# IEC規格 --- 2019-4月 新刊情報 ---

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## 01 総論．用語．標準化．ドキュメンテーション

| 規格番号 | 原文標題 | 邦訳標題(参考訳) | 概要(英語) | 制定年月日 | 定価(本体価格) |
|---|---|---|---|---|---|
| IEC 60050-171 Ed. 1.0:2019 | International Electrotechnical Vocabulary (IEV) - Part 171: Digital technology - Fundamental concepts | 国際電気技術用語集(IEV)－第171部：デジタル技術－基本概念 | IEC 60050-171:2019 gives the general terminology used in digital technology, as well as general terms pertaining to specific applications and associated technologies. This first edition cancels and replaces Section 101-12 of IEC 60050-101:1998 and Sections 714-21 to 714-24 of IEC 60050-714:1992. It has the status of a horizontal standard in accordance with IEC Guide 108:2006. This terminology is consistent with the terminology developed in the other specialized parts of the IEV. | 20190329 | 41,472円（本体38,400円） |

## 11 医療技術

| 規格番号 | 原文標題 | 邦訳標題(参考訳) | 概要(英語) | 制定年月日 | 定価(本体価格) |
|---|---|---|---|---|---|
| IEC/TR 61948-4 Ed. 2.0:2019 | Nuclear medicine instrumentation - Routine tests - Part 4: Radionuclide calibrators | 核医学計装－定期試験－第4部：放射性核種校正器 | IEC TR 61948-4:2019 is available as IEC TR 61948-4:2019 RLV which contains the International Standard and its Redline version, showing all changes of the technical content compared to the previous edition.IEC TR 61948-4:2019 covers the routine testing of radionuclide calibrators used in nuclear medicine. Such devices utilise ionisation chambers of the well type and a direct readout in units of activity. Requirements and specific methods to determine performance parameters are described in IEC 61303. These methods are primarily designed for acceptance testing. IEC TR 61948-4:2019 cancels and replaces the first edition published in 2006. This edition constitutes a technical revision. This edition includes the following significant technical change with respect to the previous edition: the test method to determine system linearity has been updated to reflect the technical developments of radionuclide calibrators. | 20190322 | 5,184円（本体4,800円） |
| IEC/TR 61948-4 Ed. 2.0:2019 RLV (Redline version) | Nuclear medicine instrumentation - Routine tests - Part 4: Radionuclide calibrators | 核医学計装－定期試験－第4部：放射性核種校正器 | IEC TR 61948-4:2019 RLV contains both the official IEC International Standard and its Redline version. The Redline version is not an official document, it is available in English only and provides you with a quick and easy way to compare all the changes between the official IEC Standard and its previous edition.IEC TR 61948-4:2019 covers the routine testing of radionuclide calibrators used in nuclear medicine. Such devices utilise ionisation chambers of the well type and a direct readout in units of activity. Requirements and specific methods to determine performance parameters are described in IEC 61303. These methods are primarily designed for acceptance testing. IEC TR 61948-4:2019 cancels and replaces the first edition published in 2006. This edition constitutes a technical revision. This edition includes the following significant technical change with respect to the previous edition: the test method to determine system linearity has been updated to reflect the technical developments of radionuclide calibrators. | 20190322 | 6,739円（本体6,240円） |

## 13 環境．健康予防．安全

| 規格番号 | 原文標題 | 邦訳標題(参考訳) | 概要(英語) | 制定年月日 | 定価(本体価格) |
|---|---|---|---|---|---|
| IEC 60335-2-14 Ed. 6.1:2019 | Household and similar electrical appliances - Safety - Part 2-14: Particular requirements for kitchen machines | 家庭用及び類似用途の電気機器－安全性－第2-14部：調理器具の特定要求事項 | IEC 60335-2-14:2016+A1:2019 deals with the safety of electric kitchen machines for household and similar purposes, their rated voltage being not more than 250 V. See the scope of 60335-2-14 for a list of appliances that are within the scope of this standard. Appliances intended for normal household and similar use and that may also be used by laymen in shops, in light industry and on farms, are within the scope of this standard. However, if the appliance is intended to be used professionally to process food for commercial consumption, the appliance is not considered to be for household and similar use only. As far as is practicable, this standard deals with the common hazards presented by appliances which are encountered by all persons in and around the home. However, in general, it does not take into account persons (including children) whose physical, sensory or mental capabilities; or lack of experience and knowledge prevents them from using the appliance safely without supervision or instruction; children playing with the appliance. This standard does not apply to slicing machines having a circular knife the blade of which is inclined at an angle exceeding 45° to the vertical; food waste disposers; ice-cream appliances with incorporated motor compressors kitchen machines intended for commercial purposes; kitchen machines intended for industrial purposes; kitchen machines intended to be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapour or gas). This sixth edition cancels and replaces the fifth edition published in 2006 including its Amendment 1 (2008) and its Amendment 2 (2012). | 20190327 | 35,640円（本体33,000円） |
| IEC 60335-2-14 Amd.1 Ed. 6.0:2019 | Amendment 1 - Household and similar electrical appliances - Safety - Part 2-14: Particular requirements for kitchen machines | 修正票1－家庭用及び類似用途の電気機器－安全性－第2-14部：調理器具の特定要求事項 | | 20190327 | 1,296円（本体1,200円） |



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## 17 度量衡及び測定．物理的現象

| 規格番号 | 原文標題 | 邦訳標題(参考訳) | 概要(英語) | 制定年月日 | 定価(本体価格) |
|---|---|---|---|---|---|
| IEC 60704-2-14 Ed. 2.1:2019 | Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-14: Particular requirements for refrigerators, frozen-food storage cabinets and food freezers | 家庭用及び類似の電気器具－空中音響雑音を測定する試験コード－第2-14部：冷蔵庫，冷凍食品貯蔵庫及び冷凍庫の特定要求事項 | IEC 60704-2-14:2013+A1:2019 specifies the measuring conditions to provide for sufficient accuracy in determining the noise emitted and comparing the results of measurements taken by different laboratories, whilst simulating as far as possible the practical use of household refrigerators, frozen-food storage cabinets and food freezers. It is recommended to consider the determination of noise levels as part of a comprehensive testing procedure covering many aspects of the properties and performance of household refrigerators, frozen-food storage cabinets and food freezers. This edition includes the following significant technical changes with respect to the previous edition:a) the description of an appropriate test enclosure has been removed from this part of IEC 60704 and has been incorporated into Part 1 of IEC 60704-1;b) the values of standard deviations of sound power levels determined according to this part of IEC 60704 have been added.This consolidated version consists of the second edition (2013) and its amendment 1 (2019). Therefore, no need to order amendment in addition to this publication. | 20190329 | 13,608円（本体12,600円） |
| IEC 60704-2-14 Amd.1 Ed. 2.0:2019 | Amendment 1 - Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-14: Particular requirements for refrigerators, frozen-food storage cabinets and food freezers | 修正票1－家庭用及び類似の電気器具－空中音響雑音を測定する試験コード－第2-14部：冷蔵庫，冷凍食品貯蔵庫及び冷凍庫の特定要求事項 | | 20190329 | 1,296円（本体1,200円） |
| IEC/TR 62669 Ed. 2.0:2019 | Case studies supporting IEC 62232 - Determination of RF field strength, power density and SAR in the vicinity of radiocommunication base stations for the purpose of evaluating human exposure | IEC 62232を裏付けるケーススタディー人体暴露評価のための無線通信基地局の近接地におけるRF電界強度，電力密度及びSARの求め方 | IEC/TR 62669:2019(E) is a Technical Report. This document presents a series of case studies in which electromagnetic (EM) fields are evaluated in accordance with IEC 62232:2017. The case studies presented in this document involve intentionally radiating base stations (BS). The BS transmit on one or more antennas using one or more frequencies in the range 110 MHz to 100 GHz and RF exposure assessments take into account the contribution of ambient sources at least in the 100 kHz to 300 GHz frequency range.Each case study has been chosen to illustrate a typical BS evaluation scenario and employs the methods detailed in IEC 62232:2017. The case studies are provided for guidance only and are not a substitute for a thorough understanding of the requirements of IEC 62232:2017. Based on the lessons learned from each case study, recommendations about RF assessment topics to be considered in the next revision of IEC 62232 are proposed. The methodologies and approaches described in this document are useful for the assessment of early 5G products introduced for consumer trials or deployments.This document provides background and rationale for applying a compliance approach based on the actual maximum transmitted power or EIRP. Guidance for collecting and analysing information about the transmitted power of a base station and evaluating its actual maximum RF exposure based on modelling studies or measurement studies on operational sites (in networks, sub-networks or field trials) is also presented.This second edition cancels and replaces the first edition published in 2011. | 20190405 | 42,768円（本体39,600円） |

## 19 試験

| 規格番号 | 原文標題 | 邦訳標題(参考訳) | 概要(英語) | 制定年月日 | 定価(本体価格) |
|---|---|---|---|---|---|
| IEC 61010-2-011 Ed. 2.0:2019 | Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-011: Particular requirements for refrigerating equipment | 計測，制御及び試験所用電気機器の安全要求事項－第2-011部：冷凍機器の特定要求事項 | IEC 61010-2-011:2019 is available as IEC 61010-2-011:2019 RLV which contains the International Standard and its Redline version, showing all changes of the technical content compared to the previous edition.IEC 61010-2-011:2019 specifies particular safety requirements for the following types a) to c) of electrical equipment and their accessories, wherever they are intended to be used, whenever that equipment incorporates refrigerating systems as an integral part of, or separate from, the equipment and the equipment is in direct control of the refrigerating system. This document details all the requirements when up to 150 g of flammable refrigerant are used per stage of a refrigerating system. Additional requirements beyond the current scope of this document apply if a refrigerant charge of flammable refrigerant exceeds this amount.a) Electrical test and measurement equipment.This is equipment which by electromagnetic means tests, measures, indicates or records one or more electrical or physical quantities, also non-measuring equipment such as signal generators, measurement standards, power supplies for laboratory use, transducers, transmitters, etc.b) Electrical industrial process-control equipment.This is equipment which controls one or more output quantities to specific values, with each value determined by manual setting, by local or remote programming, or by one or more input variables.c) Electrical laboratory equipment.This is equipment which measures, indicates, monitors, inspects or analyses materials, or is used to prepare materials, and includes in vitro diagnostic (IVD) equipment. This second edition cancels and replaces the first edition published in 2016. This edition constitutes a technical revision. | 20190322 | 34,992円（本体32,400円） |

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| IEC 61010-2-011 Ed. 2.0:2019 RLV (Redline version) | Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-011: Particular requirements for refrigerating equipment | 計測, 制御及び試験所用電気機器の安全要求事項－第2-011部:冷凍機器の特定要求事項 | IEC 61010-2-011:2019 RLV contains both the official IEC International Standard and its Redline version. The Redline version is not an official document, it is available in English only and provides you with a quick and easy way to compare all the changes between the official IEC Standard and its previous edition.IEC 61010-2-011:2019 specifies particular safety requirements for the following types a) to c) of electrical equipment and their accessories, wherever they are intended to be used, whenever that equipment incorporates refrigerating systems as an integral part of, or separate from, the equipment and the equipment is in direct control of the refrigerating system. This document details all the requirements when up to 150 g of flammable refrigerant are used per stage of a refrigerating system. Additional requirements beyond the current scope of this document apply if a refrigerant charge of flammable refrigerant exceeds this amount.a) Electrical test and measurement equipment.This is equipment which by electromagnetic means tests, measures, indicates or records one or more electrical or physical quantities, also non-measuring equipment such as signal generators, measurement standards, power supplies for laboratory use, transducers, transmitters, etc.b) Electrical industrial process-control equipment.This is equipment which controls one or more output quantities to specific values, with each value determined by manual setting, by local or remote programming, or by one or more input variables.c) Electrical laboratory equipment.This is equipment which measures, indicates, monitors, inspects or analyses materials, or is used to prepare materials, and includes in vitro diagnostic (IVD) equipment. This second edition cancels and replaces the first edition published in 2016. This edition constitutes a technical revision. | 20190322 | 45,489円（本体42,120円） |
| IEC 61010-2-012 Ed. 2.0:2019 | Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-012: Particular requirements for climatic and environmental testing and other temperature conditioning equipment | 計測, 制御及び試験所用電気機器の安全要求事項－第2-012部:気候試験及び環境試験並びにその他の温度調節器器の特定要求事項 | IEC 61010-2-012:2019 is available as IEC 61010-2-012:2019 RLV which contains the International Standard and its Redline version, showing all changes of the technical content compared to the previous edition.IEC 61010-2-012:2019 specifies safety requirements for electrical equipment and its accessories within the categories a) through c), wherever it is intended to be used, whenever that equipment incorporates one or more of the following characteristics: A refrigerating system that is acted on or impacted by an integral heating function such that the combined heating and refrigerating system generates additional and/or more severe hazards than those for the two systems if treated separately. The materials being treated in the intended application introduce significant heat into the refrigerating system, so that the refrigerating system in the application yields additional and/or more severe hazards than those for the refrigerating system if operated at the maximum rated ambient temperature alone. An irradiation function for the materials being treated presenting additional hazards. A function to expose the materials being treated to excessive humidity, carbon dioxide, salt mist, or other substances which can result in additional hazards. A function of mechanical movement presenting additional hazards. Provision for an operator to walk in to the operating area to load or unload the materials being treated.It has the status of a group safety publication in accordance with IEC Guide 104.This second edition cancels and replaces the first edition published in 2016. This edition constitutes a technical revision. | 20190412 | 38,880円（本体36,000円） |
| IEC 61010-2-012 Ed. 2.0:2019 RLV (Redline version) | Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-012: Particular requirements for climatic and environmental testing and other temperature conditioning equipment | 計測, 制御及び試験所用電気機器の安全要求事項－第2-012部:気候試験及び環境試験並びにその他の温度調節器器の特定要求事項 | IEC 61010-2-012:2019 RLV contains both the official IEC International Standard and its Redline version. The Redline version is not an official document, it is available in English only and provides you with a quick and easy way to compare all the changes between the official IEC Standard and its previous edition.IEC 61010-2-012:2019 specifies safety requirements for electrical equipment and its accessories within the categories a) through c), wherever it is intended to be used, whenever that equipment incorporates one or more of the following characteristics: A refrigerating system that is acted on or impacted by an integral heating function such that the combined heating and refrigerating system generates additional and/or more severe hazards than those for the two systems if treated separately. The materials being treated in the intended application introduce significant heat into the refrigerating system, so that the refrigerating system in the application yields additional and/or more severe hazards than those for the refrigerating system if operated at the maximum rated ambient temperature alone. An irradiation function for the materials being treated presenting additional hazards. A function to expose the materials being treated to excessive humidity, carbon dioxide, salt mist, or other substances which can result in additional hazards. A function of mechanical movement presenting additional hazards. Provision for an operator to walk in to the operating area to load or unload the materials being treated.It has the status of a group safety publication in accordance with IEC Guide 104.This second edition cancels and replaces the first edition published in 2016. This edition constitutes a technical revision. | 20190412 | 50,544円（本体46,800円） |

