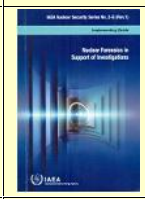
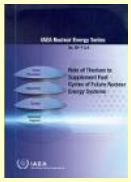
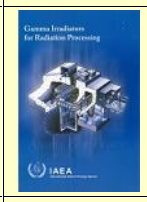
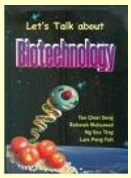
SENARAI PEROLEHAN BAHAN PERPUSTAKAAN
AGENSI NUKLEAR MALAYSIA
MEI 2018

KOLEKSI BUKU / MONOGRAF

BIL	KULIT	JUDUL / PENGARANG	PENERBIT	TAHUN	ISBN	JUMLAH NASKHAH
1		MERAKYATKAN PERKHIDMATAN AWAM : KOLEKSI YCAPAN KETUA SETIAUSAHA NEGARA DALAM BAHASA MELAYU (2012-2015)	PEJABAT KSN JABATAN PERDANA MENTERI	2016	9789671444726	1
2		HUMANISING THE PUBLIC SERVICE : A COMPILATION OF SPEECHES BY THE CHIEF SECRETARY TO THE GOVERNMENT IN ENGLISH (2012-2016)	OFFICE OF THE CHIEF SECRETARY TO THE GOVERNMENT PRIME MINISTER DEPARTMENT	2016	9789571444719	1
3		NUCLEAR FORENCICS IN SUPPORT OF INVESTIGATIONS : IMPLEMTING GUIDE	IAEA	2015	9789201021151	1
4		NUCLEAR TECHNOLOGY REVIEW 2017	IAEA	2017		1
5.		UNDANG-UNDANG MALAYSIA AKTA 768 : AKTA TEKNOLOGIS DAN JURUTEKNIK 2015	PERCETAKAN NASIONAL	2015		1
6.		NUCLEAR TECHNOLOGY REVIEW 2016	IAEA	2016		1
7.		DASAR PERBANDARAN NEGARA KEDUA	JABATAN PERANCANG BANDAR DAN DESA SEMENANJUNG MALAYSIA	2016	9789671281239	1
8.		ENVIRONMENTAL ESSENTIALS FOR SITING OF INDUSTRIES IN MALAYSIA	DEPARTMENT OF ENVIRONMENTAL MINISTTRY OF NATURAL RESOURCES AND ENVIRONMENT MALAYSIA	2017	9789833895001	1

BIL	KULIT	JUDUL / PENGARANG	PENERBIT	TAHUN	ISBN	JUMLAH NASKHAH
9.		ENVIRONMENTAL IMPACT ASSESSMENT GUIDELINE IN MALAYSIA	DEPARTMENT OF ENVIRONMENTAL MINISTTRY OF NATURAL RESOURCES AND ENVIRONMENT MALAYSIA	2016	9789833895489	1
10.		ROLE OF THORIUM TO SUPPLEMENT FUEL CYCLES OF FUTURE NUCLEAR ENERGY SYSTEMS	IAEA	2012	9789201259103	1
11.		GAMMA IRRADIATIORS FOR RADIATION PROCESSING	IAEA	2005	8390969068	1
12.		LET'S TALK ABOUT BIOTECHNOLOGY	NATIONAL BIOTECHNOLOGY DIRECTORATE	2003	9831777697	1
13.		BERITA HASIL	LEMBAGA HASIL DALAM NEGERI	3/2017	9789839827330	4
14.		WORLD DISTRIBUTION OF URANIUM DEPOSITS (UDEPO) WITH URANIUM DEPOSIT CLASSIFICATION	IAEA	2009	9789201105097	1

