OSHPD Office of Statewide Health Planning and Development

Hospital Building Safety Board
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HOSPITAL BUILDING SAFETY BOARD
Technology Committee

Wednesday, August 14, 2019
10:00 a.m. – 4:00 p.m.

Office of Statewide Health Planning and Development
2020 West El Camino Avenue, Ste. 930
Sacramento, CA 95833
and
Office of Statewide Health Planning and Development
355 South Grand Avenue, Suite 1901
Los Angeles, CA 90071

Committee Members Present:	**OSHPD Staff:**
Michael O'Connor, Chair	Paul Coleman, FDD Deputy Director
Deepak Dandekar	Chris Tokas, Deputy Division Chief
Bert Hurlbut	Hussain Bhatia
Joe LaBrie	Bill Gow
Roy Lopez	Dave Mason
Bruce Rainey	Ryan Nelson
	Diana Scaturro
Consulting Members:	Carl Scheuerman
Benjamin Broder	Richard Tannahill
Eric Johnson	Nanci Timmins

HBSB Staff:
Ken Yu, Executive Director
Joanne Jolls
Evett Torres

1   **1. Welcome and Introductions**

2   Michael O'Connor, Chair, called the meeting to order. The Committee members and OSHPD
3   staff introduced themselves from the Sacramento and Los Angeles locations. A quorum was
4   present.

5   **2. Presentation: Electronic Health Records (EHR)**

1. • Clinical dependency on EHR
2. • Vulnerability and resiliency of EHR systems
3. • Strategy for continued operation after a catastrophic event

4. **Presenter:** Benjamin Broder, Kaiser Permanente

5. **Discussion and public input**

6. Mr. Broder gave a short introduction about himself before he started the presentation.

7. Mr. LaBrie questioned how much time it took to recover data over a landline when systems went
8. down. Mr. Broder explained that he had never experienced having to recover data over a
9. landline and that most people know how to do documentation on paper but some of the older
10. methods may be foreign to younger individuals. They discussed vulnerabilities when a system
11. goes offline and how smaller hospitals will have a harder time coming back online than larger
12. ones.

13. Mr. Coleman wondered if there needed to be a requirement for built spaces in a hospital that
14. pertain to just paper records. Mr. Broder answered that perhaps there should be a small space
15. that is used for paper forms only. Mr. Broder noted that he was not sure what the requirements
16. are when it pertains to network safety and the requirements need to be tailored to fit the size of
17. the hospital.

18. Mr. Johnson was concerned about hospitals relying on fax machines since the equipment is out
19. of date.

20. In terms of an electronic terminal where patients can view their medical records, an interested
21. party pointed out that a system will need to be developed because in some cases patient
22. records are tied to employees' identities.

23. Mr. Dandekar wanted to know what will happen if a patient is moved from one hospital to
24. another and how their records would follow them if there was an electronic system failure. Mr.
25. Broder stated that hospitals already deal with that issue daily, but if the system went down, the
26. information will not be transferable, and the hospital will follow its John Doe protocols.

27. Ms. Scaturro clarified that the focus for the building standards is to see if there needs to be any
28. codes that reflect operations in terms of a system failure. Mr. Broder answered Ms. Scaturro's
29. questions stating that the data is all EHR data, that a hospital should have specified hard drives
30. that hold the backup information at the hospital itself and use multiple network connections from
31. different sources. Ms. Scaturro stated that OSHPD needs to think about the devices that
32. connect to emergency power and have mechanisms in place so those devices can talk to each
33. other during an emergency. Ms. Timmins announced that NFPA-99, Chapter 7 addresses
34. network failures.

35. Mr. O'Connor requested more explanation on what downtime rehearsal entails. Mr. Broder
36. answered that it depended on the specific hospital on how they practiced for system failures and
37. he did not have a magic number on how many times a hospital should practice.

1 **Informational and Action Item**

2 - Explore a code requiring that a small space be designated for paper storage
3 - Explore requiring a designated space where patients can review their medical records
4   electronically in the hospital but with restrictions on what the patient can see
5 - Explore a code requiring that emergency power be located at nurse's stations for the
6   computer, printer, and faxes
7 - Have a discussion on how devices that are connected to emergency power talk to each
8   other during an emergency
9 - Review NFPA-99, Chapter 7 - all Committee Members

10 **3. Discussion: Information Technology Network Resiliency and Redundancy**

11 - Building Management Systems
12 - EHR
13 - Diagnostic Imaging Software

14 **Presenter:** Diana Scaturro, Bill Gow, Dave Mason, OSHPD

15 **Discussion and public input**

16 Mr. Gow announced that the Committee and staff need to discuss Power over Ethernet (PoE)
17 cables and using those for emergency exit lighting. If a switch is used, that switch would have
18 to be powered by the Life Safety Branch power source.