## 27 エネルギー及び熱伝達工学

| 規格番号 | 原文標題 | 邦訳標題(参考訳) | 概要(英語) | 制定年月日 | 定価(本体価格) |
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| IEC 61400-3-1 Ed. 1.0:2019 | Wind energy generation systems - Part 3-1: Design requirements for fixed offshore wind turbines | 風力発電システム－第3-1部:固定式オフショア風車の設計要求事項 | IEC 61400-3-1:2019 outlines the minimum design requirements for fixed offshore wind turbines and is not intended for use as a complete design specification or instruction manual.Several different parties may be responsible for undertaking the various elements of the design, manufacture, assembly, installation, erection, commissioning, operation and maintenance of an offshore wind turbine and for ensuring that the requirements of this document are met. The division of responsibility between these parties is a contractual matter and is outside the scope of this document.This edition cancels and replaces the first edition of IEC 61400-3 published in 2009. This edition includes the following significant technical changes with respect to the first edition of IEC 61400-3: a) The design load table has been revised to simplify the approach to waves, both for several gust cases with the Normal Sea State, and for a number of cases with the Extreme Sea State. The guidance for load calculations has been altered accordingly;c) For load safety factors reference is now made directly to IEC 61400-1;d) Control system has been aligned with the latest updates in IEC 61400-1;e) Wave spectra has been replaced by a reference to ISO 19901-1;f) The annex on ice loading has been revised and updated.g) Two informative annexes concerning tropical cyclones have been introduced.h) Other parts of the text have been aligned with IEC 61400-1 | 20190405 | 42,768円（本体39,600円） |
| IEC/TS 61400-3-2 Ed. 1.0:2019 | Wind energy generation systems - Part 3-2: Design requirements for floating offshore wind turbines | 風力発電システム－第3-2部:浮遊式オフショア風車の設計要求事項 | IEC TS 61400-3-2:2019 specifies additional requirements for assessment of the external conditions at a floating offshore wind turbine (FOWT) site and specifies essential design requirements to ensure the engineering integrity of FOWTs. Its purpose is to provide an appropriate level of protection against damage from all hazards during the planned lifetime.This document focuses on the engineering integrity of the structural components of a FOWT but is also concerned with subsystems such as control and protection mechanisms, internal electrical systems and mechanical systems.A wind turbine is considered as a FOWT if the floating substructure is subject to hydrodynamic loading and supported by buoyancy and a station-keeping system. A FOWT encompasses five principal subsystems: the RNA, the tower, the floating substructure, the station-keeping system and the on-board machinery, equipment and systems that are not part of the RNA.The following types of floating substructures are explicitly considered within the context of this document:a) ship-shaped structures and barges,b) semi-submersibles (Semi),c) spar buoys (Spar),d) tension-leg platforms/buoys (TLP / TLB).In addition to the structural types listed above, this document generally covers other floating platforms intended to support wind turbines. These other structures can have a great range of variability in geometry and structural forms and, therefore, can be only partly covered by the requirements of this document. In other cases, specific requirements stated in this document can be found not to apply to all or part of a structure under design. In all the above cases, conformity with this document will require that the design is based upon its underpinning principles and achieves a level of safety equivalent, or superior, to the level implicit in it. | 20190405 | 34,992円（本体32,400円） |
| IEC/TS 62600-1 Ed. 1.1:2019 | Marine energy - Wave, tidal and other water current converters - Part 1: Terminology | 海洋エネルギー －波，潮差及びその他の海流コンバーター第1部:用語 | IEC TS 62600-1:2011+A1:2019 defines the terms relevant to ocean and marine renewable energy. For the purposes of this Technical Specification, sources of ocean and marine renewable energy are taken to include wave, tidal current, and other water current energy converters. This Technical Specification is intended to provide uniform terminology to facilitate communication between organizations and individuals in the marine renewable energy industry and those who interact with them. This consolidated version consists of the first edition (2011) and its amendment 1 (2019). Therefore, no need to order amendment in addition to this publication. | 20190327 | 29,160円（本体27,000円） |
| IEC/TS 62600-1 Amd.1 Ed. 1.0:2019 | Amendment 1 - Marine energy - Wave, tidal and other water current converters - Part 1: Terminology | 修正票1－海洋エネルギー －波，潮差及びその他の海流コンバーター第1部:用語 | | 20190327 | 1,296円（本体1,200円） |

## 29 電気工学

| 規格番号 | 原文標題 | 邦訳標題(参考訳) | 概要(英語) | 制定年月日 | 定価(本体価格) |
|---|---|---|---|---|---|
| IEC 60076-11 Ed. 2.0 b Cor.1:2019 | Corrigendum 1 - Power transformers - Part 11: Dry-type transformers | 正誤票1－電源変圧器－第11部:乾式変圧器 | | 20190328 | - |

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| IEC 60480 Ed. 3.0:2019 | Specifications for the re-use of sulphur hexafluoride (SF6) and its mixtures in electrical equipment | 電気機器内の硫化ヘキサフルオリド(SF6)及びその混合物の再利用のための仕様 | IEC 60480:2019 provides criteria for the re-use of sulphur hexafluoride (SF6) and its mixtures after recovery and reclaiming from electrical equipment (e.g. for maintenance, at the end-of-life).Sulphur hexafluoride (SF6), nitrogen (N2) and carbon tetrafluoride (CF4), are gases commonly used for electrical equipment. Taking into account environmental concerns, particular attention is paid to re-use criteria for SF6 and its mixtures with N2 and CF4 for its use in electrical equipment. Procedures for recovering and reclaiming used SF6 and its mixtures are outside the scope of this document and are described in IEC 62271-4.This document provides several annexes on the description of the different methods of analysis, on by-products, on the procedure for evaluating the potential health effects from by-products, on cryogenic reclaiming of SF6, and on reclaiming recommendations.Storage, transportation and disposal of SF6 and its mixtures are outside the scope of this document and are covered by IEC 62271-4. Procedures to determine SF6 leakages are described in IEC 60068-2-17.For the purposes of this document, the complementary gases used in SF6 mixtures will be limited to N2 or CF4.This third edition cancels and replaces the second edition, published in 2004. This edition constitutes a technical revision.This edition includes the following significant technical changes with respect to the previous edition: specifications for the re-use of SF6 have been confirmed; specifications for the re-use of SF6 mixtures, namely SF6/N2 and SF6/CF4 mixtures are included; as a result of a new repartition of annexes in IEC 60376, IEC 60480 and IEC 62271-4, this new edition now contains the following five annexes: Annex A: Description of methods of analysis (on-site and laboratory); Annex B: | 20190404 | 31,104円（本体28,800円） |
| IEC 60810 Ed. 5.1:2019 | Lamps, light sources and LED packages for road vehicles - Performance requirements | 路上走行車用ランプ，光源及びLEDパッケージ－性能要求事項 | IEC 60810:2017+A1:2019 is applicable to filament lamps, discharge lamps, LED light sources and LED packages to be used in road vehicles, i.e. in headlamps, fog-lamps, signalling lamps and interior lighting. It is especially applicable to those lamps and light sources which are listed in IEC 60809.This fifth edition cancels and replaces the fourth edition published in 2014 and Amendment 1:2017. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: update and clarification of the title and scope; introduction of new LED light sources; introduction of requirements for LED light sources; introduction of guidelines on LED package robustness validation for LED packages. This consolidated version consists of the fifth edition (2017) and its amendment 1 (2019). Therefore, no need to order amendment in addition to this publication. | 20190408 | 64,800円（本体60,000円） |
| IEC 60810 Amd.1 Ed. 5.0:2019 | Amendment 1 - Lamps, light sources and LED packages for road vehicles - Performance requirements | 修正票1－路上走行車用ランプ，光源及びLEDパッケージ－性能要求事項 | | 20190408 | 9,072円（本体8,400円） |
| IEC 60898-3 Ed. 1.0:2019 | Electrical accessories - Circuit-breakers for overcurrent protection for household and similar installations - Part 3: Circuit-breakers for DC operation | 電気附属品－家庭用及び類似設備の過電流保護遮断器－第3部：直流作動遮断器 | IEC 60898-3:2019(E) applies to DC circuit-breakers, having a rated DC voltage not exceeding 440 V, a rated current not exceeding 125 A and a rated short-circuit capacity not exceeding 10 000 A.These circuit-breakers are intended for the protection against overcurrents of wiring installations of buildings and similar applications; they are designed for use by uninstructed people and for not being maintained. | 20190405 | 42,768円（本体39,600円） |
| IEC 61167 Ed. 4.0 b Cor.1:2019 | Corrigendum 1 - Metal halide lamps - Performance specification | 正誤票1－金属製ハライドランプ－性能仕様書 | | 20190404 | - |
| IEC 61439-3 Ed. 1.0 b Cor.2:2019 | Corrigendum 2 - Low-voltage switchgear and controlgear assemblies - Part 3: Distribution boards intended to be operated by ordinary persons (DBO) | 正誤票2－低電圧開閉装置及び制御装置アセンブリ－第3部：一般人が使用する用に意図された分電盤 | | 20190320 | - |
| IEC 61892-SER Ed. 1.0:2019 | Mobile and fixed offshore units - Electrical installations - ALL PARTS | 可動式及び固定式海洋掘削装置－電気設備－すべての部 | | 20190409 | 184,032円（本体170,400円） |
| IEC 61952-1 Ed. 1.0:2019 | Insulators for overhead lines - Composite line post insulators for AC systems with a nominal voltage greater than 1 000 V - Part 1: definitions, end fittings and designations | 架空電線用がいし－公称電圧1000 V超の交流形容に対する複合ラインポストがいし－第1部：定義，端末接続金具及び記号表示 | IEC 61952-1:2019 is applicable to composite line post insulators for AC overhead lines with a nominal voltage greater than 1 000 V and a frequency not greater than 100 Hz. It also applies to line post insulators of similar design used in substations or on electric traction lines.This document applies to line post insulators of composite type, generally with metallic couplings, with and without a base plate. It also applies to such insulators when used in complex structures. It does not apply to hollow insulators adapted for use as line post insulators.The object of this document is to specify the main dimensions of the couplings to be used on the composite line post insulators in order to permit the assembly of insulators or fittings supplied by different manufacturers and to allow, whenever practical, interchangeability with existing installations. It also specifies a standard designation system for composite line post insulators. | 20190404 | 25,920円（本体24,000円） |

