be pictures of your mother in law, it  
4 can be whatever you want, essentially, that you want  
5 to include with your application, or may be required  
6 to include.

7 And the product of this will be that these  
8 attachments are sent along electronically, with the  
9 rest of the application, to the coordinators as you  
10 define them. And, again, you upload it similarly to  
11 the way you do a -- your regional plan documents, by  
12 merely finding the file that you want to upload on  
13 your computer, double clicking, and then uploading it.

14 Once you've done so it presents  
15 attachments in a summary format here, and allows you  
16 to change the description on the fly. It also allows  
17 you to delete any documents, or attachments that you  
18 may have put on, and it also allows you to click on  
19 this hyperlink and review that upload.

20 Molecules of interest, to whom I don't  
21 know, but it was the JPEG that got uploaded for this  
22 file. So that it can be a picture, it can be a text  
23 document, or whatever, as an attachment.

24 As I was saying, in the course of filling  
25 out the application, if you get to a point where you

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1 don't know what to do, you can place your cursor on  
2 the block, go up to the question marks on the top,  
3 click there, and it will bring up the item that you  
4 were looking for, item 5 here, as the first piece in a  
5 context sensitive sort of help mode, utilizing the  
6 instructions for the form.

7           The next piece that you can do is validate  
8 your form. As you've filled out your application at  
9 some point you feel that you've completed it, you can  
10 go over with that form up, punch validation, and it  
11 will give you a list of all the things that you didn't  
12 do right according to the rules as we know them  
13 currently for the 601 form, indicating things that you  
14 are required to do before this application can be sent  
15 on for coordination.

16           The application status, the computer keeps  
17 track of where your application is, what is going on  
18 with it, and who did what to it. You can't hardly see  
19 them, but there is little check box that take you down  
20 the way, all the way to your final status of the FCC  
21 action, which will either hopefully be your license,  
22 or your denial, based on the application that you  
23 submit to your coordinator.

24           This information will be back and forth  
25 communicating between the coordinators, obviously, and

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1 the data base.

2 You can initiate a new application here,  
3 which we will walk you through the creation of a  
4 completely new application. And then, of course, once  
5 saved is available within the data base of  
6 applications.

7 You can print as you go, pages, so that if  
8 you like to keep a paper file, as many people do, you  
9 can actually have your application and you will know  
10 right where you stopped. You can actually save a  
11 piece, go do something else, come back, go to that  
12 page, and start over in filling out your application  
13 if you don't do it all in one sitting.

14 Again, the use of the application and the  
15 availability channel notebook is that on the pages  
16 where you will be inserting channel IDs, frequency  
17 IDs, you can go in and by adding and selecting the  
18 kinds of information that are required on your  
19 schedule H, show the frequencies, and it will pop up,  
20 the finder that will, with the same criteria, you can  
21 put in the kinds of things you want to look for, in  
22 terms of your application, press find the channels,  
23 and it will provide you a list with these criteria, of  
24 channels that are readily available in green, and  
25 hyperlinked.

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1           Those that are yellow are being applied  
2 for. These could be used, but you would have to go  
3 fight whoever is applying for them, for them. I don't  
4 have any in here that are, but those that have already  
5 been sent to coordination, in other words, the  
6 application has been submitted, will appear in red.

7           And those that are allotted, or in  
8 otherwise a capability beyond where you are, will be  
9 in blue. In your area the data base is designed that  
10 if you select channels that are within your allotted  
11 area the data base presumes that those are okay,  
12 because they match the regional plan that is on file  
13 in the data base, and would not require the regional  
14 planning committee to get involved.

15           Those applications could be submitted to  
16 the proper coordinator, and be managed just like any  
17 other application. If you are selecting one of these  
18 pool channel availabilities, they are fine, they are  
19 green, they are good to go, but the regional planner  
20 would also have to be involved in making sure that  
21 that fits with what they had in mind for the rest of  
22 those channels.

23           And so they would be notified of that  
24 application status, and they could come and check, or  
25 send you notification that, no, that wouldn't be a

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1 good idea to apply for those, or give you the blessing  
2 that is necessary.

