NFPA
Technical Committee on Electronic Safety Equipment

Pre-First Draft Meeting
New Document on Land Mobile Radios
Fort Lauderdale, Florida
March 19-21, 2013

Principal Members in Attendance:

Robert Athanas (Chair)     FDNY/SAFE-IR Inc.
Christina Spoons (Secretary)    Westmont FD
Kamil Agi       KSA Wireless
Jason Allen       Intertek Testing Services
Joel Berger       Kenwood USA
Matt Bowyer       NIOSH
Matthew Busa       Motorola, Inc.
John Facella       RCC Consultants
Michael Feely       Boston FD
Wayne Haase       Summit Safety, Inc.
Bill Haskell       NIOSH NPPTL
Jeffrey Hull       DC Fire & EMS
Steve Makky, Sr.       APCO
Michael McKenna       Michael McKenna & Associates
John Morris       ISG Infrasys
Anthony Putorti       NIST
Kevin Roche       Phoenix FD
Steven Townsend       City of Carrollton Fire Rescue
Bruce Varner       BH Varner & Associates
Jose L. Velo       San Francisco FD
Steven Weinstein       ISEA
Timothy Wolf       Scottsdale FD

Alternate Members in Attendance:

Craig Gestler       MSA, Inc
James Greene       Boston FD
Mark Krizik       Motorola, Inc.
Kate Remley       NIST
Gregory Vrablik       ISEA
Mike Worrell       Phoenix FD
Guests in Attendance:

Shane Bray          MSA
Ed Cortes           ICOM America
Sandy Florence      Motorola
Casey Grant         FP Research Foundation
Scott Glazer       Thales Communications
Michael Gomez      FDNY
Simon Hogg         Draeger Safety
Charlie Kline       Motorola Solutions
Ken Link (via conference call)
Kevin Lombardo      RCC Consultants
Jim Marquedant      FM Approvals
John Oblak            EF Johnson Technology
John Rehayem        Otto Engineering
Bob Sell         Draeger Safety
Matthew Shannon      Scott Safety
Rex Strickland      Fairfax County Fire & Rescue
Randy Suchy        UL
Gerry W. Tarver      Tulsa FD
Stephen Verbil      NFPA 1221 TC Chair
J. Watts                      Kenwood USA
Rebecca Wynn        Harris Corp.
William Young                                                               NIST

Tuesday, March 19, 2013

Meeting began at 9:17 a.m.

Introduction and welcome by Chairman Athanas

An update was provided on the following documents:

NFPA 1982, PASS
NFPA 1801, TIC
New standard - portable radios

The Chair noted an Increase in committee membership, introduction of new members and alternates, introduction of guests.

David Trebisacci provided the staff liaison report, which included a review of NFPA technical committee rules, technical committee structure, projects assigned to this committee, the scope of the new LMR document, and information on the NFPA standards development process.
Chairman Athanas solicited participation and information from all members, alternates, and guests.

Approval of the minutes of September 21, 2012, Atlanta, Georgia - Craig Parkulo and Beverly Gulledge from Scott are to be added to the attendee list for this meeting. A motion was made by Mr. Haskell and Mr. Varner seconded to accept the amended minutes. The motion passed.

Chairman Athanas presented a high eagle fire chief’s helmet to Bruce Varner in recognition of his service as the committee’s first chairman from 2002-2012.

Bill Haskell reported on IAB meeting regarding respiratory hazards during overhaul.

The following presentations were provided:

- Land Mobile Radios (LMR) 101 - Kamil Agi (K&A Wireless), Matthew Busa (Motorola), and Mark Krizik (Motorola)
- Handheld Portable Radios – Matthew Busa
- Future Communication Capability – Kamil Agi
- Radio Regulation – APCO Update - Steve Makky, Sr.
- NIOSH Fire Fighter Fatality Investigation and Prevention Program – Portable Radio Concerns – Matt Bowyer
- Summary of San Francisco Firefighter Fatality Incident – June 2, 2011 Jose L. Velo
- Test Methods for Consideration Into Radio Standard - Jason Allen (Intertek)

Update from David Trebisacci and Bill Haskell on the Correlating Committee (CC) test method validation task group – test procedures need to be properly vetted, repeatable, and the testing labs need to be in the loop to assure that the tests can be performed.