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| IEC 62271-109 Ed. 3.0:2019 | High-voltage switchgear and controlgear - Part 109: Alternating-current series capacitor by-pass switches | 高電圧開閉装置及び制御装置－第109部：交流直列コンデンサバイパススイッチ | IEC 62271-109:2019 is available as IEC 62271-109:2019 RLV which contains the International Standard and its Redline version, showing all changes of the technical content compared to the previous edition.IEC 62271-109:2019 is applicable to AC series capacitor by-pass switches designed for outdoor installation and for operation at frequencies of 50 Hz and 60 Hz on systems having voltages above 52 kV. It is only applicable to by-pass switches for use in three-phase systems. This document is also applicable to the operating devices of by-pass switches and to their auxiliary equipment. This third edition cancels and replaces the second edition published in 2008 and Amendment 1:2013. This edition constitutes a technical revision. This edition contains the following significant technical changes with respect to the previous edition:a) the document has been restructured according to edition 2.0 of IEC 62271-1;b) the rated voltage assignation across the by-pass switch has been aligned to the rule defined in IEC 60143-1;c) clarification has been given regarding rated continuous current of compensated and uncompensated line;d) some clarifications have been given following a loss of "suitable precautions";e) as per Amendment 2 of IEC 62271-100, the section "Rated time quantities" has been moved to Clause 6 under "Time quantities";f) as per Amendment 2 of IEC 62271-100, the section "Test for static mechanical loads" have been moved to Clause 6 under "Static mechanical loads";g) additional rules have been introduced for vacuum interrupters during impulse tests;h) additional clarifications have been given regarding the number of reduced impulses during impulse tests;i) a wider tolerance on the current damping during by-pass making current test-duty has been introduced. | 20190408 | 42,768円（本体39,600円） |
| IEC 62271-109 Ed. 3.0:2019 RLV (Redline version) | High-voltage switchgear and controlgear - Part 109: Alternating-current series capacitor by-pass switches | 高電圧開閉装置及び制御装置－第109部：交流直列コンデンサバイパススイッチ | IEC 62271-109:2019 RLV contains both the official IEC International Standard and its Redline version. The Redline version is not an official document, it is available in English only and provides you with a quick and easy way to compare all the changes between the official IEC Standard and its previous edition.IEC 62271-109:2019 is applicable to AC series capacitor by-pass switches designed for outdoor installation and for operation at frequencies of 50 Hz and 60 Hz on systems having voltages above 52 kV. It is only applicable to by-pass switches for use in three-phase systems. This document is also applicable to the operating devices of by-pass switches and to their auxiliary equipment. This third edition cancels and replaces the second edition published in 2008 and Amendment 1:2013. This edition constitutes a technical revision. This edition contains the following significant technical changes with respect to the previous edition:a) the document has been restructured according to edition 2.0 of IEC 62271-1;b) the rated voltage assignation across the by-pass switch has been aligned to the rule defined in IEC 60143-1;c) clarification has been given regarding rated continuous current of compensated and uncompensated line;d) some clarifications have been given following a loss of "suitable precautions";e) as per Amendment 2 of IEC 62271-100, the section "Rated time quantities" has been moved to Clause 6 under "Time quantities";f) as per Amendment 2 of IEC 62271-100, the section "Test for static mechanical loads" have been moved to Clause 6 under "Static mechanical loads";g) additional rules have been introduced for vacuum interrupters during impulse tests; | 20190408 | 55,598円（本体51,480円） |
| IEC/TS 62271-304 Ed. 2.0:2019 | High-voltage switchgear and controlgear - Part 304: Classification of indoor enclosed switchgear and controlgear for rated voltages above 1 kV up to and including 52 kV related to the use in special service conditions with respect to condensation and pollution | 高電圧開閉装置及び制御装置－第304部：結露及び汚染に関する特殊な使用条件で使用するための定格電圧1 kV超52 kV以下の屋内密閉形開閉装置及び制御装置の分類 | IEC TS 62271-304:2019 applies to indoor enclosed switchgear and controlgear complying with IEC 62271-200 and IEC 62271-201, intended to be used in special service conditions with respect to condensation and pollution deviating from the normal service conditions specified in IEC 62271-1.The test detailed in this document has been designed primarily to classify the electrical insulation performance of equipment having high-voltage electrical insulation exposed to indoor service conditions, mainly in presence of condensation. The assessment of mechanical components, such as mechanisms, interlocks and enclosure is also considered.This second edition cancels and replaces the first edition published in 2008. This edition constitutes a technical revision.This edition includes the following significant technical changes with respect to the previous edition:a) the description of the several service conditions under condensation and pollution;b) the classification of enclosed switchgear and controlgear, according to the testing procedure does not cover polluted service conditions PL and PH;c) a wider description in Annex B of typical indoor environments based on ISO/IEC standards;d) a new Annex C giving guidance on precautions to improve indoor operating conditions;e) a new Annex D dedicated to the optional items such as records of mechanical characteristics;f) a new Annex E, giving additional combinations of environments with condensation and pollution, as well as a proposal of testing procedure of ageing test, is provided to create experience on correlation between ageing effects in laboratory and ageing effects at site conditions. | 20190321 | 22,032円（本体20,400円） |

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| IEC 62281 Ed. 4.0:2019 | Safety of primary and secondary lithium cells and batteries during transport | 一次及び二次リチウム電池並びにバッテリの輸送中の安全性 | IEC 62281:2019 is available as IEC 62281:2019 RLV which contains the International Standard and its Redline version, showing all changes of the technical content compared to the previous edition.IEC 62281:2019 specifies test methods and requirements for primary and secondary (rechargeable) lithium cells and batteries to ensure their safety during transport other than for recycling or disposal. Requirements specified in this document do not apply in those cases where special provisions given in the relevant regulations, listed in 7.3, provide exemptions. NOTE Different standards may apply for lithium-ion traction battery systems used for electrically propelled road vehicles. This fourth edition cancels and replaces the third edition published in 2016. This edition constitutes a technical revision.This edition includes the following significant technical changes with respect to the previous edition:a) button cell definition revised, moved to coin (cell or battery);b) addition of provisions for batteries forming an integral part of equipment (5.4);c) all tests for secondary cells and batteries now also contain a requirement for 25 charge and recharge cycles prior to the test;d) addition of alternative tables for Table 1 and Table 2 in Annex B;e) addition of "forcible" to the rupture criteria;f) test report 6.8 merged with test certificate 6.9 and replaced with the items listed in [13];g) addition of an informative Annex B with important deviations from the UN Manual of Tests and Criteria, Chapter 38.3.Keywords: transport of primary lithium cells and batteries | 20190410 | 25,920円（本体24,000円） |
| IEC 62281 Ed. 4.0:2019 RLV (Redline version) | Safety of primary and secondary lithium cells and batteries during transport | 一次及び二次リチウム電池並びにバッテリの輸送中の安全性 | IEC 62281:2019 RLV contains both the official IEC International Standard and its Redline version. The Redline version is not an official document, it is available in English only and provides you with a quick and easy way to compare all the changes between the official IEC Standard and its previous edition.IEC 62281:2019 specifies test methods and requirements for primary and secondary (rechargeable) lithium cells and batteries to ensure their safety during transport other than for recycling or disposal. Requirements specified in this document do not apply in those cases where special provisions given in the relevant regulations, listed in 7.3, provide exemptions. NOTE Different standards may apply for lithium-ion traction battery systems used for electrically propelled road vehicles. This fourth edition cancels and replaces the third edition published in 2016. This edition constitutes a technical revision.This edition includes the following significant technical changes with respect to the previous edition:a) button cell definition revised, moved to coin (cell or battery);b) addition of provisions for batteries forming an integral part of equipment (5.4);c) all tests for secondary cells and batteries now also contain a requirement for 25 charge and recharge cycles prior to the test;d) addition of alternative tables for Table 1 and Table 2 in Annex B;e) addition of "forcible" to the rupture criteria;f) test report 6.8 merged with test certificate 6.9 and replaced with the items listed in [13];g) addition of an informative Annex B with important deviations from the UN Manual of Tests and Criteria, Chapter 38.3.Keywords: transport of primary lithium cells and batteries | 20190410 | 33,696円（本体31,200円） |
| IEC 62631-3-4 Ed. 1.0:2019 | Dielectric and resistive properties of solid insulating materials - Part 3-4: Determination of resistive properties (DC methods) - Volume resistance and volume resistivity at elevated temperatures | 固体絶縁材料の誘電特性及び抵抗特性－第3-4部：抵抗特性の求め方(DC法)－高温における体積抵抗及び体積抵抗率 | IEC 62631-3-4:2019 covers procedures for the determination of insulation resistance and volume resistivity of insulating materials by applying DC-voltage and temperatures up to 800 °C. The typical application materials include high temperature mica plate and alumina ceramics.This edition of IEC 62631-3-4 cancels and replaces IEC 60345 "Method of test for electrical resistance and resistivity of insulating materials at elevated temperatures", published in 1971. This edition constitutes a technical revision.This edition includes the following significant technical changes with respect to IEC 60345:The revised standard becomes part of the series IEC 62631-3-x. Title of the standard is changed and adapted to the series as Part 3-4.Clauses 2 "Normative references", 3 "Terms and definitions", and 4 "Significance" are added.Subclauses 5.2 "Power supply, Voltage", 5.3.1.2 "Number of test specimens" and 5.3.1.3 "Conditioning and pre-treatment of test specimens" are added.In 5.3.5 "Special precautions during measurements", errors analysis in the measurement of current are modified, and aligned with IEC 62631-3-1.In 6.2 "Increasing the temperature by steps (method B)", the method for more than one specimen is removed.The standard atmospheric conditions for testing and conditioning, especially the temperature, are replaced according to IEC 60212.The circuit diagram of test apparatus is modified, and the structure diagram and pictures of test apparatus are added in Annex A.The orders of part clauses are adjusted. | 20190328 | 9,072円（本体8,400円） |
| IEC 63093-12 Ed. 1.0:2019 | Ferrite cores - Guidelines on dimensions and the limits of surface irregularities - Part 12: Ring-cores | フェライト磁心－むらの寸法及び限度値の手引－第12部：リング磁心 | IEC 63093-12:2019 specifies the dimensions that are of importance for mechanical interchangeability for a preferred range of ring-cores, also called toroid cores, and the effective parameter values to be used in calculations involving them. It also gives guidelines on allowable limits of surface irregularities applicable to ring-cores. This document is a specification useful in the negotiations between ferrite core manufacturers and users about surface irregularities.This first edition cancels and replaces the first edition of IEC 62317-12 published in 2016 and the second edition of IEC 60424-4 published in 2015. This edition constitutes a technical revision.IEC 63093-12 integrates the contents of IEC 62317-12:2016 and IEC 60424-4:2015. | 20190404 | 12,960円（本体12,000円） |

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| IEC 63093-14 Ed. 1.0:2019 | Ferrite cores - Guidelines on dimensions and the limits of surface irregularities - Part 14: EFD-cores | フェライト磁心ーむらの寸法及び限度値の手引ー第14部:EFD磁心 | IEC 63093-14:2019 specifies the dimensions that are of importance for mechanical interchangeability for a preferred range of EFD-cores, the essential dimensions of coil formers to be used with them, and the effective parameter values to be used in calculations involving them. It also gives guidance on the allowable limits of surface irregularities applicable to EFD-cores in accordance with the relevant generic specification.The selection of core sizes for this document is based on the philosophy of including those sizes which are industrial standards, either by inclusion in national standards, or by broad-based use in industry. This document is a specification useful in the negotiation between ferrite core manufacturers and users about surface irregularities.This first edition cancels and replaces the first edition of IEC 62317-14 published in 2008. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to IEC 62317-14:2008:guidelines on the limits of surface irregularities of EFD-cores were added. | 20190404 | 12,960円（本体12,000円） |

## 31 エレクトロニクス

| 規格番号 | 原文標題 | 邦訳標題(参考訳) | 概要(英語) | 制定年月日 | 定価(本体価格) |
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| IEC 60384-17 Ed. 3.0:2019 | Fixed capacitors for use in electronic equipment - Part 17: Sectional specification - Fixed metallized polypropylene film dielectric AC and pulse capacitors | 電子機器に使用する固定コンデンサー第17部:品種別通則ー固定金属化ポリプロピレンフィルム誘電交流及びパルスコンデンサ | IEC 60384-17:2019 is available as IEC 60384-17:2019 RLV which contains the International Standard and its Redline version, showing all changes of the technical content compared to the previous edition.IEC 60384-17:2019 applies to fixed capacitors with metallized electrodes and polypropylene dielectric for use in electronic equipment. Capacitors that have mixed film and metallized electrodes are also within the scope of this standard. These capacitors may have "self-healing" properties depending on conditions of use. Capacitors covered by this specification are mainly intended for use with alternating voltage and/or for pulse applications. The maximum reactive power applicable is 10 000 var and the maximum peak voltage is 3 000 V. This edition includes the following significant technical changes with respect to the previous edition:a) all parts of the document have been revised based on the ISO/IEC Directives, Part 2:2016 (seventh edition) and harmonization between other similar kinds of documents;b) tables and Clause 4 have been revised so as to prevent duplications and contradictions;c) new damp heat steady-state robustness classes with test conditions have been added in text, in Clause 4 and in Annex A. | 20190318 | 31,104円（本体28,800円） |
| IEC 60384-17 Ed. 3.0:2019 RLV (Redline version) | Fixed capacitors for use in electronic equipment - Part 17: Sectional specification - Fixed metallized polypropylene film dielectric AC and pulse capacitors | 電子機器に使用する固定コンデンサー第17部:品種別通則ー固定金属化ポリプロピレンフィルム誘電交流及びパルスコンデンサ | IEC 60384-17:2019 RLV contains both the official IEC International Standard and its Redline version. The Redline version is not an official document, it is available in English only and provides you with a quick and easy way to compare all the changes between the official IEC Standard and its previous edition.IEC 60384-17:2019 applies to fixed capacitors with metallized electrodes and polypropylene dielectric for use in electronic equipment. Capacitors that have mixed film and metallized electrodes are also within the scope of this standard. These capacitors may have "self-healing" properties depending on conditions of use. Capacitors covered by this specification are mainly intended for use with alternating voltage and/or for pulse applications. The maximum reactive power applicable is 10 000 var and the maximum peak voltage is 3 000 V. This edition includes the following significant technical changes with respect to the previous edition:a) all parts of the document have been revised based on the ISO/IEC Directives, Part 2:2016 (seventh edition) and harmonization between other similar kinds of documents;b) tables and Clause 4 have been revised so as to prevent duplications and contradictions;c) new damp heat steady-state robustness classes with test conditions have been added in text, in Clause 4 and in Annex A. | 20190318 | 40,435円（本体37,440円） |
| IEC 60749-17 Ed. 2.0:2019 | Semiconductor devices - Mechanical and climatic test methods - Part 17: Neutron irradiation | 半導体素子ー機械及び耐候試験方法ー第17部:中性子照射 | IEC 60749-17:2019 is performed to determine the susceptibility of semiconductor devices to non-ionizing energy loss (NIEL) degradation. The test described herein is applicable to integrated circuits and discrete semiconductor devices and is intended for military- and aerospace-related applications. It is a destructive test.This edition includes the following significant technical changes with respect to the previous edition: updates to better align the test method with MIL-STD 883J, method 1017, including removal of restriction of use of the document, and a requirement to limit the total ionization dose; addition of a Bibliography, including US MIL- and ASTM standards relevant to this test method. | 20190328 | 5,184円（本体4,800円） |
| IEC 60749-18 Ed. 2.0:2019 | Semiconductor devices - Mechanical and climatic test methods - Part 18: Ionizing radiation (total dose) | 半導体素子ー機械及び耐候試験方法ー第18部:電離放射線(総線量) | IEC 60749-18:2019 is available as IEC 60749-18:2019 RLV which contains the International Standard and its Redline version, showing all changes of the technical content compared to the previous edition.IEC 60749-18:2019 provides a test procedure for defining requirements for testing packaged semiconductor integrated circuits and discrete semiconductor devices for ionizing radiation (total dose) effects from a cobalt-60 ($^{60}Co$) gamma ray source. Other suitable radiation sources can be used. This document addresses only steady-state irradiations, and is not applicable to pulse type irradiations. It is intended for military- and aerospace-related applications. It is a destructive test. This edition includes the following significant technical changes with respect to the previous edition: updates to subclauses to better align the test method with MIL-STD 883J, method 1019, including the use of enhanced low dose rate sensitivity (ELDRS) testing; addition of a Bibliography, which includes ASTM standards relevant to this test method. | 20190410 | 18,144円（本体16,800円） |