SENARAI PEROLEHAN BAHAN PERPUSTAKAAN
AGENSI NUKLEAR MALAYSIA
MEI 2018

NUKLEAR MALAYSIA

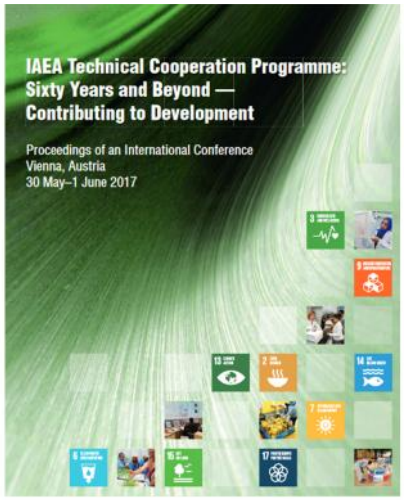
KOLEKSI BULETIN / MAJALAH / JURNAL (SERIAL)

BIL	KULIT	JUDUL / BAHAN	PENERBIT	KELUARAN/ISU				BIL / NASKHAH
				VOL	NO. ISU	BULAN	TAHUN	
1		THE PETRI DISH	Malaysian Biotechnology, Imformation Centre Monash University Malaysia			JAN	2018	2
2		THE PETRI DISH	Malaysian Biotechnology, Imformation Centre Monash University Malaysia			FEB	2018	2

BIL	KULIT	JUDUL / BAHAN	PENERBIT	KELUARAN/ISU				BIL / NASKHAH
				VOL	NO. ISU	BULAN	TAHUN	
3.		THE PETRI DISH	Malaysian Biotechnology, Imformation Centre Monash University Malaysia			MAC	2018	2
4.		THE PETRI DISH	Malaysian Biotechnology, Imformation Centre Monash University Malaysia			APR	2018	2
5.		DEWAN MASYARAKAT	DEWAN BAHASA DAN PUSTAKA			APR	2018	1
6.		DEWAN MASYARAKAT	DEWAN BAHASA DAN PUSTAKA			MEI	2018	1
7.		DEWAN KOSMIK	DEWAN BAHASA DAN PUSTAKA			APR	2018	2
8.		DEWAN KOSMIK	DEWAN BAHASA DAN PUSTAKA			MEI	2018	2
9.		READER'S DIGEST	RD ASIA PTE LTD			MEI	2018	2
10.		SOLUSI	TELAGA BIRU		114		2018	2
11.		WANITA	UTUSAN MELAYU			MEI	2018	2
12.		AL ISLAM	UTUSAN MELAYU		531	MEI	2018	2
13.		MEXT NUCLEAR FELLOW NEWS : THE NUCLEAR RESEARCHERS EXCHANGE PROGRAM	NUCLEAR SAFETY RESEARCH ASSOCIATION JAPAN	14		MAR.	2018	9

BIL	KULIT	JUDUL / BAHAN	PENERBIT	KELUARAN/ISU				BIL / NASKHAH
				VOL	NO. ISU	BULAN	TAHUN	
14.		CERN YELLOW REPORTS : SCHOOL PROCEEDINGS : INTENSITY LIMITATIONS IN PARTICLE BEAMS	CERN GENEVA	3			2017	1
15.		CERN YELLOW REPORTS : SCHOOL PROCEEDINGS : PROCEEDINGS OF THE 2014 ASIA-EUROPE-PACIFIC SCHOOL OF HIGH-ENERGY PHYSICS	CERN GENEVA	2			2017	1
16.		CERN YELLOW REPORTS : MONOGRAPHS : PHYSICS AT THE FCC-hh, a 100 TeV pp COLLIDER	CERN GENEVA	3			2017	1
17.		CERN YELLOW REPORTS : MONOGRAPHS : HIGH-LUMINOSITY LARGE HADRON COLLIDER (HL-LHC) Technical Design Report V.O.1	CERN GENEVA	4			2017	1

TERBITAN IAEA YANG TERKINI (MEI 2018)



