

MINUTES OF THE TWENTIETH AND FINAL MEETING OF THE PUBLIC SAFETY NATIONAL COORDINATION COMMITTEE

Date/Time: Thursday, July 17, 2003; Meeting commenced at 9:45 a.m.

Address: Federal Communications Commission
Commission Meeting Room
445 - 12th Street, S.W.
Washington, DC 20554

Attendees: See attached list

Convening of Meeting. Kathleen Wallman, Chair of the National Coordination Committee (NCC), opened the twentieth and final meeting of the NCC. She said that, since the first NCC meeting on April 29, 1999, a number of events had occurred that affect the issues that the NCC has been working on. These events include the September 11th attacks, two wars, a new national alert system, and a new Department of Homeland Security. She stated that NCC members should be proud of their accomplishments over the last several years, which are being documented in a report that is a compendium of NCC recommendations to the FCC and which will be available at a special recognition ceremony tentatively scheduled for September 10 at the Commission's September agenda meeting. Ms. Wallman indicated that details of that meeting will be placed on the NCC's web site, and a Public Notice will be issued when they are finalized. She noted, however, that the NCC still has additional work to do. Its charter expires on July 25, and, thus, the July 17th meeting is the last chance to formulate recommendations from the NCC Steering Committee to the FCC. She believed it will be possible to supplement those recommendations with a more detailed report shortly after July 25, but today is the last chance to achieve and test consensus on the final work items before the NCC.

Subcommittee Reports. Ms. Wallman requested reports from yesterday's Subcommittee meetings.

Interoperability Subcommittee Report. John Powell, Chair of the Interoperability Subcommittee, handed to the Steering Committee a summary of actions and recommendations that his Subcommittee would be forwarding. He said the summary reiterates some of the actions at yesterday's Subcommittee meeting and previously-made requests by Michael Wilhelm, NCC Designated Federal Officer, at the last Steering Committee meeting to provide sample rule language to the FCC if the Commission chooses to adopt some of the recommendations. Mr. Powell indicated that although the document essentially is in final form, some additional confirmatory language was required. He then summarized matters, collectively, involving: (1) SIEC name, structure, and expanded authority; (2) channel nomenclature standardization for interoperability ("I/O") channels in all of the bands; (3) standardization of I/O restriction footnotes in FCC Tables of Allocation; (4) requirement for statewide all-band I/O plans; (5) expanding channel display references to eight characters to include the new I/O channel names; (6) requirement and timeframe for manufacturers to incorporate I/O channel names in programming software; and (7) requirement for inclusion of the ANSI/EIA/TIA 902 series 50 kHz wideband data I/O mode in most wideband data equipment. Mr. Powell indicated that there was unanimous consensus on Items 5 and 6 yesterday, and consensus with objections from only one manufacturer concerning Item 7. He urged the Steering Committee to reiterate its support for those items being clarified and to forward to the FCC the recommendations the Subcommittee made on the new items. He also said he expected the final report would be given to the Steering Committee by the weekend and requested that any Steering Committee members wishing to review the final document advise him so he could provide them with copies of the document.

At the end of Mr. Powell's report, Ms. Wallman expressed her interest in wanting to review the final document to ensure precise language regarding Item 7. Ernie Hofmeister, MA/COM, noted for the record that, as to Item 7, inclusion of the Telecommunications Industries Association (TIA) referenced wideband data mode as mandatory in all wideband data radios would result in some cost increase. Ms. Wallman said Mr. Hofmeister's point was well taken and hoped the wording of the recommendation would capture the import of

his comment. Mr. Powell said that manufacturers asserted at yesterday's meeting that they could make software changes in two years; thus, he, continued, the final report will reflect a two-year requirement recommended for such software change for the standardized nomenclature rather than five years.

Ms. Wallman then stated that, because everyone wanting to speak was fully heard, she took it to be an expression of consensus regarding the Interoperability Subcommittee recommendations Mr. Powell just outlined.

Technology Subcommittee Report. Glen Nash, Subcommittee Chair, reported that the Subcommittee dealt with non-controversial issues regarding recommendations for the wideband data channels. He expressed the Subcommittee's appreciation to TIA, to John Oblak and his TIA TR-8 Committee for efforts in developing these standards, and to Jeff Anderson of Motorola, who chaired the TIA effort to bring the standards to ballot. Mr. Nash then handed out a letter (dated July 11, 2003) in which Wayne Leland, Chairman, TIA Private Radio Section, wrote to Ms. Wallman regarding TIA's Private Radio Section recommendations that the NCC adopt and recommend to the FCC six required standards for use on FCC Designated Wideband I/O channels in the 700 MHz Public Safety band. (Mr. Nash mentioned some typos in the letter.) He also said there are some document updates and yielded the floor to John Oblak.