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| IEC 60749-18 Ed. 2.0:2019 RLV (Redline version) | Semiconductor devices - Mechanical and climatic test methods - Part 18: Ionizing radiation (total dose) | 半導体素子ー機械及び耐候試験方法ー第18部：電離放射線(総線量) | IEC 60749-18:2019 RLV contains both the official IEC International Standard and its Redline version. The Redline version is not an official document, it is available in English only and provides you with a quick and easy way to compare all the changes between the official IEC Standard and its previous edition.IEC 60749-18:2019 provides a test procedure for defining requirements for testing packaged semiconductor integrated circuits and discrete semiconductor devices for ionizing radiation (total dose) effects from a cobalt-60 (60Co) gamma ray source. Other suitable radiation sources can be used. This document addresses only steady-state irradiations, and is not applicable to pulse type irradiations. It is intended for military- and aerospace-related applications. It is a destructive test. This edition includes the following significant technical changes with respect to the previous edition: updates to subclauses to better align the test method with MIL-STD 883J, method 1019, including the use of enhanced low dose rate sensitivity (ELDRS) testing; addition of a Bibliography, which includes ASTM standards relevant to this test method. | 20190410 | 23,587円（本体21,840円） |
| IEC 62047-31 Ed. 1.0:2019 | Semiconductor devices - Micro-electromechanical devices - Part 31: Four-point bending test method for interfacial adhesion energy of layered MEMS materials | 半導体素子ー超小型電気機械素子ー第31部：層状MENS材料の界面付着エネルギーのための4点曲げ試験方法 | IEC 62047-31:2019 (E) specifies a four-point bending test method for measuring interfacial adhesion energy of the weakest interface in the layered micro-electromechanical systems (MEMS) based on the concept of fracture mechanics. In a variety of MEMS devices, there are many layered material interfaces, and their adhesion energies are critical to the reliability of the MEMS devices. The four-point bending test utilizes a pure bending moment applied to a test piece of layered MEMS device, and the interfacial adhesion energy is measured from the critical bending moment for the steady state cracking in the weakest interface. This test method applies to MEMS devices with thin film layers deposited on semiconductor substrates. The total thickness of the thin film layers should be 100 times less than the thickness of a supporting substrate (typically a silicon wafer piece). | 20190405 | 9,072円（本体8,400円） |
| IEC 62047-33 Ed. 1.0:2019 | Semiconductor devices - Micro-electromechanical devices - Part 33: MEMS piezoresistive pressure-sensitive device | 半導体素子ー超小型電気機械素子ー第33部：MENSピエゾ抵抗性感圧素子 | IEC 62047-33:2019 (E) defines terms, definitions, essential ratings and characteristics, as well as test methods applicable to MEMS piezoresistive pressure-sensitive device. This document applies to piezoresistive pressure-sensitive devices for automotive, medical treatment, electronic products. | 20190405 | 18,144円（本体16,800円） |
| IEC 62047-34 Ed. 1.0:2019 | Semiconductor devices - Micro-electromechanical devices - Part 34: Test methods for MEMS piezoresistive pressure-sensitive device on wafer | 半導体素子ー超小型電気機械素子ー第34部：ウェハー上のMENSピエゾ抵抗性感圧素子の試験方法 | IEC 62047-34:2019 (E) describes test conditions and test methods of electric character, static performances and thermal performances for MEMS pressure-sensitive devices. This document applies to test for both open and closed loop piezoresistive MEMS pressure devices on wafer. | 20190405 | 9,072円（本体8,400円） |
| IEC 62047-36 Ed. 1.0:2019 | Semiconductor devices - Micro-electromechanical devices - Part 36: Environmental and dielectric withstand test methods for MEMS piezoelectric thin films | 半導体素子ー超小型電気機械素子ー第36部：MENSピエジ薄膜の環境及び耐電圧試験方法 | IEC 62047-36:2019 (E) specifies test methods for evaluating the durability of MEMS piezoelectric thin film materials under the environmental stress of temperature and humidity and under electrical stress, and test conditions for appropriate quality assessment. Specifically, this document specifies test methods and test conditions for measuring the durability of a DUT under temperature and humidity conditions and applied voltages. It further applies to evaluations of converse piezoelectric properties in piezoelectric thin films formed primarily on silicon substrates, i.e., piezoelectric thin films used as actuators. This document does not cover reliability assessments, such as methods of predicting the lifetime of a piezoelectric thin film based on a Weibull distribution. | 20190405 | 9,072円（本体8,400円） |
| IEC 62341-5-2 Ed. 2.0:2019 | Organic light emitting diode (OLED) displays - Part 5-2: Mechanical endurance test methods | 有機発光ダイオード(OLED)ディスプレイー第5-2部：機械的耐久性試験方法 | IEC 62341-5-2:2019 is available as IEC 62341-5-2:2019 RLV which contains the International Standard and its Redline version, showing all changes of the technical content compared to the previous edition.IEC 62341-5-2:2019 defines test methods for evaluating the mechanical endurance quality of organic light emitting diode (OLED) display panels and modules or their packaged form for transportation. It takes into account, wherever possible, the environmental test methods outlined in IEC 60068 (all parts). The object of this document is to establish uniform preferred test methods for judging the mechanical endurance properties of OLED display devices.This edition includes the following significant technical changes with respect to the previous edition: Vibration and shock tests for large displays (for example, TVs and monitors) are added. | 20190318 | 22,032円（本体20,400円） |
| IEC 62341-5-2 Ed. 2.0:2019 RLV (Redline version) | Organic light emitting diode (OLED) displays - Part 5-2: Mechanical endurance test methods | 有機発光ダイオード(OLED)ディスプレイー第5-2部：機械的耐久性試験方法 | IEC 62341-5-2:2019 RLV contains both the official IEC International Standard and its Redline version. The Redline version is not an official document, it is available in English only and provides you with a quick and easy way to compare all the changes between the official IEC Standard and its previous edition.IEC 62341-5-2:2019 defines test methods for evaluating the mechanical endurance quality of organic light emitting diode (OLED) display panels and modules or their packaged form for transportation. It takes into account, wherever possible, the environmental test methods outlined in IEC 60068 (all parts). The object of this document is to establish uniform preferred test methods for judging the mechanical endurance properties of OLED display devices.This edition includes the following significant technical changes with respect to the previous edition: Vibration and shock tests for large displays (for example, TVs and monitors) are added. | 20190318 | 28,641円（本体26,520円） |

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| IEC/TR 62595-1-3 Ed. 1.0:2019 | Display lighting unit Part 1-3: Lighting units with arbitrary shapes | ディスプレイライトユニット－第1-3部：任意形状の照明ユニット | IEC TR 62595-1-3:2019 (E) focuses on common issues of light emission such as spatial uniformity of luminance and colour, and angular distribution of luminance and colour, from lighting units with arbitrary shapes like flexible lighting sources (FLSs). This document provides a model of light emission from a curved FLS and of light measurement on a curved FLS. Because the development of flexible liquid crystal panels is in progress (see the notes), the intent of this document is to provide guidance for the development of future measurement standards. This document is applicable to FLSs either as light sources, products or elements with arbitrary shapes of geometrical curvature having different spectral and spatial characteristics of light emission.NOTE 1 Almost 20 years ago plastic LCDs were developed and used in a few applications.NOTE 2 Flexible BLUs have been used for bendable LC panels in recent years.NOTE 3 Recent transmissive and transflective flexible LCs require flexible BLUs. | 20190404 | 12,960円（本体12,000円） |
| IEC 62629-12-2 Ed. 1.0:2019 | 3D display devices – Part 12-2: Measuring methods for stereoscopic displays using glasses – Motion blur | 3D表示装置－第12-2部：ガラスを使用するステレオスコープ表示装置の測定方法－被写体ぶれ | IEC 62629-12-2:2019 specifies the measuring methods of motion artifacts for stereoscopic displays using glasses. This document is applicable to stereoscopic displays using glasses, which consist of transmissive type active matrix liquid crystal display modules (without a post image processing). | 20190328 | 18,144円（本体16,800円） |
| IEC/TR 62878-2-7 Ed. 1.0:2019 | Device embedding assembly technology – Part 2-7: Guidelines – Accelerated stress testing of passive embedded circuit boards | 部品内蔵アセンブリ技術－第2-7部：指針－受動的内蔵回路基板の加速ストレス試験 | IEC TR 62878-2-7:2019 (E) describes the accelerated stress testing of passive embedded circuit boards. It can be used for screening finished boards, including multilayer and high-density interconnection (HDI) boards. These boards are mainly for mobile devices. | 20190320 | 9,072円（本体8,400円） |

## 33 電気通信工学．オーディオ及びビデオ工学

| 規格番号 | 原文標題 | 邦訳標題（参考訳） | 概要（英語） | 制定年月日 | 定価（本体価格） |
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| IEC 60793-1-40 Ed. 2.0:2019 | Optical fibres – Part 1-40: Attenuation measurement methods | 光ファイバー第1-40部：減衰の測定方法 | IEC 60793-1-40:2019 is available as IEC 60793-1-40:2019 RLV which contains the International Standard and its Redline version, showing all changes of the technical content compared to the previous edition.IEC 60793-1-40:2019 establishes uniform requirements for measuring the attenuation of optical fibre, thereby assisting in the inspection of fibres and cables for commercial purposes. Four methods are described for measuring attenuation, one being that for modelling spectral attenuation: method A: cut-back; method B: insertion loss; method C: backscattering; method D: modelling spectral attenuation.Methods A to C apply to the measurement of attenuation for all categories of the following fibres: class A multimode fibres; class B single-mode fibres.Method C, backscattering, also covers the location, losses and characterization of point discontinuities. Method D is applicable only to class B fibres. Information common to all four methods appears in Clauses 1 to 11, and information pertaining to each individual method appears in Annexes A, B, C, and D, respectively. This second edition cancels and replaces the first edition published in 2001. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition:a) Improvement of the description of measurement details for B6 fibre; b) Improvement of the calibration requirements for A4 fibre;c) Introduction of Annex E describing examples of short cable test results on A1 multimode fibres.Keywords: measuring the attenuation of optical fibre | 20190327 | 25,920円（本体24,000円） |
| IEC 60793-1-40 Ed. 2.0:2019 RLV (Redline version) | Optical fibres – Part 1-40: Attenuation measurement methods | 光ファイバー第1-40部：減衰の測定方法 | IEC 60793-1-40:2019 RLV contains both the official IEC International Standard and its Redline version. The Redline version is not an official document, it is available in English only and provides you with a quick and easy way to compare all the changes between the official IEC Standard and its previous edition.IEC 60793-1-40:2019 establishes uniform requirements for measuring the attenuation of optical fibre, thereby assisting in the inspection of fibres and cables for commercial purposes. Four methods are described for measuring attenuation, one being that for modelling spectral attenuation: method A: cut-back; method B: insertion loss; method C: backscattering; method D: modelling spectral attenuation.Methods A to C apply to the measurement of attenuation for all categories of the following fibres: class A multimode fibres; class B single-mode fibres.Method C, backscattering, also covers the location, losses and characterization of point discontinuities. Method D is applicable only to class B fibres. Information common to all four methods appears in Clauses 1 to 11, and information pertaining to each individual method appears in Annexes A, B, C, and D, respectively. This second edition cancels and replaces the first edition published in 2001. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition:a) Improvement of the description of measurement details for B6 fibre;b) Improvement of the calibration requirements for A4 fibre;c) Introduction of Annex E describing examples of short cable test results on A1 multimode fibres.Keywords: measuring the attenuation of optical fibre | 20190327 | 33,696円（本体31,200円） |