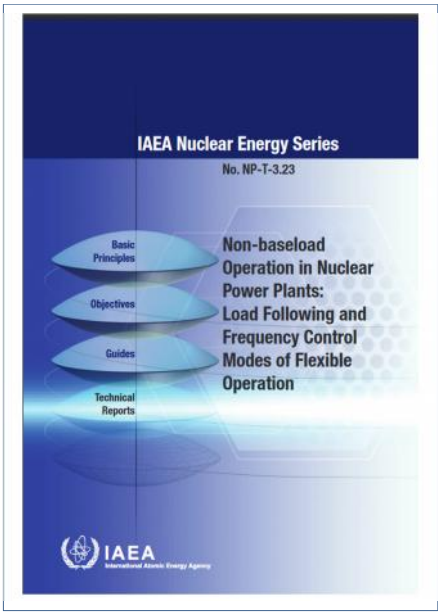
IAEA Technical Cooperation Programme: Sixty Years and Beyond — Contributing to Development
Proceedings of an International Conference Held in Vienna, 30 May–1 June 2017

Proceedings Series - International Atomic Energy Agency

Subject Classification: 9999-All fields
STI/PUB/1802; (ISBN:978-92-0-100318-8); 100 pp.; 33 figures; € 36.00;
Date Published: 2018

These proceedings detail how the TC programme has contributed to the establishment of national nuclear infrastructure and capabilities in Member States over six decades, in support of their national development priorities. The publication also presents examples of successful partnerships and looks to the future regarding appropriate approaches and concrete measures that will help countries to maximize their use of nuclear science and technology in achieving their development goals, including sustainable development goal targets. Key thematic areas covered include the application of nuclear science and technology in human health and nutrition, food and agriculture, water and the environment, radiation technology, energy and safety. Common issues relating to regional collaboration and networking are presented, as is the IAEA and Member States' approach to building lasting and mutually beneficial partnerships.

https://www-pub.iaea.org/MTCD/Publications/PDF/STIPUB1802_web.pdf



Non-baseload Operation in Nuclear Power Plants: Load Following and Frequency Control Modes of Flexible Operation

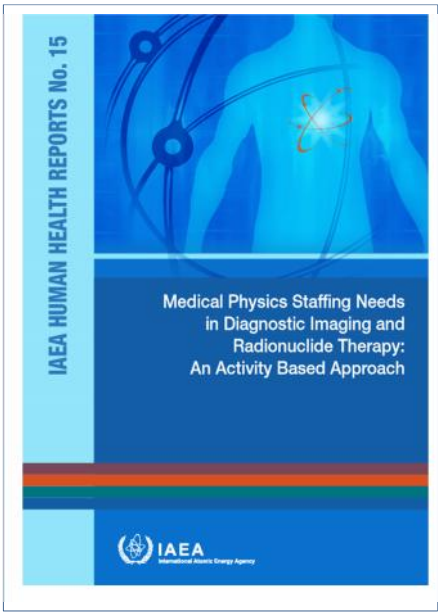
IAEA Nuclear Energy Series No. NP-T-3.23

Subject Classification: 0702-Nuclear power operations

STI/PUB/1756; (ISBN:978-92-0-110816-6); 173 pp.; 62 figures; € 40.00;
Date Published: 2018

This publication aims to address all relevant aspects of flexible (non-baseload) operation of nuclear power plants (NPPs) specifically focusing on changing electrical output to match the electrical demand and to control the frequency of the electrical system. It provides collective guidance based on current knowledge and operational experience, for the decision making, preparation and implementation of flexible operation for Member States who are considering future flexible operations of their NPPs.

https://www-pub.iaea.org/MTCD/Publications/PDF/P1756_web.pdf



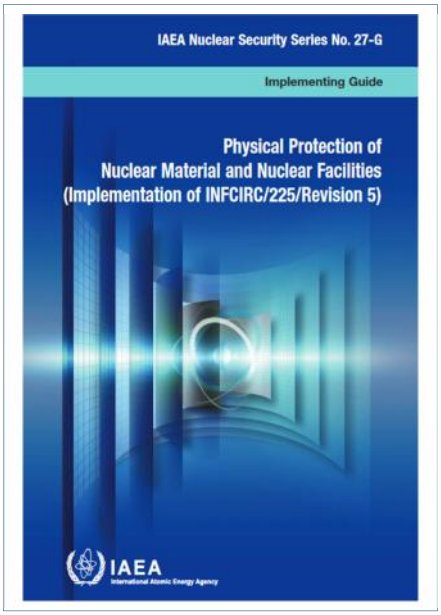
Medical Physics Staffing Needs in Diagnostic Imaging and Radionuclide Therapy: An Activity Based Approach