3 As I said, the applicant chooses the  
4 coordinator, and that is what this whole page is  
5 about. Until this summer the 700 band was going to be  
6 the first place where all four coordinators worked  
7 together, in the same arena, coordinating the same  
8 frequencies at the same time.

9 And the concept was that the choice would  
10 be the applicant's to make, and so it is. Each of  
11 these selections allow for the assignment of that  
12 application to a coordinator. And, of course,  
13 specifies the notifications that need to be made with  
14 that application.

15 The assignment can be changed by the owner  
16 of the application at any time prior to submitting it.

17 And, in fact, once the coordinator is selected, if it  
18 is APCO, for example, that special page, the EDR33,  
19 that form will pop up for you, and you will fill that  
20 out, and you will be ready to move on with your  
21 application.

22 You can assign co-owners, based on the  
23 concept that you may want somebody else to be able to  
24 help manage this. And certainly if you are in the  
25 situation of a proxy, a Motorola, an Ericsson, or

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1 whoever, doing systems and things, and you are  
2 functioning with a client, you would certainly have  
3 co-ownership in how you manage that application.

4 As in the regional planning area,  
5 frequently asked questions is available, that will be  
6 developed. A general context help of 601 instructions  
7 are available, and a full online application users  
8 guide is available as well.

9 Are there any questions I can answer right  
10 now, as kind of a 20,000 foot flyover of the basic  
11 functions?

12 (No response.)

13 MR. FUNK: Great, thanks.

14 MR. TOLMAN: And I have been reminded that  
15 when I said short presentation, that is Colorado  
16 version. We know about New York, and a New York  
17 minute. There is a difference between a New York  
18 minute and a Colorado minute.

19 MR. DEMPSEY: I would just like to thank  
20 Dave, that was good. And, of course, all the people  
21 that worked on the data base. I think it has exceeded  
22 any of our expectations as to how much it is going to  
23 assist us.

24 I don't think any of us, really, when we  
25 first suggested this type of data base, dreamed that

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1 it would look like this, and be such a useful tool.  
2 So thanks to the guys in NPSTC, and to NIJ, and to  
3 David and Gene for the job that they did.

4 David is going to be a, kind of a brief  
5 update on DTV activity.

6 MR. EIEMAN: David Eierman with Motorola,  
7 chair of the DTV transition working group.

8 Good news, the 700 MHz option is back on.  
9 They've rescheduled the date for next June. So,  
10 hopefully, they won't move it again. Several things  
11 have happened since early this year on band clearing.

12 In September the FCC released a decision,  
13 basically a reconsideration of the rules they issued  
14 in an earlier year, clarifying some of those rules.  
15 And this is in regards to voluntary band clearing  
16 agreements between the encumbered broadcasters and the  
17 wireless licensees.

18 And it covers channels 59 through 69, not  
19 just 60 through 69, because they have to clear the  
20 adjacent channel 59, in most areas, to actually use  
21 channel 60 spectrum.

22 Earlier in the year the Commission had  
23 decided that the individual broadcasters could agree  
24 to voluntarily vacate these channels by some mutually  
25 agreed-to date, by making agreements with the

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1 incumbent, or the new auction winner.

2 And there were two ways of doing it. One  
3 is an agreement between the individual broadcaster,  
4 and the new 700 MHz licensee. Or the other was  
5 basically a three way agreement, where there would be  
6 two sets of TV stations involved, a TV channel below  
7 59, TV incumbent on 59 through 60, and the new  
8 wireless licensee could agree to doing some channel  
9 swaps in order to clear a channel on 59 through 69.

10 The result of this is that either  
11 agreement is, a lot of these TV incumbents end up with  
12 just a single channel now, where before they had an  
13 analog, and a DTV allotment. Now they end up with a  
14 single channel.

15 So this most recent FCC decision was  
16 related to changing some rules related to those single  
17 channel broadcasters.