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| IEC 60794-2-11 Ed. 3.0:2019 | Optical fibre cables - Part 2-11: Indoor cables - Detailed specification for simplex and duplex cables for use in premises cabling | 光ファイバケーブル－第2-11部：屋内ケーブル－構内配線に用いる単式及び複式ケーブルの個別規格 | IEC 60794-2-11:2019 is available as IEC 60794-2-11:2019 RLV which contains the International Standard and its Redline version, showing all changes of the technical content compared to the previous edition.IEC 60794-2-11:2019 presents the detailed requirements specific to this type of cable to ensure compatibility with the series of International Standards ISO/IEC 11801, Information technology Generic cabling for customer premises (Parts 1 to 6). The requirements of family specification IEC 60794-2-10 are applicable to cables covered by this document. Particular requirements detailed in Clause 4 define either a specific option in relation to the requirements of IEC 60794-2-10 or additional requirements. This third edition cancels and replaces the second edition published in 2012. It constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) incorporation of the OM5 cabled fibre performance category;b) incorporation of the OS1a cabled fibre performance category;c) cabled fibre performance categories OM1, OM2 and OS1 are no longer normative, and are retained for information.Keywords: simplex and duplex cables | 20190412 | 2,592円（本体2,400円） |
| IEC 60794-2-11 Ed. 3.0:2019 RLV (Redline version) | Optical fibre cables - Part 2-11: Indoor cables - Detailed specification for simplex and duplex cables for use in premises cabling | 光ファイバケーブル－第2-11部：屋内ケーブル－構内配線に用いる単式及び複式ケーブルの個別規格 | IEC 60794-2-11:2019 RLV contains both the official IEC International Standard and its Redline version. The Redline version is not an official document, it is available in English only and provides you with a quick and easy way to compare all the changes between the official IEC Standard and its previous edition.IEC 60794-2-11:2019 presents the detailed requirements specific to this type of cable to ensure compatibility with the series of International Standards ISO/IEC 11801, Information technology Generic cabling for customer premises (Parts 1 to 6). The requirements of family specification IEC 60794-2-10 are applicable to cables covered by this document. Particular requirements detailed in Clause 4 define either a specific option in relation to the requirements of IEC 60794-2-10 or additional requirements. This third edition cancels and replaces the second edition published in 2012. It constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition:a) incorporation of the OM5 cabled fibre performance category;b) incorporation of the OS1a cabled fibre performance category;c) cabled fibre performance categories OM1, OM2 and OS1 are no longer normative, and are retained for information.Keywords: simplex and duplex cables | 20190412 | 3,369円（本体3,120円） |
| IEC 60794-2-21 Ed. 3.0:2019 | Optical fibre cables - Part 2-21: Indoor cables - Detailed specification for multi-fibre optical distribution cables for use in premises cabling | 光ファイバケーブル－第2-21部：屋内ケーブル－構内配線に用いる多重光ファイバ配電ケーブルの個別規格 | IEC 60794-2-21:2019 is available as IEC 60794-2-21:2019 RLV which contains the International Standard and its Redline version, showing all changes of the technical content compared to the previous edition.IEC 60794-2-21:2019 presents the detailed requirements specific to this type of cable to ensure compatibility with the series of International Standards ISO/IEC 11801, Information technology Generic cabling for customer premises (Parts 1 to 6). The requirements of family specification IEC 60794-2-20 are applicable to cables covered by this document. Particular requirements detailed in Clause 4 define either a specific option in relation to the requirements of IEC 60794-2-20 or additional requirements. This third edition cancels and replaces the second edition published in 2012. It constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) incorporation of the OM5 cabled fibre performance category;b) incorporation of the OS1a cabled fibre performance category;c) cabled fibre performance categories OM1, OM2 and OS1 are no longer normative, and are retained for information.Keywords: multi-fibre distribution cables | 20190412 | 2,592円（本体2,400円） |
| IEC 60794-2-21 Ed. 3.0:2019 RLV (Redline version) | Optical fibre cables - Part 2-21: Indoor cables - Detailed specification for multi-fibre optical distribution cables for use in premises cabling | 光ファイバケーブル－第2-21部：屋内ケーブル－構内配線に用いる多重光ファイバ配電ケーブルの個別規格 | IEC 60794-2-21:2019 RLV contains both the official IEC International Standard and its Redline version. The Redline version is not an official document, it is available in English only and provides you with a quick and easy way to compare all the changes between the official IEC Standard and its previous edition.IEC 60794-2-21:2019 presents the detailed requirements specific to this type of cable to ensure compatibility with the series of International Standards ISO/IEC 11801, Information technology Generic cabling for customer premises (Parts 1 to 6). The requirements of family specification IEC 60794-2-20 are applicable to cables covered by this document. Particular requirements detailed in Clause 4 define either a specific option in relation to the requirements of IEC 60794-2-20 or additional requirements. This third edition cancels and replaces the second edition published in 2012. It constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition:a) incorporation of the OM5 cabled fibre performance category;b) incorporation of the OS1a cabled fibre performance category;c) cabled fibre performance categories OM1, OM2 and OS1 are no longer normative, and are retained for information.Keywords: multi-fibre distribution cables | 20190412 | 3,369円（本体3,120円） |

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| IEC 60794-2-30 Ed. 3.0:2019 | Optical fibre cables - Part 2-30: Indoor cables - Family specification for optical fibre ribbon cables for use in terminated cable assemblies | 光ファイバケーブル－第2-30部：屋内ケーブル－終端ケーブルアセンブリに使用する光ファイバリボンケーブルの品種別通則 | IEC 60794-2-30:2019 is available as IEC 60794-2-30:2019 RLV which contains the International Standard and its Redline version, showing all changes of the technical content compared to the previous edition.IEC 60794-2-30:2019 is a family specification which covers indoor optical fibre ribbon cables for use in terminated cable assemblies. The requirements of the sectional specification IEC 60794-2 are applicable to cables covered by this document. The requirements of this document are written to define flat ribbon cables. This document can be applicable to other cable constructions. Parts of IEC 60794-3 which are applicable for ribbon tests are the subject of IEC 60794-1-31. Annex B contains requirements that supersede the normal requirements in case the cables are intended to be used in installation governed by the MICE table of ISO 11801-3.This third edition cancels and replaces the second edition published in 2008. This edition constitutes a technical revision.This edition includes the following significant technical changes with respect to the previous edition:a) removal of Annex C;b) reference to the most recent fibre standards; c) reference to IEC 60794-1-21, IEC 60794-1-22, IEC 60794-1-23 and IEC 60794-1-24.This standard is to be used in conjunction with IEC 60794-1-1, IEC 60794-1-2 and IEC 60794-2.Keywords: indoor optical fibre ribbon cables, flat ribbon cables | 20190318 | 18,144円（本体16,800円） |
| IEC 60794-2-30 Ed. 3.0:2019 RLV (Redline version) | Optical fibre cables - Part 2-30: Indoor cables - Family specification for optical fibre ribbon cables for use in terminated cable assemblies | 光ファイバケーブル－第2-30部：屋内ケーブル－終端ケーブルアセンブリに使用する光ファイバリボンケーブルの品種別通則 | IEC 60794-2-30:2019 RLV contains both the official IEC International Standard and its Redline version. The Redline version is not an official document, it is available in English only and provides you with a quick and easy way to compare all the changes between the official IEC Standard and its previous edition.IEC 60794-2-30:2019 is a family specification which covers indoor optical fibre ribbon cables for use in terminated cable assemblies. The requirements of the sectional specification IEC 60794-2 are applicable to cables covered by this document. The requirements of this document are written to define flat ribbon cables. This document can be applicable to other cable constructions. Parts of IEC 60794-3 which are applicable for ribbon tests are the subject of IEC 60794-1-31. Annex B contains requirements that supersede the normal requirements in case the cables are intended to be used in installation governed by the MICE table of ISO 11801-3.This third edition cancels and replaces the second edition published in 2008. This edition constitutes a technical revision.This edition includes the following significant technical changes with respect to the previous edition:a) removal of Annex C;b) reference to the most recent fibre standards;c) reference to IEC 60794-1-21, IEC 60794-1-22, IEC 60794-1-23 and IEC 60794-1-24.This standard is to be used in conjunction with IEC 60794-1-1, IEC 60794-1-2 and IEC 60794-2.Keywords: indoor optical fibre ribbon cables, flat ribbon cables | 20190318 | 23,587円（本体21,840円） |
| IEC 60794-2-31 Ed. 3.0:2019 | Optical fibre cables - Part 2-31: Indoor cables - Detailed specification for optical fibre ribbon cables for use in premises cabling | 光ファイバケーブル－第2-31部：屋内ケーブル－構内配線に用いる光ファイバリボンケーブルの個別規格 | IEC 60794-2-31:2019 is available as IEC 60794-2-31:2019 RLV which contains the International Standard and its Redline version, showing all changes of the technical content compared to the previous edition.IEC 60794-2-31:2019 presents the detailed requirements specific to this type of cable to ensure compatibility with the series of International Standards ISO/IEC 11801, Information technology Generic cabling for customer premises (Parts 1 to 6). The requirements of family specification IEC 60794-2-30 are applicable to cables covered by this document. The particular requirements detailed in Clause 4 define either a specific option in relation to the requirements of IEC 60794-2-30 or additional requirements. This third edition cancels and replaces the second edition published in 2012. It constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) incorporation of the OM5 cabled fibre performance category;b) incorporation of the OS1a cabled fibre performance category;c) cabled fibre performance categories OM1, OM2 and OS1 are no longer normative, and are retained for information.Keywords: optical fibre ribbon cables | 20190412 | 2,592円（本体2,400円） |
| IEC 60794-2-31 Ed. 3.0:2019 RLV (Redline version) | Optical fibre cables - Part 2-31: Indoor cables - Detailed specification for optical fibre ribbon cables for use in premises cabling | 光ファイバケーブル－第2-31部：屋内ケーブル－構内配線に用いる光ファイバリボンケーブルの個別規格 | IEC 60794-2-31:2019 RLV contains both the official IEC International Standard and its Redline version. The Redline version is not an official document, it is available in English only and provides you with a quick and easy way to compare all the changes between the official IEC Standard and its previous edition.IEC 60794-2-31:2019 presents the detailed requirements specific to this type of cable to ensure compatibility with the series of International Standards ISO/IEC 11801, Information technology Generic cabling for customer premises (Parts 1 to 6). The requirements of family specification IEC 60794-2-30 are applicable to cables covered by this document. The particular requirements detailed in Clause 4 define either a specific option in relation to the requirements of IEC 60794-2-30 or additional requirements. This third edition cancels and replaces the second edition published in 2012. It constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition:a) incorporation of the OM5 cabled fibre performance category;b) incorporation of the OS1a cabled fibre performance category;c) cabled fibre performance categories OM1, OM2 and OS1 are no longer normative, and are retained for information.Keywords: optical fibre ribbon cables | 20190412 | 3,369円（本体3,120円） |

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| IEC 61300-2-46 Ed. 2.0:2019 | Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-46: Tests - Damp heat, cyclic | 光ファイバ相互接続装置及び受動部品－基本試験及び計測手順－第2-46部：試験－湿熱，循環 | IEC 61300-2-46:2019 is available as IEC 61300-2-46:2019 RLV which contains the International Standard and its Redline version, showing all changes of the technical content compared to the previous edition.IEC 61300-2-46:2019 describes a test to determine the suitability of a fibre optic device to withstand the environmental condition of high humidity and change of temperature which can occur in actual use, storage and/or transport. The test is primarily intended to determine the suitability of fibre optic components under conditions of high humidity combined with cyclic temperature changes and, in general, producing condensation on the surface of the device under test (DUT). Absorption of moisture can result in swelling that would destroy functional utility, cause loss of physical strength, and cause changes in other important mechanical properties. Degradation of optical properties can also occur. Although not necessarily intended as a simulated tropical test, this test can, nevertheless, be useful in determining moisture absorption of insulating or covering materials. This second edition cancels and replaces the first edition published in 2006. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition:a) complete revision to harmonize with IEC 60068-2-30;b) addition of detail description Clause 4, General description;c) addition of detail description Clause 5, Apparatus;d) addition of detail description Clause 6, Procedure.Keywords: suitability of fibre optic devices to withstand the environmental condition | 20190318 | 9,072円（本体8,400円） |
| IEC 61300-2-46 Ed. 2.0:2019 RLV (Redline version) | Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-46: Tests - Damp heat, cyclic | 光ファイバ相互接続装置及び受動部品－基本試験及び計測手順－第2-46部：試験－湿熱，循環 | IEC 61300-2-46:2019 RLV contains both the official IEC International Standard and its Redline version. The Redline version is not an official document, it is available in English only and provides you with a quick and easy way to compare all the changes between the official IEC Standard and its previous edition.IEC 61300-2-46:2019 describes a test to determine the suitability of a fibre optic device to withstand the environmental condition of high humidity and change of temperature which can occur in actual use, storage and/or transport. The test is primarily intended to determine the suitability of fibre optic components under conditions of high humidity combined with cyclic temperature changes and, in general, producing condensation on the surface of the device under test (DUT). Absorption of moisture can result in swelling that would destroy functional utility, cause loss of physical strength, and cause changes in other important mechanical properties. Degradation of optical properties can also occur. Although not necessarily intended as a simulated tropical test, this test can, nevertheless, be useful in determining moisture absorption of insulating or covering materials. This second edition cancels and replaces the first edition published in 2006. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition:a) complete revision to harmonize with IEC 60068-2-30;b) addition of detail description Clause 4, General description;c) addition of detail description Clause 5, Apparatus;d) addition of detail description Clause 6, Procedure.Keywords: suitability of fibre optic devices to withstand the environmental condition. | 20190318 | 11,793円（本体10,920円） |
| IEC 61315 Ed. 3.0:2019 | Calibration of fibre-optic power meters | 光ファイバ電力計の校正 | IEC 61315:2019 is available as IEC 61315:2019 RLV which contains the International Standard and its Redline version, showing all changes of the technical content compared to the previous edition.IEC 61315:2019 is applicable to instruments measuring radiant power emitted from sources that are typical for the fibre-optic communications industry. These sources include laser diodes, light emitting diodes (LEDs) and fibre-type sources. Both divergent and collimated radiations are covered. This document defines the calibration of power meters to be performed by calibration laboratories or by power meter manufacturers. This third edition cancels and replaces the second edition published in 2005. It constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition:a) update of terms and definitions;b) update of 5.1, including Table 1 (new type of source);c) update of Annex A;d) addition of Annex B on dB conversion.Keywords: Fibre-optic power meters | 20190329 | 31,104円（本体28,800円） |
| IEC 61315 Ed. 3.0:2019 RLV (Redline version) | Calibration of fibre-optic power meters | 光ファイバ電力計の校正 | IEC 61315:2019 RLV contains both the official IEC International Standard and its Redline version. The Redline version is not an official document, it is available in English only and provides you with a quick and easy way to compare all the changes between the official IEC Standard and its previous edition.IEC 61315:2019 is applicable to instruments measuring radiant power emitted from sources that are typical for the fibre-optic communications industry. These sources include laser diodes, light emitting diodes (LEDs) and fibre-type sources. Both divergent and collimated radiations are covered. This document defines the calibration of power meters to be performed by calibration laboratories or by power meter manufacturers. This third edition cancels and replaces the second edition published in 2005. It constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition:a) update of terms and definitions;b) update of 5.1, including Table 1 (new type of source);c) update of Annex A;d) addition of Annex B on dB conversion.Keywords: Fibre-optic power meters | 20190329 | 40,435円（本体37,440円） |
| IEC 61754-7-3 Ed. 1.0:2019 | Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 7-3: Type MPO connector family - Two fibre rows 16 fibre wide | 光ファイバ相互接続装置及び受動部品－光ファイバコネクタインタフェース－第7-3部：タイプ MPOコネクタファミリー2ファイバ列16ファイバ幅 | IEC 61754-7-3: 2019 defines the standard interface dimensions for type MPO family of connectors with two rows of 16 fibres.Keywords: interface dimensions for type MPO connectors | 20190405 | 22,032円（本体20,400円） |