IAEA Human Health Reports No. 15

Subject Classification: 0103-Medical physics (including dosimetry)

Over the last decades, the rapid technological development of diagnostic and interventional radiology and nuclear medicine has made them major tools of modern medicine. However, at the same time the involved risks, the growing number of procedures and the increasing complexity of the procedures require competent professional staff to ensure safe and effective patient diagnosis, treatment and management. Medical physicists (or clinically qualified medical physicists) have been recognized as vital health professionals with important and clear responsibilities related to quality and safety of applications of ionizing radiation in medicine. This publication describes an algorithm developed to determine the recommended staffing levels for clinical medical physics services in medical imaging and radionuclide therapy, based on current best practice, as described in international guidelines.

https://www-pub.iaea.org/MTCD/Publications/PDF/PUB1797_web.pdf



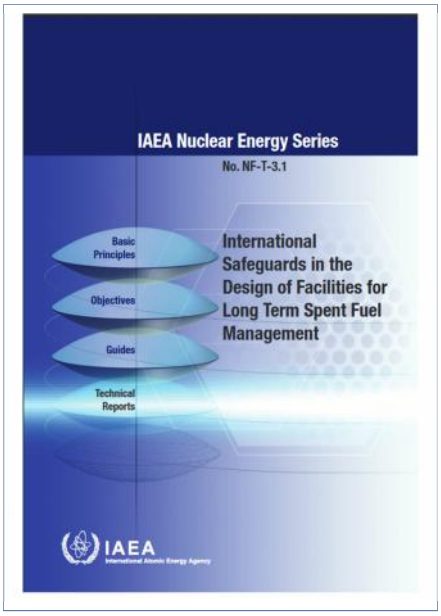
Physical Protection of Nuclear Material and Nuclear Facilities (Implementation of INFCIRC/225/Revision 5)

IAEA Nuclear Security Series No. 27-G

Subject Classification: 1400-Physical protection of radioactive material

This publication is the lead Implementing Guide in a suite of guidance on implementing the Nuclear Security Recommendations on Physical Protection of Nuclear Material and Nuclear Facilities (INFCIRC/225/Revision 5), IAEA Nuclear Security Series No. 13. It provides guidance and suggestions to assist States and their competent authorities in establishing, strengthening and sustaining their national physical protection regime and implementing the associated systems and measures, including operators' physical protection systems.

https://www-pub.iaea.org/MTCD/Publications/PDF/PUB1760_web.pdf



International Safeguards in the Design of Facilities for Long Term Spent Fuel Management Technical Reports

IAEA Nuclear Energy Series No. NF-T-3.1

Subject Classification: 1000-Safeguards

This publication is the fifth in the IAEA Nuclear Energy Series to provide guidance on the inclusion of safeguards in nuclear facility design and construction. It is principally intended for designers and operators of facilities for long term spent fuel management; however, vendors, national authorities and financial backers can also benefit from the information provided. The publication complements the general considerations addressed in International Safeguards in Nuclear Facility Design and Construction, IAEA Nuclear Energy Series No. NP-T-2.8.