Mike Gomez from the Fire Department City of New York spoke about the submersibility of radios associated with Hurricane Sandy.

Mike Worrell from the Phoenix Fire Department discussed communications during Hurricane Katrina.

Gary Tarver from the Tulsa Fire Department explained the unique hazards and situations faced by firefighters.
Bruce Varner provided information on a presentation that he gave recently to the International Wireless Communications Expo in Las Vegas. He also mentioned a booklet available from NFPA on the standards development process (available at http://www.nfpa.org/categoryList.asp?categoryID=2517&URL=Codes%20%26%20Standards/Standards%20development/How%20codes%20and%20standards%20are%20developed/Standards%20development). Mr. Varner also played the radio traffic audio of a fire that claimed the lives of two firefighters in New York City and a close call fire in Houston.

Mr. Gomez played the radio traffic audio of a high-rise fire in New York City that claimed the lives of two firefighters and the audio of a fire where two firefighters died after being forced to jump from an upper floor window at a structure fire in New York City.

Mike McKenna spoke about references to radio communications in NFPA 1500. That standard requires fire departments to utilize communications systems that comply with NFPA 1221.

Steve Verbil, the Chairman of the Technical Committee on Public Emergency Communications, spoke about one of the standards administered by the committee, NFPA 1221, Standard for the Installation, Maintenance, and Use of Emergency Services Communications Systems.

Scott Glazer reported on commonality in features across manufacturers.

Mike Worrell provided an update on FirstNet, including some new devices that are on the market.

Kate Remley (NIST) provided a presentation on handheld firefighter radio testing

Tony Putorti (NIST) provided a presentation on fire fighter electronic equipment thermal exposures

Bill Young (NIST) provided a presentation on the RF PASS system test results and an update on test methods for standards

Tentative date for the next meeting was set for August 6-8, 2013, possibly in Saint Louis or Denver.

The following meeting date and location was tentatively set for December 10-12, 2013, possibly on the West Coast.

Jim Marquedant (FM Approvals) provided a presentation on the requirements for electronic safety equipment used in a hazardous location

Casey Grant (FPRF) provided a presentation on the evaluation of intrinsic safety for emergency responder electronic safety equipment.
Chairman Athanas appointed the following task groups:

- **Intrinsic Safety**
  
  Steve Townsend - Chair  
  Sandy Florence  
  Tim Rehak  
  FM representative  
  UL Representative  
  Intertek Representative  
  Wayne Haase (possible)  
  Steve Weinstein  

- **Physical Properties (knobs buttons displays, antenna, case, speaker mic)**
  
  Mike McKenna - Chair  
  Jose Velo  
  John Rehayem  
  Matt Boyer  
  Steve Weinstein  
  Matt Busa  
  Ed Cortes  
  John Oblak  
  Rex Strickland  

- **Environmental Testing**
  
  Mike Feely - Chair  
  Craig Gestler and John Morris – co-Chairs  
  Rick Honeywell  
  Matt Shannon or Craig Parkulo  
  UL representative  
  Intertek representative  
  FM representative  
  Kate Remley  
  Tony Putorti  
  Jim Rose  
  Charlie Kline  
  Jeffrey Hull
• Feature Set (Programmable features of radios that may include which buttons and switches perform dedicated functions such as on-off switch, emergency button, audio output etc.)

  Mike Worrell - Chair
  Mike Gomez
  John Oblak
  Gerry Tarver
  Rebecca Wynn
  Tim Wolfe
  Matt Busa
  James Greene

• Investigating New Device Compatibility

  Steve Makky, Sr. - Chair
  Bruce Varner
  John Facella
  Steve Townsend

Note: All presentations will be posted to a publically available document development page (www.nfpa.org/1802) pending permissions granted to NFPA by the presenters and their organizations. Presenters are asked to submit their presentations with their permission.

A motion to adjourn was made by Mr. Weinstein, Mr. Townsend second. Motion approved.

Respectfully submitted,

Kevin Roche, Acting Secretary