## 35 情報技術．事務機械

| 規格番号 | 原文標題 | 邦訳標題(参考訳) | 概要(英語) | 制定年月日 | 定価(本体価格) |
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| IEC 61158-1 Ed. 2.0:2019 | Industrial communication networks - Fieldbus specifications - Part 1: Overview and guidance for the IEC 61158 and IEC 61784 series | 工業用コミュニケーションネットワーク－フィールドバスの仕様－第1部:IEC 61158及びIEC 61784シリーズの概要及び手引 | IEC 61158-1:2019 (E) specifies the generic concept of fieldbuses. This document presents an overview and guidance for the IEC 61158 series explaining the structure and content of the IEC 61158 series, relating the structure of the IEC 61158 series to the ISO/IEC 7498-1 OSI Basic Reference Model and showing how to use parts of the IEC 61158 series in combination with the IEC 61784 series. It also provides explanations of some aspects of the IEC 61158 series that are common to the type specific parts of the IEC 61158 5 including the application layer service description concepts and the generic fieldbus data types.This second edition cancels and replaces the first edition published in 2014. This edition constitutes a technical revision.This edition includes the following significant changes with respect to the previous edition: updates of the references to and information about the IEC 61158 series, IEC 61784 1, IEC 61784 3, IEC 61784-5 series and IEC 61918 throughout the document; | 20190410 | 38,880円（本体36,000円） |
| IEC 61158-3-25 Ed. 1.0:2019 | Industrial communication networks - Fieldbus specifications - Part 3-25: Data-link layer service definition - Type X elements | 工業用コミュニケーションネットワーク－フィールドバスの仕様－第3-25部:データリンク層サービスの定義－タイプX要素 | IEC 61158-3-25:2019 defines the services provided to the Type 25 fieldbus application layer at the boundary between the application and data-link layers of the fieldbus reference model and systems management at the boundary between the data-link layer and systems management of the fieldbus reference model. It provides common elements for basic time-critical messaging communications between devices in an automation environment. | 20190410 | 18,144円（本体16,800円） |
| IEC 61158-4-21 Ed. 2.0:2019 | Industrial communication networks - Fieldbus specifications - Part 4-21: Data-link layer protocol specification - Type 21 elements | 工業用コミュニケーションネットワーク－フィールドバスの仕様－第4-21部:データリンク層プロトコルの仕様－タイプ21要素 | IEC 61158-4-21:2019 describes procedures for the timely transfer of data and control information from one data link user entity to a peer user entity, and among the data link entities forming the distributed data link service provider and procedures for giving communication opportunities based on standard ISO/IEC 8802-3 MAC, with provisions for nodes to be added or removed during normal operation; structure of the fieldbus data link protocol data units (DLPDUs) used for the transfer of data and control information by the protocol of this standard, and their representation as physical interface data units. This second edition cancels and replaces the first edition published in 2010. This edition constitutes a technical revision. The main changes are:added Frame control Value, DLM function and DLL constants;changed NCM_RETRY_RNMS to NCM_CHECK_NET_INTEGRITY_REQ;updated DLM state table;miscellaneous editorial corrections. | 20190410 | 41,472円（本体38,400円） |
| IEC 61158-4-25 Ed. 1.0:2019 | Industrial communication networks - Fieldbus specifications - Part 4-25: Data-link layer protocol specification - Type 25 elements | 工業用コミュニケーションネットワーク－フィールドバスの仕様－第4-25部:データリンク層プロトコルの仕様－タイプ25要素 | IEC 61158-4-25:2019 specifies procedures for the timely transfer of data and control information from one data-link user entity to a peer user entity, and among the data-link entities forming the distributed data-link service provider, and the communication and interworking of sensors, effectors and other automation devices. By using this document together with other standards positioned within the OSI or fieldbus reference models, otherwise incompatible systems may work together in any combination | 20190410 | 38,880円（本体36,000円） |
| IEC 61158-5-2 Ed. 4.0:2019 | Industrial communication networks - Fieldbus specifications - Part 5-2: Application layer service definition - Type 2 elements | 工業用コミュニケーションネットワーク－フィールドバスの仕様－第5-2部:アプリケーション層サービスの定義－タイプ2要素 | IEC 61158-5-2:2019 (E) defines the services provided to the FAL user at the boundary between the user and the application layer of the fieldbus reference model, and Systems Management at the boundary between the application layer and Systems Management of the fieldbus reference model. This standard specifies the structure and services of the Type 2 fieldbus application layer, in conformance with the OSI Basic Reference Model (ISO/IEC 7498-1) and the OSI application layer structure (ISO/IEC 9545).This fourth edition cancels and replaces the third edition published in 2014. This edition constitutes a technical revision.This edition includes the following significant technical changes with respect to the previous edition:addition of a data type in 5.3.2;clarifications of Object management ASE in 6.2.1;extensions of General ASE in 6.2.1.2.1;extensions/clarifications of Identity ASE in 6.2.1.2.2;update of Message Router ASE in 6.2.1.2.4;extensions/clarifications of Time Sync ASE in 6.2.1.2.6;updates of Parameter ASE in 6.2.1.2.7;updates of FAL ASE service specification in 6.2.1.3;extensions/clarifications of Connection manager ASE in 6.2.2;extensions/clarifications of Connection ASE in 6.2.3;extensions/clarifications of Application type in 6.3.1.4.5.miscellaneous editorial corrections. | 20190410 | 45,360円（本体42,000円） |
| IEC 61158-5-4 Ed. 3.0:2019 | Industrial communication networks - Fieldbus specifications - Part 5-4: Application layer service definition - Type 4 elements | 工業用コミュニケーションネットワーク－フィールドバスの仕様－第5-4部:アプリケーション層サービスの定義－タイプ4要素 | IEC 61158-5-4:2019 (E) defines the services provided to the FAL user at the boundary between the user and the application layer of the fieldbus reference model, and Systems Management at the boundary between the application layer and Systems Management of the fieldbus reference model. This standard specifies the structure and services of the IEC fieldbus application layer, in conformance with the OSI Basic Reference Model (ISO/IEC 7498-1) and the OSI application layer structure (ISO/IEC 9545). This third edition cancels and replaces the second edition published in 2014. This edition constitutes a technical revision.This edition includes the following significant technical changes with respect to the previous edition:a) additional user parameters to services;b) additional services to support distributed objects;c) additional secure services. | 20190410 | 38,880円（本体36,000円） |

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| IEC 61158-5-10 Ed. 4.0:2019 | Industrial communication networks - Fieldbus specifications - Part 5-10: Application layer service definition - Type 10 elements | 工業用コミュニケーションネットワークーフィールドバスの仕様ー第5-10部:アプリケーション層サービスの定義ータイプ10要素 | IEC 61158-5-10:2019 (E) defines the services provided to the FAL user at the boundary between the user and the application layer of the fieldbus reference model, and Systems Management at the boundary between the application layer and Systems Management of the fieldbus reference model. This standard specifies the structure and services of the IEC fieldbus application layer, in conformance with the OSI Basic Reference Model (ISO/IEC 7498-1) and the OSI application layer structure (ISO/IEC 9545).This fourth edition cancels and replaces the third edition published in 2014 and constitutes a technical revision which includes the following significant technical changes with respect to the previous edition: integration of system redundancy basic functionality; integration of dynamic reconfiguration basic functionality; integration of reporting system basic functionality;– integration of asset management basic functionality; integration of media redundancy ring interconnection basic functionality. | 20190410 | 45,360円（本体42,000円） |
| IEC 61158-5-12 Ed. 4.0:2019 | Industrial communication networks - Fieldbus specifications - Part 5-12: Application layer service definition - Type 12 elements | 工業用コミュニケーションネットワークーフィールドバスの仕様ー第5-12部:アプリケーション層サービスの定義ータイプ12要素 | IEC 61158-5-12:2019 defines the services provided to the FAL user at the boundary between the user and the application layer of the fieldbus reference model, and Systems Management at the boundary between the application layer and Systems Management of the fieldbus reference model. This standard specifies the structure and services of the IEC fieldbus application layer, in conformance with the OSI Basic Reference Model (ISO/IEC 7498-1) and the OSI application layer structure (ISO/IEC 9545). This fourth edition cancels and replaces the third edition published in 2014 and constitutes a technical revision.This edition includes the following significant technical changes with respect to the previous edition:Technical corrections; and Editorial improvements for clarification | 20190410 | 42,768円（本体39,600円） |
| IEC 61158-5-19 Ed. 4.0:2019 | Industrial communication networks - Fieldbus specifications - Part 5-19: Application layer service definition - Type 19 elements | 工業用コミュニケーションネットワークーフィールドバスの仕様ー第5-19部:アプリケーション層サービスの定義ータイプ19要素 | IEC 61158-5-19:2019 defines the services provided to the FAL user at the boundary between the user and the application layer of the fieldbus reference model, and Systems Management at the boundary between the application layer and Systems Management of the fieldbus reference model. This standard specifies the structure and services of the IEC fieldbus application layer, in conformance with the OSI Basic Reference Model (ISO/IEC 7498-1) and the OSI application layer structure (ISO/IEC 9545). This fourth edition cancels and replaces the third edition published in 2014 and constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition:improving the hotplug and redundancy features;improving the phase switching and the error handling;editorial improvements | 20190410 | 25,920円（本体24,000円） |
| IEC 61158-5-21 Ed. 2.0:2019 | Industrial communication networks - Fieldbus specifications - Part 5-21: Application layer service definition - Type 21 elements | 工業用コミュニケーションネットワークーフィールドバスの仕様ー第5-21部:アプリケーション層サービスの定義ータイプ21要素 | IEC 61158-5-21:2019 specifies the structure and services of the type 21 IEC fieldbus Application Layer, in conformance with the OSI Basic Reference Model (ISO/IEC 7498) and the OSI Application Layer Structure (ISO/IEC 9545). This second edition cancels and replaces the first edition published in 2010. This edition constitutes a technical revision.This edition includes the following significant technical changes with respect to the previous edition:added Write and Read service;miscellaneous editorial corrections. | 20190410 | 38,880円（本体36,000円） |
| IEC 61784-1 Ed. 5.0:2019 | Industrial communication networks - Profiles Part 1: Fieldbus profiles | 工業用コミュニケーションネットワークープロファイルー第1部:フィールドバスプロファイル | IEC 61784-1:2019 (E) defines a set of protocol specific communication profiles based primarily on the IEC 61158 series, to be used in the design of devices involved in communications in factory manufacturing and process control. This fifth edition cancels and replaces the fourth edition published in 2014 it constitutes a technical revision. The main changes are: update of the dated references to the IEC 61158 series, to IEC 61784 2, to the IEC 61784 3 series, to the IEC 61784-5 series and to IEC 61918 throughout the document; update of selection tables CPF 2, CPF 4 and CPF 8 | 20190410 | 45,360円（本体42,000円） |
| IEC 61784-2 Ed. 4.0:2019 | Industrial communication networks - Profiles - Part 2: Additional fieldbus profiles for real-time networks based on ISO/IEC/IEEE 8802-3 | 工業用コミュニケーションネットワークープロファイルー第2部:ISO/IEC 8802-3に基づいたリアルタイムネットワークのための追加フィールドバスプロファイル | IEC 61784-2:2019 specifies the performance indicators supporting classification schemes for Real-Time Ethernet (RTE) requirements; the profiles and related network components based on ISO/IEC 8802-3 or IEEE 802.3, IEC 61158 series, and IEC 61784-1 and the RTE solutions that are able to run in parallel with ISO/IEC 8802-3 or IEEE 802.3 based applications. These communication profiles are called Real-Time Ethernet communication profiles. This fourth edition cancels and replaces the third edition published in 2014 and constitutes a technical revision. The main changes are: update of reference from ISO/IEC 8802-3 to ISO/IEC/IEEE 8802-3; update of the dated references to the IEC 61158 series, to IEC 61784 1, to the IEC 61784-5 series and to IEC 61918 throughout the document; update of selection tables for CPF 2, CPF 3, CPF 4, CPF 8 and CPF 17; CPF3: update of the requirements for all conformance classes; CPF3: updated timing requirements for IO devices; CPF3: refining the added application classes; addition of a new Communication Profile Family CPF 20 in Clause 21; addition of a new Communication Profile Family – CPF 21 in Clause 22 | 20190410 | 45,360円（本体42,000円） |