https://www-pub.iaea.org/MTCD/Publications/PDF/PUB1767_web.pdf

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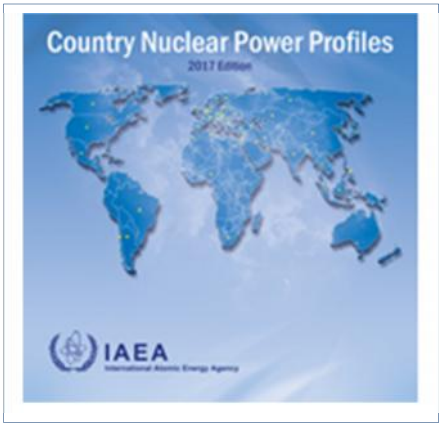
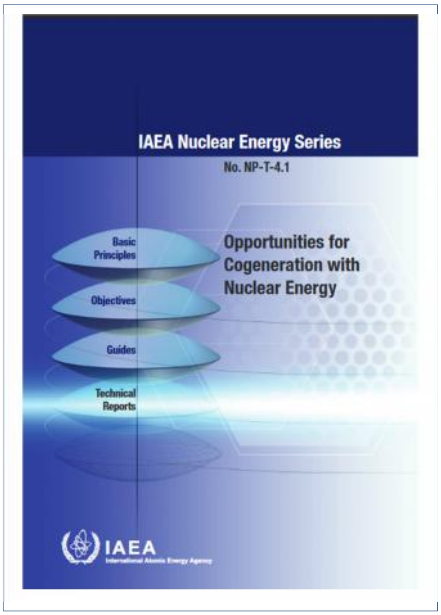


Country Nuclear Power Profiles
2017 Edition
Non-serial Publications
Subject Classification: 0700-Nuclear power
READ ONLINE

The Country Nuclear Power Profiles (CNPP) publication compiles background information on the status and development of nuclear power programmes across participating International Atomic Energy Agency (IAEA) Member States. The publication summarizes organizational and industrial aspects of nuclear power programmes and provides information about the relevant legislative, regulatory and international framework in each State. The descriptive and statistical overview of the economic, energy and electricity situation in each State and its nuclear power framework is intended to serve as an integrated source of key background information about nuclear power programmes throughout the world. This 2017 edition, issued on CD-ROM and available online at https://www-pub.iaea.org/books/IAEABooks/12350/Country-Nuclear-Power-Profiles, contains updated country information for 50 States.

IAEA-CNPP/2017/CD; (ISBN:978-92-0-150818-8); 0 pp.; 0 figures; € 95.00;
Date Published: 2018

https://www-pub.iaea.org/books/IAEABooks/12350/Country-Nuclear-Power-Profiles



Opportunities for Cogeneration with Nuclear Energy

IAEA Nuclear Energy Series No. NP-T-4.1

Subject Classification: 0700-Nuclear power

STI/PUB/1749; (ISBN:978-92-0-103616-2); 91 pp.; 32 figures; € 58.00; Date Published: 2017

This publication presents a comprehensive overview of various aspects relating to the application of cogeneration with nuclear energy, which may offer advantages such as increased efficiency, better cost effectiveness, and reduced environmental impact. The publication provides details on experiences, best practices and expectations for the foreseeable future of cogeneration with nuclear power technology and serves as a guide that supports newcomer countries. It includes information on systems and applications in various sectors, feasibility aspects, technical and economic details, and case studies.