19 Ms. Scatturo articulated that staff is not only concerned about health records but the entire
20 building system in terms of an emergency and how those systems can remain online. Mr. Gow
21 noted there needs to be segregation between the non-essential functions and the essential
22 ones.

23 Mr. Rainey added that all the modes of failure need to be reviewed and that each component of
24 failure is unique in how it needs to be addressed to come back online.

25 Ms. Scatturo announced that a presentation is going to happen at the next Energy Committee
26 meeting regarding Princeton Hospital and their microgrid system.

27 Clarification was requested regarding "information technology rooms not attached to a patient
28 care area." Mr. Mason explained that that references a technology room attached to an imaging
29 room.

30 Mr. Coleman voiced that next cycle OSHPD is planning to review NCP-5.

31 Mr. LaBrie questioned how fire suppressants are applied in equipment rooms. Mr. Mason
32 stated that typically they are dry fire suppressant systems.

33 Mr. O'Connor requested that labeling be consistent throughout the whole code.

1 Mr. Johnson announced that in terms of 1-hour fire rating for the technology equipment room,
2 when emergency responder radio systems are brought in, those require a 2-hour fire rating and
3 that the language needs to be clarified.

4 **Informational Item and Action Item**

5 • Explore a PIN (Policy Intent Notice) discussing PoE's when they are used for emergency
6   lighting
7 • Adopt the name used in the Building Code when referencing the information technology
8   equipment room (slide 13)
9 • Clarify "information technology room not attached to a patient care area" (slide 14)
10 • Make sure that all labeling be consistent throughout the whole code
11 • Address, in a performance way, emergency responder systems, how they are treated in
12   terms of fire ratings, and where they can be located

13 **4. Presentation: OSHPD Electronic Plan Review Update**

14 **Presenter:** Richard Tannahill, OSHPD

15 **Discussion and public input**

16 Mr. Tannahill noted that there is a separate committee that is looking at the collaboration of
17 Phase Reviews.

18 An interested party inquired if the plan reviewer can see all the previously approved sets when
19 doing an ACD (Amended Construction Documents). Mr. Tannahill announced that it will not
20 arrogate back to the original version.

21 Mr. Johnson advised that documentation be obtained for a period after a project is completed
22 and make that documentation easily accessible.

23 **Informational Item and Action Item**

24 • None

25 **5. Discuss and Decide: Future agenda items**

26 **Presenter:** Michael O'Connor, Committee Chair

27 **Discussion and public input**

28 Ms. Timmins voiced that staff will be receiving training on guided vehicles and that a memo is
29 being converted into a PIN.

30 Ms. Scatturo informed the committee that CDPH (California Department of Public Health) is
31 reviewing different classifications in terms of imagining and that topic is going to be brought
32 back to the Committee for review.

33 Mr. Johnson announced that there is a BICSI conference at the end of September/October and
34 it will discuss PoE. He requested that Committee members provide examples of technology,
35 best practices, and what vendors are producing.

1   Ms. Timmins advised that the Committee receive a brief summary and review on Chapter 7 of
2   NFPA.

3   An interested party wanted further discussion regarding the application of the requirements for
4   telecommunication distribution in areas that are being renovated and not new construction.

5   **Informational Item and Action Item**

6   • Have a discussion on the change of function through equipment replacement
7   • Provide examples of PoE's – all Committee Members
8   • Review NFPA Chapter 7
9   • Discuss telecommunications requirements in renovations or expansions
10 • Next meeting was October 23, 2019

11 **6. Comments from the Public/Board Members on Issues Not on This Agenda**

12 An interested party advised the Committee to think about infection control in terms of iPads and
13 other technological devices.

14 Another interested party wanted to know how the testing, inspection, and observation forms are
15 managed. Mr. Coleman articulated that OSHPD is working on an electronic version.

16 **7. Adjournment**

17 Michael O'Connor, Chair, adjourned the meeting at approximately 12:29 p.m.