Presentation by John Oblak. John Oblak, Chief Engineer at E.F. Johnson, Chairman of the TIA TR-8.1 Subcommittee on Measurements, and Chairman of the TR-8 Engineering Committee for Private Radio, gave a PowerPoint presentation titled *TIA Wideband Data Standards Status Update*, regarding TIA's final report on TIA progress in developing wideband data standards for the 700 MHz public safety band. He said TIA began work on seven documents about two years ago to define 700 MHz I/O wideband data standards. Saying six of the seven documents have been published, he stated that TIA TR-8 recommends that the NCC recommend the following six standards to the FCC for adoption in FCC rules for wideband data I/O: TIA-902.BAAB-A (Wideband Air Interface, SAM Physical Layer); TIA-902.BAAC (Wideband Air Interface, Media Access and Radio Linked Layer); TIA-902.BAAD-A (Wideband Air Interface, SAM Channel Coding); TIA-902.BAAE (Wideband Air Interface, Logical Link Control); TIA-902.BAAF (Wideband Data, Mobility Management), and TIA-902.BAEB (Wideband Air Interface, Packet Data).

As to the seventh document, TIA-902.AAAB (Text Messaging Specification), Mr. Oblak noted that TIA was unable to develop a standard text messaging document because nothing was available in the public domain. He also noted that text messaging was but one of several possible wideband data applications and was not essential to the functioning of the overall SAM standard. TIA believes the document is not critical to I/O specifications of the wideband data modem and is not recommending it for inclusion at this time. He also said TIA was not recommending four other TIA documents -- relating to wideband data system and standard definition, wideband air interface overview, transceiver methods of measurement, and transceiver performance recommendation -- because they only are supporting standards.

Mr. Oblak also said there have been revisions of the existing narrowband documents. He said that TIA-102.BAA-A (Common Air Interface), TIA-102.BAEA-A (Data Overview), TIA-102.BAEB-A (Packet Data Specification), and TIA-102.BAEE-A (Radio Management Protocol) are in ballot for revision in order to comply with FCC rules already established for the 700 MHz Public Safety band, and they are expected to be published in August 2003. He further indicated that TIA-102.AAAD (Block Encryption Protocol) has been published and includes the requirement for AES encryption. Consequently, Mr. Oblak said it was TIA's recommendation to the NCC that the NCC recommend an updating of the FCC rules to include the latest revisions of these documents.

At the end of his presentation, and in response to a question from Mr. Wilhelm, Mr. Oblak said the narrowband revisions entail substantive, as opposed to editorial, changes. Mr. Wilhelm suggested these revisions be put out for comment along with the other NCC recommendations that the FCC might adopt. Mr. Hofmeister wanted Mr. Oblak to comment on the status of the intellectual property rights (IPR) and licensing regarding the wideband data standards. Mr. Oblak said Motorola presently holds all of the IPR, and read a letter (dated July 10, 2003), addressed to Ms. Wallman, from Motorola's Chuck Jackson, concerning "Motorola's License Terms for 700 MHz Public Safety Wideband Interoperability Channels." The letter

stated that Motorola: (a) will license its Scalable Adaptive Modulation IPR (SAM IPR) essential to meet the TIA-902 standard for use on the 700 MHz Public Safety wideband I/O channels on a royalty-free basis, and (b) also will license its SAM IPR essential to meet the TIA-902 standard for use on the 700 MHz Public Safety wideband general use channels on fair and reasonable terms per the TIA process.

Mr. Nash, continuing the Subcommittee report, noted corrections to the TIA letter, per John Oblak's just-completed presentation, involving updating references to TIA-902.BAAB-A and TIA-902.BAAD-A. He said it is the Subcommittee's recommendation that the NCC forward the six TIA wideband documents of inclusion in FCC rules for operations on the I/O channels. He noted that the NCC has defined that operation as being in the 50 kHz channel mode but that the documents are scalable up to the full 150 kHz mode of operation permitted under FCC rules, thereby adaptable to wider bandwidths as the public safety community might find other applications requiring the greater bandwidth.

Ms. Wallman asked if there were any further discussion by anyone concerning the Subcommittee's recommendation. There was none.

Mr. Nash noted that, as pointed out by Mr. Oblak, there are revisions to four TIA 102 series documents (*i.e.*, those to the narrowband I/O specifications) currently referenced in Section 90.548 of the FCC's rules and, thus, the Subcommittee recommends that those be updated to refer to the latest versions of those documents.

Ms. Wallman asked if there were any discussion and, hearing no objections or proposed revisions, she took that as an expression of consensus for including this group of recommendations the NCC forwards to the FCC.