https://www-pub.iaea.org/MTCD/Publications/PDF/P1749_web.pdf

Nuclear Power Reactors in the World

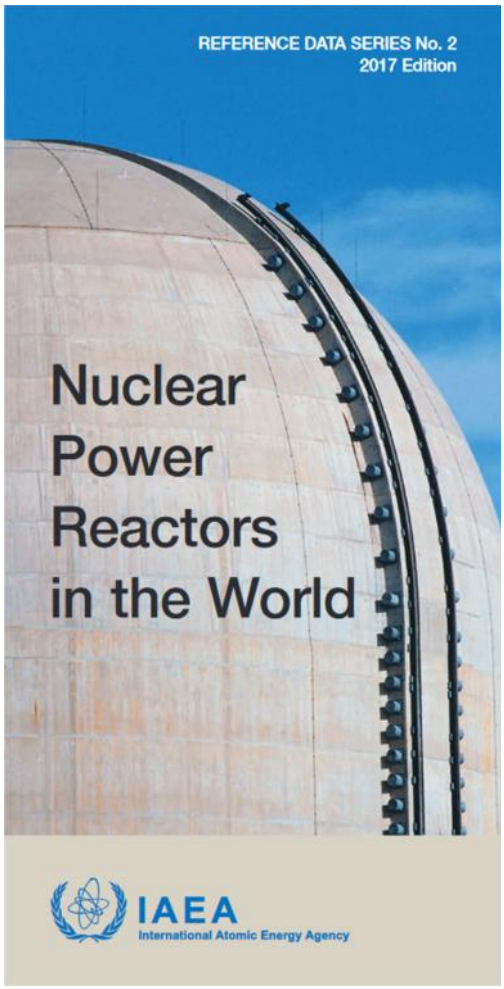
2017 Edition

Reference Data Series No. 2

Subject Classification: 0700-Nuclear power

IAEA-RDS-2/37; (ISBN:978-92-0-104017-6); 79 pp.; 6 figures; € 18.00; Date Published: 2017

This is the 37th edition of Reference Data Series No. 2, which presents the most recent reactor data available to the IAEA. It contains summarized information as of the end of 2016 on power reactors operating, under construction and shut down as well as performance data on reactors operating in the IAEA Member States. The information is collected through designated national correspondents in the Member States and the data are used to maintain the IAEA's Power Reactor Information System (PRIS).



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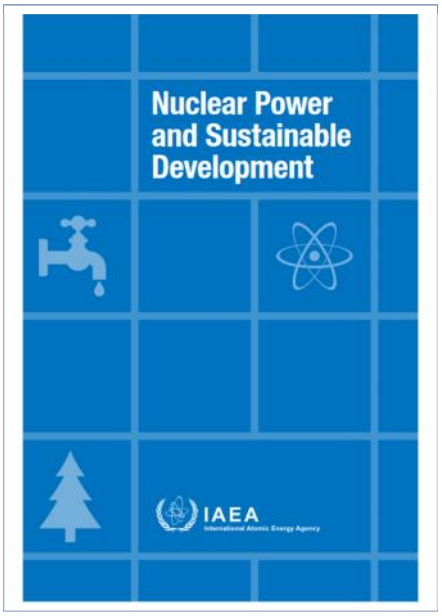


Nuclear Power and Sustainable Development

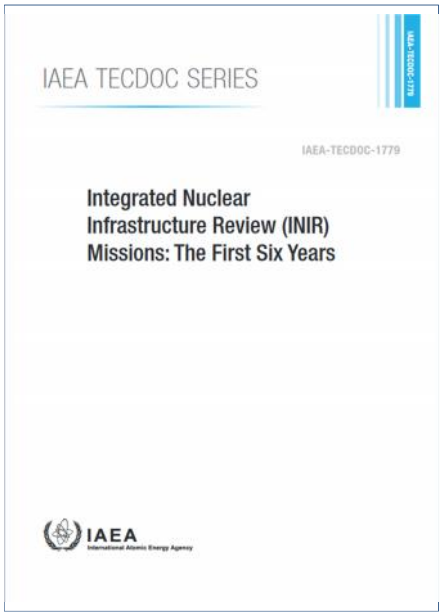
Non-serial Publications

Subject Classification: 0700-Nuclear power

STI/PUB/1754; (ISBN:978-92-0-107016-6); 116 pp.; 31 figures; € 45.00; Date Published: 2016

Transforming the energy system is at the core of the dedicated sustainable development goal on energy within the new United Nations development agenda. This publication explores the possible contribution of nuclear energy to addressing the issues of sustainable development through a large selection of indicators. It reviews the characteristics of nuclear power in comparison with alternative sources of electricity supply, according to economic, social and environmental pillars of sustainability. The findings summarized in this publication will help the reader to consider, or reconsider, the contribution that can be made by the development and operation of nuclear power plants in contributing to more sustainable energy systems.