18 For these people, or these incumbents,  
19 initially they had to meet the original DTV  
20 construction deadline, to be on the air by May of 2002  
21 for commercial, and May of 2003 for educational  
22 stations.

23 And they had until December 31st of 2004,  
24 I'm sorry, until 2004 to be up and operating one  
25 hundred percent on their DTV channel. The

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1 reconsideration moves that date out until December  
2 31st of 2005, or until 70 percent of the households  
3 are available.

4 So, basically, the single channel guys  
5 could continue to operate in analog mode for about 30  
6 more months. But they still have to convert that  
7 single channel to DTV before the end of the DTV  
8 transition.

9 Another thing decided on was that by the  
10 same date there is a use or lose requirement. That  
11 the DTV station wasn't up and operating at full power,  
12 and covering the initial grade B contour of the analog  
13 station, that they would lose interference protection  
14 in the areas they did not cover.

15 So, again, there is a 31 month extension  
16 for them to meet the original grade B requirement  
17 before they lose any non-covered areas.

18 Basically, you know, this has given the  
19 single channel broadcasters some flexibility to  
20 convert from analog to digital on their own schedule,  
21 as long as they meet the end date of December 2005.

22 Now, you know, that is not clearing as  
23 soon as we want them to clear, but it is giving them  
24 the chance to get off of channel 60 through 69 as fast  
25 as possible.

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1           The Commission reiterated support for  
2 voluntary market mechanisms to clear this spectrum,  
3 especially the secondary auctions that have been  
4 proposed by spectrum exchange passed to another.

5           Again, the Commission's trying to promote  
6 certainty in this process by, you know, so that the  
7 incumbents -- I'm sorry, trying to promote certainty  
8 in the clearing process such that the auction winners  
9 know what they are getting, and when they are going to  
10 get it.

11           And they've requested that the mass media  
12 bureau establish a 90 day processing period for  
13 requests to convert the changes to licenses for the  
14 voluntary clearing.

15           There has been some Canadian activity.  
16 Also Canada had a public notice about changing the 700  
17 broadcast band to allowing mobile-in as a co-equal  
18 user. Very good support from both Canadian and U.S.  
19 public safety organizations.

20           Canadian broadcasting organizations didn't  
21 oppose it, but they did submit a detailed technical  
22 analysis showing that, especially in the Great Lakes  
23 area, where there is only like seven analog incumbents  
24 that are a problem, that there is something like 33  
25 DTV incumbents that are going to be a problem if the

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1 stations come on the air.

2 So, you know, what we've been saying all  
3 along is true, we've got to try and work with, you  
4 know, between U.S. and Canada trying to keep those DTV  
5 allotments from being occupied, and trying to get them  
6 down into lower spectrum, possibly on some of the  
7 unoccupied channels.

8 FCC also set up a DTV taskforce. Chairman  
9 Powell set up an internal cross-bureau, cross-  
10 discipline task force to review the transition  
11 process, and make recommendations.

12 And, you know, basically it is a time line  
13 correct or not, is the time line unrealistic, what the  
14 FCC can do, can't do, and what should be done outside  
15 the FCC.

16 And Congress has had some industry people  
17 in to review the issues that are holding up cable  
18 transition, and other things.

19 Transition status, out of 1,688 commercial  
20 and educational stations, as of October, the FCC had  
21 issued 1,344 stations, which is about 80 percent  
22 construction permits, for some type of temporary  
23 authorization.

24 But only about 210 of those are actually  
25 on the air and operating today. And we have less than

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1 six months to the May 2002 date, when they are  
2 supposed to be up and operating.

3 That is it.

4 MR. DEMPSEY: Thank you.

5 CHAIR WILHELM: What I would like to do  
6 now is to take a five minute break so that you can  
7 take advantage of what has been rolled into the back  
8 of the room. There is coffee, tea, sodas, and again I  
9 want to mention that our room and refreshments for  
10 both days' meetings were provided by IXP and Motorola.

