

جمهوری اسلامی ایران
سازمان مدیریت و برنامه‌ریزی کشور



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ICCU
Inter.CCU

معاونت امور فنی

دفتر امور فنی ، تدوین معیارها و کاهش خطر پذیری ناشی از زلزله

<http://tec.mporg.ir>

نشریه شماره ۸-۲۸۷

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طراحی بناهای درمانی (۸)

(جلد سوم)

راهنمای طراحی تاسیسات برقی

بخش مراقبت ویژه قلب ICCU

بخش مراقبت متوسط قلب Inter.CCU

نشریه شماره ۸-۲۸۷

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ریاست جمهوری

سازمان مدیریت و برنامه‌ریزی کشور
رئیس سازمان

بسمه تعالی

شماره:	۱۰۰/۹۳۵۸
تاریخ:	۱۳۸۲/۱/۲۹

بخشنامه به دستگاه‌های اجرایی، مهندسان مشاور و پیمانکاران

موضوع: طراحی بناهای درمانی **۸**

به استناد آیین‌نامه استانداردهای اجرایی طرح‌های عمرانی، موضوع ماده (۲۳) قانون برنامه و بودجه و در چارچوب نظام فنی و اجرایی کشور (مصوبه شماره ۴۲۳۳۹/ت/۳۳۴۹۷ هـ مورخ ۱۳۸۵/۴/۲۰ هیأت محترم وزیران)، به پیوست نشریه شماره ۸-۲۸۷ دفتر امور فنی، تدوین معیارها و کاهش خطرپذیری ناشی از زلزله این سازمان، با عنوان «طراحی بناهای درمانی **۸**» از نوع گروه سوم، در مجموعه سه جلدی با عناوین زیر ابلاغ می‌شود:

جلد یکم: راهنمای برنامه‌ریزی و طراحی معماری، بخش مراقبت ویژه قلب و بخش مراقبت متوسط قلب

جلد دوم: راهنمای طراحی تأسیسات مکانیکی، بخش مراقبت ویژه قلب و بخش مراقبت متوسط قلب

جلد سوم: راهنمای طراحی تأسیسات برقی، بخش مراقبت ویژه قلب و بخش مراقبت متوسط قلب

دستگاه‌های اجرایی، مهندسان مشاور، پیمانکاران و عوامل دیگر می‌توانند از این نشریه به عنوان راهنما استفاده کنند. در صورتی که روش‌ها، دستورالعمل‌ها و راهنماهای بهتری در اختیار داشته باشند، رعایت مفاد این نشریه الزامی نیست.

عوامل یاد شده باید نسخه‌ای از دستورالعمل‌ها، روش‌ها یا راهنماهای جایگزین را برای دفتر امور فنی، تدوین معیارها و کاهش خطرپذیری ناشی از زلزله، ارسال دارند.

امیرمنصور برقی

معاون رئیس جمهور و رئیس سازمان

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اصلاح مدارک فنی

خواننده گرامی:

امور نظام فنی سازمان مدیریت و برنامه ریزی کشور، با استفاده از نظر کارشناسان برجسته مبادرت به تهیه این ضابطه نموده و آن را برای استفاده به جامعه مهندسی کشور عرضه نموده است. با وجود تلاش فراوان، این اثر مصون از ایرادهایی نظیر غلط‌های مفهومی، فنی، ابهام، ابهام و اشکالات موضوعی نیست.

از این رو، از شما خواننده گرامی صمیمانه تقاضا دارد در صورت مشاهده هرگونه ایراد و اشکال فنی مراتب را به صورت زیر گزارش فرمایید:

- ۱- شماره بند و صفحه موضوع مورد نظر را مشخص کنید.
 - ۲- ایراد مورد نظر را به صورت خلاصه بیان دارید.
 - ۳- در صورت امکان متن اصلاح شده را برای جایگزینی ارسال نمایید.
 - ۴- نشانی خود را برای تماس احتمالی ذکر فرمایید.
- کارشناسان این امور نظرهای دریافتی را به دقت مطالعه نموده و اقدام مقتضی را معمول خواهند داشت. پیشاپیش از همکاری و دقت نظر جنابعالی قدردانی می‌شود.