https://www-pub.iaea.org/MTCD/Publications/PDF/Pub1754web-26894285.pdf



Integrated Nuclear Infrastructure Review (INIR) Missions: The First Six Years

IAEA TECDOC No. 1779

Subject Classification: 0700-Nuclear power

IAEA-TECDOC-1779; (ISBN:978-92-0-110615-5); 52 pp.; 0 figures; € 18.00; Date Published: 2015

The IAEA Integrated Nuclear Infrastructure Review (INIR) missions are designed to assist Member States in evaluating the status of their national infrastructure for the introduction of a nuclear power programme. From 2009 to 2014, fourteen IAEA INIR missions and follow-up activities were conducted in nine countries planning to implement a nuclear power programme and one country expanding an existing programme. During this time considerable experience was gained and this has been used to continuously improve the overall INIR methodology. This publication summarizes the results of the missions and highlights the most significant areas where recommendations were made.

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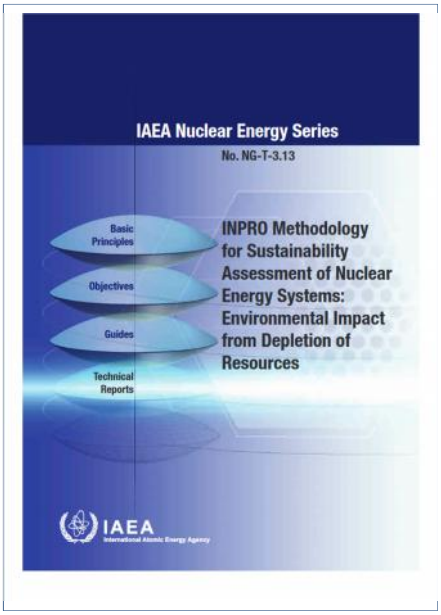


INPRO Methodology for Sustainability Assessment of Nuclear Energy Systems: Environmental Impact from Depletion of Resources

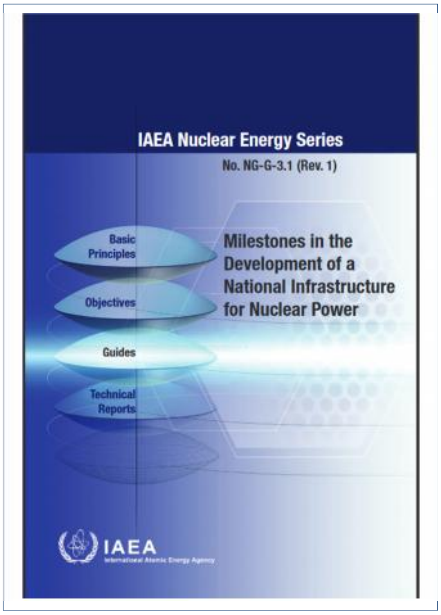
IAEA Nuclear Energy Series No. NG-T-3.13

Subject Classification: 0700-Nuclear power

STI/PUB/1700; (ISBN:978-92-0-103415-1); 62 pp.; 25 figures; € 33.00; Date Published: 2015

INPRO is an international project to help ensure that nuclear energy is available to contribute in a sustainable manner to meeting the energy needs of the 21st century. A basic principle of INPRO in the area of environmental impact from depletion of resources is that a nuclear energy system will be capable of contributing to the energy needs in the 21st century while making efficient use of non-renewable resources needed for construction, operation and decommissioning. Recognizing that a national nuclear energy programme in a given country may be based both on indigenous resources and resources purchased from abroad, this publication provides background materials and summarizes the results of international global resource availability studies that could contribute to the corresponding national assessments.