11 And we do appreciate it.

12 So we will take up again at exactly 3  
13 o'clock.

14 (Whereupon, the above-entitled matter went  
15 off the record at 2:55 p.m. and went back  
16 on the record at 3:05 p.m.)

17 MR. DEMPSEY: Before we get on to any new  
18 business, and hopefully there won't be a lot of new  
19 business, I would just like to thank a couple of  
20 people that have been working, especially over the  
21 summer in editing, kind of finalizing and cleaning up  
22 the document.

23 One name that I guess was familiar to us  
24 throughout the whole thing is Betty Rhinehart from  
25 Motorola, who really did a great job helping us. I

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1 should say really putting together the whole document.

2 And I think, you know, just to show the  
3 perspective, Motorola supplied some people to help us  
4 out. The environment transition team for DTV, Betty  
5 and it was my job to make sure that everybody stayed  
6 in focus, and did a job that wasn't leaning towards, I  
7 guess, one technology or one -- and those two people,  
8 never did I have to slap them and say, you are not  
9 with Motorola, you are not with Motorola.

10 They did a great job of keeping  
11 perspective of what our task was. And, of course,  
12 another man behind the scenes is Emil Vogel who,  
13 because of his knowledge from the old 800, was  
14 invaluable in putting together the new documents.

15 There was a lot of history in the original  
16 800 MHz allocations that Emil brought with him, and  
17 his guidance was invaluable to getting the documents  
18 finished.

19 And, of course, to my esteemed panel here,  
20 although we have been quiet in the last couple of  
21 months, because we've essentially finished our work,  
22 everyone prior to that put in a lot of work in getting  
23 the documents finished and on time, and going over it  
24 time and time again, after receiving comments, and  
25 making sure that the comments were included, and

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1 making sure that we didn't leave anything -- I can't  
2 think of a word, which is usually unusual for me.

3 We made sure that each concern was  
4 addressed throughout the whole process, so that the  
5 document that we finally produced would be usable. And  
6 that was our big commitment that we made in the  
7 beginning, that this process would be a little bit  
8 easier than the last time around, and would be a  
9 little bit more user friendly.

10 And the data base, I think, is going to go  
11 a long way into getting to that goal, because it is  
12 going to be something that will be very easily  
13 maneuvered through, and will help all of us who are in  
14 the regional planning process, accomplish our goals.

15 Is there any new business that anyone  
16 would like to discuss before we close out today's  
17 meeting? Any questions about what we saw today, or  
18 what we've done?

19 Since St. Louis we've corrected a few  
20 typos, and we've changed the table of contents to  
21 eliminate one document that didn't exist, and that was  
22 it. So that was the document that was uploaded  
23 months, when did we send that to the listserver?

24 UNMIKED PARTICIPANT

25 MR. DEMPSEY: Right. But when did we

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1 upload the corrected version of that, do you remember?

2 Yes, about a month and a half ago. So everything  
3 that is out there now, available, is up to date.

4 MR. SHAHANI: I think since you've  
5 recognized all the people who contributed, I think  
6 there is another person, on behalf of TIA, which was  
7 Bernie Olson, and Bernie Olson's group did a  
8 tremendous job under his leadership for frequency  
9 coordination and criteria, especially his work on 700  
10 MHz that is part of the subcommittee. It should be  
11 recognized, and I think it is a tremendous paper.

12 CHAIR WILHELM: One important  
13 announcement. The sponsors, the members of the  
14 Steering Committee, and the Subcommittee leaders are  
15 getting together for an informal meeting tomorrow  
16 morning at 8:30.

17 The meeting location has been changed. It  
18 has been changed from salon A to the Prospect Park  
19 room on the third floor. So we are looking forward to  
20 seeing the sponsors, the subcommittee members, and the  
21 steering committee members, tomorrow at 8:30.

22 With that I think we are concluded for the  
23 day. I thank you very much for coming. The meeting  
24 tomorrow starts at 9:30 in the morning, and I look  
25 forward to seeing all of you there.

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Have a good evening.

(Whereupon, at 3:10 p.m. the above-entitled matter was concluded.)

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