## 43 自動車工学

| 規格番号 | 原文標題 | 邦訳標題(参考訳) | 概要(英語) | 制定年月日 | 定価(本体価格) |
|---|---|---|---|---|---|
| IEC 60809 Amd.3 Ed. 3.0:2019 | Amendment 3 - Lamps for road vehicles - Dimensional, electrical and luminous requirements | 修正票3ー路上走行車用ランプー寸法,電気及び光度の要求事項 | | 20190329 | 5,184円（本体4,800円） |

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|---|---|---|---|---|---|
| IEC 60809 Ed. 3.3:2019 | Lamps for road vehicles – Dimensional, electrical and luminous requirements | 路上走行車用ランプ－寸法，電気及び光度の要求事項 | IEC 60809:2014+A1:2017+A2:2017+A3:2019 is applicable to replaceable and standardised lamps (filament lamps, discharge lamps and LED light sources) to be used in headlamps, fog-lamps and signalling lamps for road vehicles. In some applications, these lamps may be installed as non-replaceable. This third edition cancels and replaces the second edition (1995), its Amendment 1 (1996), its Amendment 2 (2002), its Amendment 3 (2004), its Amendment 4 (2009) and its Amendment 5 (2012). This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition:a) the introduction of requirements for non-replaceable filament lamps;b) the introduction of requirements for LED light sources.This consolidated version consists of the first edition (2014), its amendment 1 (2017) and its interpretation sheet (2017), its amendment 2 (2017) and its amendment 3 (2019). Therefore, no need to order amendment in addition to this publication. | 20190329 | 64,800円（本体60,000円） |

## 47 造船及び海洋構造物

| 規格番号 | 原文標題 | 邦訳標題(参考訳) | 概要(英語) | 制定年月日 | 定価(本体価格) |
|---|---|---|---|---|---|
| IEC 61892-1 Ed. 4.0:2019 | Mobile and fixed offshore units – Electrical installations – Part 1: General requirements and conditions | 可動式及び固定式海洋掘削装置－電気設備－第1部：一般要求事項及び条件 | IEC 61892-1:2019 is available as IEC 61892-1:2019 RLV which contains the International Standard and its Redline version, showing all changes of the technical content compared to the previous edition.IEC 61892-1:2019 is applicable to electrical installations and equipment in mobile and fixed offshore units, including pipeline, pumping or "pigging" stations, compressor stations and single buoy moorings, used in the offshore petroleum industry for drilling, production, accommodation, processing, storage and offloading purposes.It applies to all installations, whether permanent, temporary, transportable or hand-held, to AC installations and DC installations without any voltage level limitation. Referenced equipment standards may give voltage level limitations.This document specifies requirements such as those concerning. environmental conditions, power supply characteristics, location of electrical equipment in units, protection against external influences, protection against electrical shock, and ignition source control.This document gives information and guidance on topics such as cold climate protection, and surface treatment and protective painting system.This document does not apply to fixed equipment for medical purposes, electrical installations of tankers, and control of ignition sources other than those created by electrical equipment.This fourth edition cancels and replaces the third edition published in 2015. This edition constitutes a technical revision.This edition includes the following significant technical changes with respect to the previous edition:a) voltage limitations have been removed; b) definitions for fixed offshore units and mobile offshore units have been included;c) tables for ambient air temperature and relative humidity have been removed, | 20190409 | 25,920円（本体24,000円） |
| IEC 61892-1 Ed. 4.0:2019 RLV (Redline version) | Mobile and fixed offshore units – Electrical installations – Part 1: General requirements and conditions | 可動式及び固定式海洋掘削装置－電気設備－第1部：一般要求事項及び条件 | IEC 61892-1:2019 RLV contains both the official IEC International Standard and its Redline version. The Redline version is not an official document, it is available in English only and provides you with a quick and easy way to compare all the changes between the official IEC Standard and its previous edition.IEC 61892-1:2019 is applicable to electrical installations and equipment in mobile and fixed offshore units, including pipeline, pumping or "pigging" stations, compressor stations and single buoy moorings, used in the offshore petroleum industry for drilling, production, accommodation, processing, storage and offloading purposes.It applies to all installations, whether permanent, temporary, transportable or hand-held, to AC installations and DC installations without any voltage level limitation. Referenced equipment standards may give voltage level limitations.This document specifies requirements such as those concerning. environmental conditions, power supply characteristics, location of electrical equipment in units, protection against external influences, protection against electrical shock, and ignition source control.This document gives information and guidance on topics such as cold climate protection, and surface treatment and protective painting system.This document does not apply to fixed equipment for medical purposes, electrical installations of tankers, and control of ignition sources other than those created by electrical equipment.This fourth edition cancels and replaces the third edition published in 2015. This edition constitutes a technical revision.This edition includes the following significant technical changes with respect to the previous edition:a) voltage limitations have been removed;b) definitions for fixed offshore units and mobile offshore units have been included; | 20190409 | 33,696円（本体31,200円） |

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| IEC 61892-2 Ed. 3.0:2019 | Mobile and fixed offshore units - Electrical installations - Part 2: System design | 可動式及び固定式海洋掘削装置－電気設備－第2部：システム設計 | IEC 61892-2:2019 is applicable to system design of electrical installations and equipment in mobile and fixed offshore units including pipeline, pumping or "pigging" stations, compressor stations and single buoy moorings, used in the offshore petroleum industry for drilling, production, accommodation, processing, storage and offloading purposes.It applies to all installations, whether permanent, temporary, transportable or hand-held, to AC installations and DC installations, without any voltage level limitation. Referenced equipment standards may give voltage level limitations.This document specifies requirements such as those concerning. sources of electrical power for manned and unmanned units, system earthing, both for low-voltage and high-voltage installations, interface for electric transmission systems with power supplied from shore, between interconnected offshore units, and with power supplied by offshore units to subsea installations, distribution systems, cables and wiring systems, system studies and calculations, protection against electrical faults, lighting, energy control, monitoring and alarm systems, and turret/swivel.This document gives information and guidance on topics such as applicable examples of HVDC VSC technology, and guidelines for illumination level.This document does not apply to fixed equipment for medical purposes, electrical installations of tankers, and control of ignition sources other than those created by electrical equipment.This third edition cancels and replaces the second edition published in 2012. This edition constitutes a technical revision.This edition includes the following significant technical changes with respect to the previous edition:a) the requirement for sources of electrical power has been rewritten. | 20190409 | 41,472円（本体38,400円） |
| IEC 61892-3 Ed. 4.0:2019 | Mobile and fixed offshore units - Electrical installations - Part 3: Equipment | 可動式及び固定式海洋掘削装置－電気設備－第3部：機器 | IEC 61892-3:2019 is applicable to electrical equipment in mobile and fixed offshore units including pipeline, pumping or "pigging" stations, compressor stations and single buoy moorings, used in the offshore petroleum industry for drilling, production, accommodation, processing, storage and offloading purposes.It applies to all installations, whether permanent, temporary, transportable or hand-held, to AC installations and DC installations without any voltage level limitation. Referenced equipment standards may give voltage level limitations.This document specifies requirements such as those concerning enclosures, with regard to material, marking (nameplates and labels), ventilation, earthing, EMC and short-circuit rating of components, and specific requirements related to use in an offshore unit, such as generators and motors, transformers, switchgear and control gear assemblies, instrumentation of power sources, semiconductor converters, secondary cells and batteries, luminaires, communication equipment, control and instrumentation, and accessories for accommodation and similar areas.This document does not apply to fixed equipment for medical purposes, electrical installations of tankers, and control of ignition sources other than those created by electrical equipment.This fourth edition cancels and replaces the third edition published in 2012. This edition constitutes a technical revision.This edition includes the following significant technical changes with respect to the previous edition:a) the previous voltage limitations have been removed;b) Clause 4 has been completely rewritten, giving general requirements as to relevant electrical equipment;c) requirements concerning pyrotechnic fault current limiters have been added;d) requirements as to gas insulated switchgear have been added; | 20190409 | 34,992円（本体32,400円） |
| IEC 61892-4 Ed. 2.0:2019 | Mobile and fixed offshore units - Electrical installations - Part 4: Cables | 可動式及び固定式海洋掘削装置－電気設備－第4部：ケーブル | IEC 61892-4:2019 is applicable to the selection of electrical cables intended for fixed electrical systems in mobile and fixed offshore units, including pipeline, pumping or "pigging" stations, compressor stations and single buoy moorings, used in the offshore petroleum industry for drilling, production, accommodation, processing, storage and offloading purposes.This document specifies requirements such as those concerning types of cables, voltage rating of cables, cables and wiring for interconnection of equipment, current-carrying capacities for continuous service, correction factors for different ambient temperature and for short time duty, and short-circuit withstand capacity. This document also gives information on the jet fire test for hydrocarbon (HCF) fire resistant cables.The reference to fixed electrical systems includes those subjected to vibration due to the movement of the unit, for example, cables installed on a drag chain, and not those intended for repeated flexing. This document does not cover flexible cables, for example, those used on drilling decks for top-drive, or cables for portable equipment.This document is applicable for cables with a rated voltage up to and including 18/30 kV AC and makes reference to cable standards developed by SC 18A.For higher voltages, relevant standards developed by TC 20 are applicable.This document does not apply to optical fibre cables, sub-sea and umbilical cables;, cables supplying downhole pumps, and data, telecommunication and radio frequency cables.This second edition cancels and replaces the first edition published in 2007. This edition constitutes a technical revision.This edition includes the following significant technical changes with respect to the previous edition:a) construction requirements for cables have been removed; reference is made to relevant standards from Subcommittee (SC) 18A; | 20190409 | 18,144円（本体16,800円） |

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| IEC 61892-5 Ed. 4.0:2019 | Mobile and fixed offshore units - Electrical installations - Part 5: Mobile units | 可動式及び固定式海洋掘削装置－電気設備－第5部：可動式掘削装置 | IEC 61892-5:2019 specifies additional characteristics for electrical installations in mobile units.It applies to installations that depend on buoyancy, such as column-stabilized units (semi-submersible units), ship- or barge-type units as well as self-elevating units. It specifies additional characteristics for such units, used during transfer from one location to another and for drilling, production, accommodation, processing, storage and offloading purposes.It applies to all installations, whether permanent, temporary, transportable or hand-held, to AC installations and DC installations without any limitation on voltage level. Referenced equipment standards may give voltage level limitations.This document specifies requirements such as those concerning. environmental conditions, limits of inclination for the unit where the equipment is required to operate, bilge pumps, navigation and obstruction lights, steering gear, ballast system, jacking systems, and anchoring systems.or electric propulsion, reference is made to IEC 60092-501.For dynamic positioning systems, reference is made to relevant IMO requirements.This document does not apply to fixed equipment for medical purposes, electrical installations of tankers, and control of ignition sources other than those created by electrical equipment.This fourth edition cancels and replaces the third edition published in 2014. This edition constitutes a technical revision.This edition includes the following significant technical change with respect to the previous edition:a) the technical requirements as to electric propulsion have been replaced with a reference to IEC 60092-501:2013;b) the requirement for handrails on main and emergency switchboards has been added; | 20190409 | 22,032円（本体20,400円） |
| IEC 61892-6 Ed. 4.0:2019 | Mobile and fixed offshore units - Electrical installations - Part 6: Installation | 可動式及び固定式海洋掘削装置－電気設備－第6部：設置 | IEC 61892-6:2019 provides specific requirements for the installation of electrical equipment in mobile and fixed offshore units, including pipeline, pumping or "pigging" stations, compressor stations and single buoy moorings, used in the offshore petroleum industry for drilling, production, accommodation, processing, storage and offloading purposes.It applies to all installations, whether permanent, temporary, transportable or hand-held, to AC installations and DC installations without any voltage level limitation. Referenced equipment standards may give voltage level limitations.This document specifies requirements such as those concerning. protection during equipment storage and in the installation period, installation of generators and motors, installation of transformers, installation of switchgear and controlgear assemblies, installation of semiconductor converters and UPS, installation of secondary cells and batteries, installation of luminaires, installation of heating and cooking appliances, installation of trace and surface heating, installation of cables and wiring, both low-voltage and high-voltage cables, requirements in relation to earthing and bonding, lightning protection;, testing of completed installation, and documentation.This document does not apply to fixed equipment for medical purposes, electrical installations of tankers, and control of ignition sources other than those created by electrical equipment.This fourth edition cancels and replaces the third edition published in 2013. This edition constitutes a technical revision.This edition includes the following significant technical changes with respect to the previous edition:a) requirements for protection during equipment storage have been added; | 20190409 | 31,104円（本体28,800円） |
| IEC 61892-7 Ed. 4.0:2019 | Mobile and fixed offshore units - Electrical installations - Part 7: Hazardous areas | 可動式及び固定式海洋掘削装置－電気設備－第7部：危険場所 | IEC 61892-7:2019 provides requirements for hazardous area classification and selection of electrical equipment and installation in hazardous areas in mobile and fixed offshore units, including pipeline, pumping or "pigging" stations, compressor stations and single buoy moorings, used in the offshore petroleum industry for drilling, production, accommodation, processing, storage and offloading purposes.It applies to all installations, whether permanent, temporary, transportable or personal, to AC installations and DC installations without any voltage level limitation. Referenced equipment standards may give voltage level limitations.This document is based on the requirements of International Standards developed by IEC TC 31 regarding area classification and requirements as to installations in hazardous areas and gives additional requirements for installations on mobile and fixed offshore units.This document specifies requirements such as those concerning. area classification, electrical systems, selection of electrical equipment, cables and wiring systems, ventilation, ventilation requirement for battery compartments, and inspection, maintenance, repair and overhaul.This document gives information on topics such as gas detection systems, and electrical installations in extremely low ambient temperatures.This document does not apply to fixed equipment for medical purposes, electrical installations of tankers, and control of ignition sources other than those created by electrical equipment.This fourth edition cancels and replaces the third edition published in 2014. This edition constitutes a technical revision.This edition includes the following significant technical changes with respect to the previous edition:a) the document has been completely rewritten. | 20190409 | 34,992円（本体32,400円） |