Finally, Mr. Nash mentioned the update to the encryption reference in Section 90.553 of the FCC's rules to refer to the 102.AAAD document, specifically Annex C thereto, specifying use of AES encryption if encryption is used on the I/O channels. Mr. Nash said the Subcommittee recommends updating the rule.

Mr. Wilhelm noted that, insofar as a recommendation that the NCC make to the FCC on use of AES, the AES updated document may be regarded an editorial change.

John Powell complimented the TIA process regarding the 902 series standards. He said there was a rapid movement with a real interest in having these standards developed quickly – yet with thorough discussion and thorough input by the manufacturing community. He believed a debt of gratitude was owed to TIA for what it accomplished in what he deemed a short period of time. Ms. Wallman concurred and said TIA responded very well to the needs of the NCC, the public safety community, and the FCC.

Implementation Subcommittee Report. Tom Tolman, on behalf of Ted Dempsey, Subcommittee Chair, reported that the Wednesday Subcommittee meeting focused on supplemental information for the Regional Planning Committee (RPC) Guide Book. He said that the RPC Guide Book already has been delivered to the 55 regions, and the plan is that any iterations, changes, or appendices for the next few years would be made by the National Public Safety Telecommunications Council (NPSTC) via an electronic version. At Ms. Wallman's request, Mr. Tolman handed out copies of the following documents: Appendix AA (sample notification by RPC to secondary TV stations); Appendix AB (new sample cover letter to adjacent regional chairs) regarding frequency allocation concurrence; Appendix AC (new list of 700 MHz narrowband low power frequencies subject to RPC administration); Appendix V (frequently asked questions); Appendix W (interregional coordination procedures, including those for resolving disputes); Appendix Y (sample waiver language for waiver of consent when the adjacent region is not yet formed); Appendix Z (a sample adjacent region concurrence letter); and Guidelines (suggested methods concerning compliance with required I/O channels). Mr. Tolman explained that the Subcommittee has a connection with NPSTC in various ways, one being via the pre-coordination database that has been under development for over three years. He stated that the database system is on line, 20 RPC chairs have visited the University of Denver (location of the system) for training, with 22 regions trained as of next week. He also said that, within that program, funding is going through the NPSTC Support Office to assist RPCs. Finally, he reported that David Eierman indicated at yesterday's Subcommittee meeting that after seven years, only 50 percent of the DTV transition has taken place.

Marilyn Ward, representing NPSTC, mentioned that the database (*i.e.*, the CAPRAD database) is operational; she also mentioned the IP database. Ms. Wallman wanted an explanation of the IP database for the benefit of the NCC. Mr. Powell explained that while the Interoperability Subcommittee looked at the use of the low speed data channels, it became apparent that a way to address these units in the field was needed so they could be used. It indicated that this matter went forth to the NCC Steering Committee, and NPSTC “picked up the ball” and requested a domain name, “ps.gov”, which is being used within the Justice Department. As a result, Mr. Powell explained, the concept has expanded to meet other needs raised by outside entities beyond a simple address database; namely, the concept of authentication when units from other jurisdictions respond to an incident. Mr. Powell said funding from NIJ has been secured for a feasibility study and that testing is underway in various locations throughout the country.

Mr. Tolman ended his report by saying the Subcommittee agreed that its Working Group 5 (the Funding Working Group) continue and that it transition into, and become a part of, a working group within NPSTC. He added that NPSTC agreed, and that such related matters can be found on the NPSTC Website.

Marilyn Ward, reiterating what Mr. Tolman just mentioned, elaborated on what NPSTC is doing and intends to do to facilitate the transition of NCC work. Ms. Ward said it would be appreciated if the NCC were to recommend such follow-up. Mr. Tolman added that, with FCC permission, there is a sign-up sheet for anyone interested in pursuing ongoing discussions in this vein with NPSTC.

Ms. Wallman wanted to ascertain if there was NCC consensus to have NPSTC be the successor forum to the NCC so that discussions within the NCC over the past several years could continue. Harlin McEwen noted that NPSTC was derived from a previous FCC advisory committee, PSWAC, and was directed to continue discussions between public safety, industry, and all other interested parties about issues raised in the PSWAC proceeding. Consequently, Mr. McEwen endorsed the concept of having NPSTC be the NCC successor in order to encourage ongoing involvement in the process relating to changing technology and future developments in the realm of public safety.

Ms. Wallman asked if there was any other discussion about the matter. There being none, she took it as an expression of consensus that the NCC include the matter in its final recommendations to the FCC.