نشانی برای مکاتبه: تهران، میدان بهارستان، خیابان صفی علی‌شاه، سازمان مدیریت و برنامه ریزی کشور، امور نظام فنی

مرکز تلفن ۳۳۲۷۱

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NFPA 704 : Fire Department Standard for the Uniform Fire Reporting System
 NFPA 72 : National Fire Alarm and Signaling Code
 NFPA 75 : Standard for the Installation of Fire Protection Systems for the Protection of Information Technology Equipment

NFPA 76 : Standard for the Installation of Fire Protection Systems for the Protection of Aircraft
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 NFPA 88 : Standard for the Installation of Fire Protection Systems for the Protection of Aircraft

NFPA10 : Standard for Portable fire Extinguishers

NFPA 11 : Standard for the Installation of Fire Protection Systems for the Protection of Aircraft
 NFPA 12 : Standard for the Installation of Fire Protection Systems for the Protection of Aircraft
 NFPA 13 : Standard for the Installation of Fire Protection Systems for the Protection of Aircraft

NFPA14: Standard for the Installation of Standpipe and Hose System

NFPA 15 : Standard for the Installation of Fire Protection Systems for the Protection of Aircraft
 NFPA 16 : Standard for the Installation of Fire Protection Systems for the Protection of Aircraft
 NFPA 17 : Standard for the Installation of Fire Protection Systems for the Protection of Aircraft

NFPA 13: Standard for the Installation of Sprinkler System

NFPA 18 : Standard for the Installation of Fire Protection Systems for the Protection of Aircraft
 NFPA 19 : Standard for the Installation of Fire Protection Systems for the Protection of Aircraft
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The diagram illustrates the comparison between a proposed interface and a conventional interface. It is divided into two main sections: 'Interface' and 'Conventional'.

Interface: This section shows a user (U) interacting with a system (S) through a central 'Interface' block. The user (U) is represented by a circle with a 'U' inside. The system (S) is represented by a circle with an 'S' inside. The 'Interface' block is a rectangle with 'Interface' written inside. Arrows indicate the flow of information between the user and the system through the interface.

Conventional: This section shows a user (U) interacting with a system (S) through a 'ψ' block, which is labeled as 'Addressable'. The user (U) is represented by a circle with a 'U' inside. The system (S) is represented by a circle with an 'S' inside. The 'ψ' block is a rectangle with 'ψ' written inside. Arrows indicate the flow of information between the user and the system through the 'ψ' block.

The diagram also includes a 't' block and a 'b' block, which are part of the system's internal structure. The 't' block is a rectangle with 't' written inside, and the 'b' block is a rectangle with 'b' written inside. Arrows indicate the flow of information between these blocks and the system (S).

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 BS5445 Components of Automatic Fire Detection Systems
 BS7807 Code of Practice for Design, Installation and Servicing
 of Integrated Systems Incorporating Fire Detection and Alarm Systems
 EN54 Fire Detection and Fire Alarm Systems.
 NFPA 72E Automatic Fire Detectors.
 HTM82 Fire Code, Alarm and Detection Systems.

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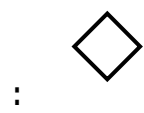
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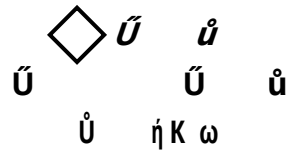
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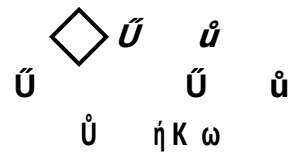

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- [11] NIH Design Policy and Guidelines – Electrical
 - [12] NIH Design Policy and Guidelines – A/E Checklist of Services
 - [13] NHS : Activity Data Base
 - [14] NHS : Fire Code-Health Technical Memorandum 82
 - [15] NHS : Fire Code-Health Technical Memorandum 81
 - [16] BS 5445 : Components of Automatic Fire Detection Systems
 - [17] BS 5839 : Fire Detection and Alarm System for Buildings
 - [18] BS 6259 : Planning and Installation of Sound System
 - [19] BS 7807 : CP Design , Installation & Servicing of Integrated Systems
 - [20] BS 5266 : Emergency Lighting
 - [21] BS CP 1013 : Earthing
 - [22] CIBSE : Lighting Guide-Hospitals and Health Care Buildings
 - [23] IES : Lighting Handbook
 - [24] DIN 5035-3 Lighting in Hospitals
 - [25] ASHREA /IES -90-1



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- [26] Electrical Installation Handbook "SIMENS"
- [27] NFPA 72E Automatic Fire Detectors
- [28] IEC 60364-7-710 : Medical Locations
- [29] IEC 598-2-1 : Luminaries. Part 2 : Particular Requirements. Section 1 : Fixed General Purpose Luminaries
- [30] IEC 598-1 : Luminaries . part 1 : General Requirements and Tests.

Islamic Republic of Iran
Management and Planning Organization (M.P.O)

**Health Buildings Design **
Guidelines for Design of Electrical Services of
Intensive Cardiac Care Unit
Intermediate Cardiac Care Unit

Office of Deputy for Technical Affairs
Technical, Criteria Codification and Earthquake Risk Reduction
Affairs Bureau

1385-2006



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