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| IEC/IEEE 80005-1 Ed. 2.0:2019 | Utility connections in port - Part 1: High voltage shore connection (HVSC) systems - General requirements | 港内のユーティリティ接続－第1部：高電圧陸上接続(HVSC)システム－－一般要求事項 | IEC/IEEE 80005-1:2019 is available as IEC/IEEE 80005-1:2019 RLV which contains the International Standard and its Redline version, showing all changes of the technical content compared to the previous edition.IEC/IEEE 80005-1:2019 describes high-voltage shore connection (HVSC) systems, onboard the ship and on shore, to supply the ship with electrical power from shore. This document is applicable to the design, installation and testing of HVSC systems and addresses: HV shore distribution systems, shore-to-ship connection and interface equipment, transformers/reactors, semiconductor/rotating frequency convertors, ship distribution systems, and control, monitoring, interlocking and power management systems.It does not apply to the electrical power supply during docking periods, for example dry docking and other out of service maintenance and repair. Additional and/or alternative requirements can be imposed by national administrations or the authorities within whose jurisdiction the ship is intended to operate and/or by the owners or authorities responsible for a shore supply or distribution system. It is expected that HVSC systems will have practicable applications for ships requiring 1 MVA or more or ships with HV main supply. Low-voltage shore connection systems are not covered by this document. This second edition cancels and replaces the first edition published in 2012. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition:a) modification of 4.1, Figure 1: transformer on ship is optional, earthing switches on ship removed;b) 4.2.2 and new item 11.3: alternative procedure of periodic testing added;c) modification of 4.9: minimum current value in the safety circuits shall be 50 mA; | 20190318 | 38,880円（本体36,000円） |
| IEC/IEEE 80005-1 Ed. 2.0:2019 RLV (Redline version) | Utility connections in port - Part 1: High voltage shore connection (HVSC) systems - General requirements | 港内のユーティリティ接続－第1部：高電圧陸上接続(HVSC)システム－－一般要求事項 | IEC/IEEE 80005-1:2019 RLV contains both the official IEC International Standard and its Redline version. The Redline version is not an official document, it is available in English only and provides you with a quick and easy way to compare all the changes between the official IEC Standard and its previous edition.IEC/IEEE 80005-1:2019 describes high-voltage shore connection (HVSC) systems, onboard the ship and on shore, to supply the ship with electrical power from shore. This document is applicable to the design, installation and testing of HVSC systems and addresses: HV shore distribution systems, shore-to-ship connection and interface equipment, transformers/reactors, semiconductor/rotating frequency convertors, ship distribution systems, and control, monitoring, interlocking and power management systems.It does not apply to the electrical power supply during docking periods, for example dry docking and other out of service maintenance and repair. Additional and/or alternative requirements can be imposed by national administrations or the authorities within whose jurisdiction the ship is intended to operate and/or by the owners or authorities responsible for a shore supply or distribution system. It is expected that HVSC systems will have practicable applications for ships requiring 1 MVA or more or ships with HV main supply. Low-voltage shore connection systems are not covered by this document. This second edition cancels and replaces the first edition published in 2012. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition:a) modification of 4.1, Figure 1: transformer on ship is optional, earthing switches on ship removed;b) 4.2.2 and new item 11.3: alternative procedure of periodic testing added; | 20190318 | 50,544円（本体46,800円） |

## 71 化学技術

| 規格番号 | 原文標題 | 邦訳標題(参考訳) | 概要(英語) | 制定年月日 | 定価(本体価格) |
|---|---|---|---|---|---|
| IEC 61010-1 Amd.1 Ed. 3.0 b Cor.1:2019 | Corrigendum 1 - Amendment 1 - Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements | 正誤票1－修正票1－計測，制御及び試験所使用電気機器の安全要求事項－第1部：一般要求事項 | | 20190321 | - |

## 97 家庭用及び商業用装置．娯楽．スポーツ

| 規格番号 | 原文標題 | 邦訳標題(参考訳) | 概要(英語) | 制定年月日 | 定価(本体価格) |
|---|---|---|---|---|---|
| IEC 60335-2-17 Amd.2 Ed. 3.0:2019 | Amendment 2 - Household and similar electrical appliances - Safety - Part 2-17: Particular requirements for blankets, pads, clothing and similar flexible heating appliances | 修正票2－家庭用及び類似用途の電気機器－安全性－第2-17部：毛布，パッド，衣類及び類似の柔軟な暖房機器の特定要求事項 | | 20190322 | 1,296円（本体1,200円） |

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|---|---|---|---|---|---|
| IEC 60335-2-17 Ed. 3.2:2019 | Household and similar electrical appliances - Safety - Part 2-17: Particular requirements for blankets, pads, clothing and similar flexible heating appliances | 家庭用及び類似用途の電気機器－安全性－第2-17部：毛布，パッド，衣類及び類似の柔軟な暖房機器の特定要求事項 | IEC 60335-2-17:2012+A1:2015+A2:2019 deals with the safety of electric blankets, pads, clothing and other flexible appliances that heat the bed or human body, for household and similar purposes, their rated voltage being not more than 250 V. This standard also applies to control units supplied with the appliance. Appliances not intended for normal household use but which nevertheless may be a source of danger to the public, such as appliances intended to be used in beauty parlours or by persons in cold ambient temperatures, are within the scope of this standard. As far as is practicable, this standard deals with the common hazards presented by appliances that are encountered by all persons in and around the home. However, in general, it does not take into account persons (including children) whose physical, sensory or mental capabilities or lack of experience and knowledge prevents them from using the appliance safely without supervision or instruction or children playing with the appliance. This third edition cancels and replaces the second edition published in 2002 including its Amendment 1 (2006) and its Amendment 2 (2008). It constitutes a technical revision. The principal changes in this edition as compared with the second edition are as follows (minor changes are not listed): The definition of PTC heating element has been deleted and the definition in Part 1 now applies. A definition of a heating element with PTC characteristics has been introduced instead (3.117). This has resulted in editorial changes to 5.7, 5.8.2, 7.1, 10.101, 11.2, 21.105, 21.111.1 and 21.112. The allowance for class I appliances has been deleted and requirements for appliances incorporating a functional earth have been incorporated (6.1, 7.1, 22.115). The working voltage of parts of class III construction is limited to 24 V (22.26). | 20190322 | 51,840円（本体48,000円） |
| IEC 60335-2-23 Ed. 6.1:2019 | Household and similar electrical appliances - Safety - Part 2-23: Particular requirements for appliances for skin or hair care | 家庭用及び類似の電気機器－安全性－第2-23部：皮膚又は頭髪の手入れ用機器の特定要求事項 | IEC 60335-2-23:2016+A1:2019 deals with the safety of electric appliances for the care of skin or hair of persons or animals and intended for household and similar purposes, their rated voltage being not more than 250 V. Examples of appliances that are within the scope of this standard are: curling combs; curling irons; curling rollers with separate heaters; facial saunas; hairdryers; hair straighteners; hand dryers; heaters for detachable curlers and permanent-wave appliances. Appliances covered by this standard may incorporate steam-producing or spray-producing devices. Appliances not intended for normal household use but that nevertheless may be a source of danger to the public, such as appliances intended to be used by laymen in shops, in light industry and on farms, are within the scope of this standard. This standard deals with the reasonably foreseeable hazards presented by appliances that are encountered by all persons. However, in general, it does not take into account persons (including children) whose physical, sensory or mental capabilities; or lack of experience and knowledge prevents them from using the appliance safely without supervision or instruction; children playing with the appliance. This standard does not apply to: appliances intended exclusively for industrial purposes; appliances intended to be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapour or gas); shavers, hair clippers and similar appliances; blankets, pads, clothing and similar flexible heating appliances; appliances for skin exposure to optical radiation; sauna heating appliances; cosmetic and beauty care appliances incorporating lasers and intense light sources or appliances intended for medical purposes. | 20190327 | 25,920円（本体24,000円） |
| IEC 60335-2-23 Amd.1 Ed. 6.0:2019 | Amendment 1 - Household and similar electrical appliances - Safety - Part 2-23: Particular requirements for appliances for skin or hair care | 修正票1－家庭用及び類似の電気機器－安全性－第2-23部：皮膚又は頭髪の手入れ用機器の特定要求事項 | | 20190327 | 2,592円（本体2,400円） |
| IEC 60335-2-29 Ed. 5.1:2019 | Household and similar electrical appliances - Safety - Part 2-29: Particular requirements for battery chargers | 家庭用及び類似用途の電気機器－安全性－第2-29部：充電器の特定要求事項 | IEC 60335-2-29:2016+A1:2019 deals with the safety of electric battery chargers for household and similar use having an output not exceeding 120 V ripple-free direct current, their rated voltage being not more than 250 V. Battery chargers intended for charging batteries in a household end use application outside the scope of the IEC 60335 series of standards are within the scope of this standard. Requirements for battery chargers for use by children at least 8 years old without supervision are given in Annex AA. Battery chargers not intended for normal household use, but which nevertheless may be a source of danger to the public, such as battery chargers intended for use in garages, shops, light industry and on farms, are within the scope of this standard. As far as is practicable, this standard deals with the common hazards presented by appliances that are encountered by all persons in and around the home. However, in general, it does not take into account persons (including children) whose physical, sensory or mental capabilities; or lack of experience and knowledge prevents them from using the appliance safely without supervision or instruction; children playing with the appliance. This standard does not apply to built-in: battery chargers, except those for installing in caravans and similar vehicles; battery chargers that are part of an appliance, the battery of which is not accessible to the user; battery chargers intended exclusively for industrial purposes; battery chargers intended to be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapour or gas); battery chargers for emergency lighting or supply units for electronic equipment. | 20190329 | 25,920円（本体24,000円） |
| IEC 60335-2-29 Amd.1 Ed. 5.0:2019 | Amendment 1 - Household and similar electrical appliances - Safety - Part 2-29: Particular requirements for battery chargers | 修正票1－家庭用及び類似用途の電気機器－安全性－第2-29部：充電器の特定要求事項 | | 20190329 | 2,592円（本体2,400円） |
| IEC 60335-2-54 Amd.2 Ed. 4.0:2019 | Amendment 2 - Household and similar electrical appliances - Safety - Part 2-54: Particular requirements for surface-cleaning appliances for household use employing liquids or steam | 修正票2－家庭用及び類似用途の電気機器－安全性－第2-54部：液体又は蒸気を使用する家庭用床洗浄機器の特定要求事項 | | 20190322 | 1,296円（本体1,200円） |

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| IEC 60335-2-54 Ed. 4.2:2019 | Household and similar electrical appliances – Safety – Part 2-54: Particular requirements for surface-cleaning appliances for household use employing liquids or steam | 家庭用及び類似用途の電気機器－安全性－第2-54部：液体又は蒸気を使用する家庭用床洗浄機器の特定要求事項 | IEC 60335-2-54:2008+A1:2015+A2:2019 deals with the safety of electric cleaning appliances for household use that are intended for cleaning surfaces such as windows, walls and empty swimming pools by using liquid cleansing agents or steam, their rated voltage being not more than 250 V. It also covers wallpaper strippers. The principal change in this edition as compared with the third edition of IEC 60335-2-54 is as follows: The scope has been further restricted to cover appliances where the product of pressure (in MPa) and container volume (in l) does not exceed 5. This consolidated version consists of the fourth edition (2008), its amendment 1 (2015) and its amendment 2 (2019). Therefore, no need to order amendment in addition to this publication. | 20190322 | 25,920円（本体24,000円） |
| IEC 60730-2-14 Amd.1 Ed. 2.0:2019 | Amendment 1 – Automatic electrical controls – Part 2-14: Particular requirements for electric actuators | 修正票1－自動電気制御装置－第2-14部：電気アクチュエータの特定要求事項 | | 20190322 | 2,592円（本体2,400円） |
| IEC 60730-2-14 Ed. 2.1:2019 | Automatic electrical controls – Part 2-14: Particular requirements for electric actuators | 自動電気制御装置－第2-14部：電気アクチュエータの特定要求事項 | IEC 60730-2-14:2017+A1:2019 applies to electric actuators for use in, on, or in association with equipment for household and similar use. The equipment may use electricity, gas, oil, solid fuel, solar thermal energy, etc., or a combination thereof. This International Standard is applicable to controls for building automation within the scope of ISO 16484. This part 2-14 also applies to automatic electrical controls for equipment that may be used by the public, such as equipment intended to be used in shops, offices, hospitals, farms and commercial and industrial applications.<br>EXAMPLE Controls for commercial catering, heating and air-conditioning equipment. Electric actuators for appliances are within the scope of IEC 60335. This second edition cancels and replaces the first edition, published in 1995, its Amendment 1 (2001) and its Amendment 2 (2007). This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: adapting it to the 5th Ed of IEC 60730-1, addition of checking electric actuators with action 1.AB or 2AB, and modification of tests under abnormal condition. This Part 2-14 is intended to be used in conjunction with IEC 60730-1. It was established on the basis of the 5th edition of that standard (2013). Consideration may be given to future editions of, or amendments to, IEC 60730-1. This part 2-14 supplements or modifies the corresponding clauses in IEC 60730-1, so as to convert that publication into the IEC standard: Particular requirements for electric actuators. Where this part 2-14 states ""addition"", ""modification"" or ""replacement"", the relevant requirement, test specification or explanatory matter in part 1 should be adapted accordingly. | 20190322 | 25,920円（本体24,000円） |