Next, Ms. Wallman inquired whether the sample documents Mr. Tolman handed out were substantive in nature. Mr. Tolman responded that they were. Steve Devine, representing the interests of ten RPCs in the Midwest, said that he endorsed the language defining major vs. minor plan modifications. John Powell, speaking on behalf of the Northern California Planning Region, echoed Mr. Devine, saying flexibility is needed with plan modifications, and he believed the NCC should urge the FCC to grant flexibility in that regard.

There being no other comments, Ms. Wallman said the NCC would await the Subcommittee’s finalization of the documents.

David Eierman, Motorola, recognized Bette Reinhart, for her drafting, organizing, and maintaining the documents, and ensuring that they were published. Ms. Ward also expressed her appreciation for Ms. Reinhart’s work, and, at Ms. Wallman’s request, Ms. Reinhart was publicly acknowledged.

Public Discussion/Comments. Marilyn Ward announced that the next NPSTC meeting probably would be held on the Wednesday and Thursday immediately preceding the November 21st Radio Club of America meeting in New York. She said detailed information would be placed on the listserv when finalized.

Kurt Knight, State of Arizona Region 3, suggested that the Implementation Subcommittee’s proposed Appendix AA (sample notifications by RPC to secondary TV stations) be sent by the FCC to low power TV and TV translators rather than directly from the regions. Ms. Wallman requested that Jeanne Kowalski of the FCC comment on Mr. Knight’s suggestion. Ms. Kowalski indicated that her initial reaction is that, based on the organizational structure of RPCs, it is more valuable for the notification to be sent by the

Region to the local station, because she believed the “personal touch” was better. She added, however, that FCC rules are clear that low power TV stations are secondary.

John Powell said that, while FCC licenses for low power stations contain a footnote that such stations are secondary to full power TV stations, there is no such note that low power stations are secondary to land mobile 700 MHz stations. He believed it would be appropriate for the latter situation to be rectified because the FCC’s Media and Wireless Telecommunications Bureaus apparently give different answers concerning who is secondary to whom. Ms. Wallman indicated Mr. Powell’s point was interesting and requested Mr. Wilhelm to explore what process could correct the situation.

Ms. Wallman thanked the members of the NCC for all that has been done and said they should be proud of what they have contributed. She also thanked FCC employees Michel Wilhelm, D’Wana Terry, Jeanne Kowalski, Jeannie Benfaida, Joy Alford, Bert Weintraub, and Dan Oliver and his A/V staff.

Mr. Wilhelm said the NCC received outstanding support on its listservers from volunteer efforts of Steering Committee member Tim Loewenstein and added that Mr. Loewenstein has offered to continue the NCC listerver to permit continued dialogue. Mr. Wilhelm also said the FCC, the NCC, and he have benefited from Ms. Wallman’s outstanding leadership; he urged the NCC members to recognize her effort and skill in making the NCC successful.

Close of Meeting. Ms. Wallman again mentioned the September 10th Commission meeting. She thanked everyone, and the meeting ended at approximately 10:45 a.m.

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Attorney Advisor
Policy Division
Consumer & Governmental Affairs Bureau
Federal Communications Commission

Certified as to accuracy:

Kathleen Wallman

Date: _____

NCC ATTENDANCE ROSTER FOR July 17, 2003

<i>Last Name</i>	<i>First Name</i>	<i>Meeting Date</i>
Buchanan	David	July 17, 2003
Devine	Stephen	July 17, 2003
Eierman	David	July 17, 2003
Griffin	Fred	July 17, 2003
Gurss	Robert	July 17, 2003
Hadley	Robert	July 17, 2003
Hanna	Joe	July 17, 2003
Haraseth	Ron	July 17, 2003
Hofmeister Dr.	Ernest	July 17, 2003
Ittner	Al	July 17, 2003
Jackson	Charles	July 17, 2003
Jouannelle	Guy	July 17, 2003
Kearns	Kevin	July 17, 2003
Knight	Curt	July 17, 2003
Leland	Wayne	July 17, 2003
Loewenstein	Timothy	July 17, 2003
Madden	Roger	July 17, 2003
Mao	Jeng	July 17, 2003

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<i>Last Name</i>	<i>First Name</i>	<i>Meeting Date</i>
Martinez	Maribel	July 17, 2003
McEwen	Harlin	July 17, 2003
McGahey	Gene	July 17, 2003
Nash	Glen	July 17, 2003
Oblak	John	July 17, 2003
O'Hara	Sean T.	July 17, 2003
Pickeral, J.D.	David	July 17, 2003
Powell	John	July 17, 2003
Rinehart	Bette	July 17, 2003
Roy	Adam	July 17, 2003
Smith	Douglas	July 17, 2003
Sorley	Tom	July 17, 2003
Speidel Esq.	Robert	July 17, 2003
Tolman	Tom	July 17, 2003
Vogel	Emil	July 17, 2003

Total for Attendance Roster: 34