https://www-pub.iaea.org/MTCD/Publications/PDF/P1700_web.pdf



Milestones in the Development of a National Infrastructure for Nuclear Power

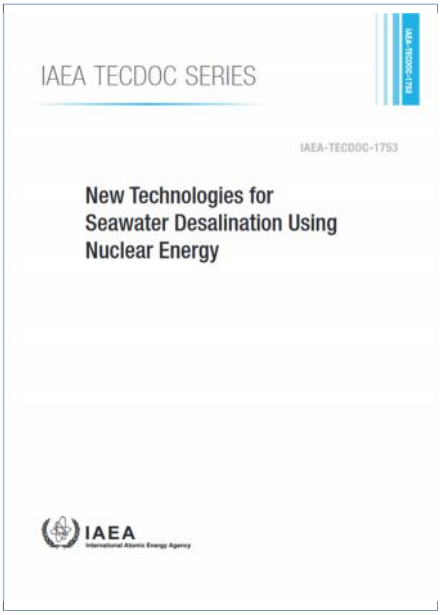
IAEA Nuclear Energy Series No. NG-G-3.1 (Rev. 1)

Subject Classification: 0700-Nuclear power

STI/PUB/1704; (ISBN:978-92-0-104715-1); 79 pp.; 1 figures; € 40.00; Date Published: 2015

The development and implementation of an appropriate infrastructure to support the successful introduction of nuclear power and its safe, secure, peaceful and sustainable application is an issue of central concern, especially for countries that are considering and planning their first nuclear power plant. In preparing the necessary nuclear infrastructure, there are several activities that need to be completed. These activities can be split into three progressive phases of development. This publication provides a description of the conditions expected to be achieved by the end of each phase to assist with the best use of resources. ‘Milestones’ refer to the conditions necessary to demonstrate that the phase has been successfully completed.

https://www-pub.iaea.org/MTCD/Publications/PDF/Pub1704_web.pdf



New Technologies for Seawater Desalination Using Nuclear Energy

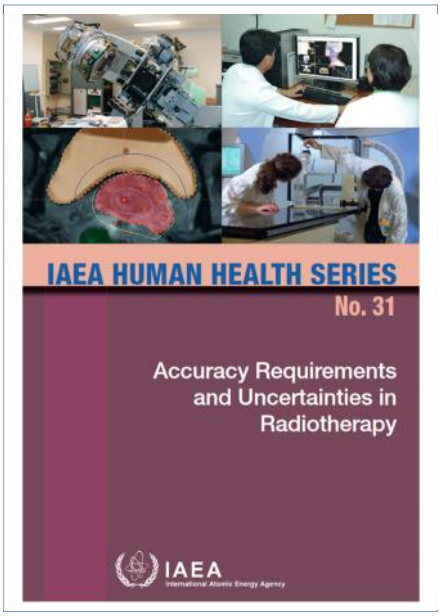
IAEA TECDOC No. 1753

Subject Classification: 0700-Nuclear power

IAEA-TECDOC-1753; (ISBN:978-92-0-100115-3); 184 pp.; 113 figures; € 18.00; Date Published: 2015

This publication compiles the findings of research and development activities relating to new technologies to support seawater desalination using nuclear energy. An overview of current progress on low temperature technologies for seawater desalination is included. The publication also provides information on competitiveness and sustainability of seawater desalination using nuclear energy and a techno-economic feasibility study of nuclear desalination.

https://www-pub.iaea.org/MTCD/Publications/PDF/TE-1753_web.pdf



Accuracy Requirements and Uncertainties in Radiotherapy

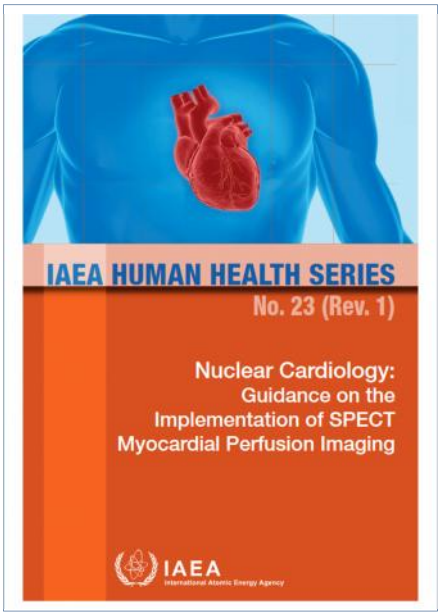
IAEA Human Health Series No. 31

Subject Classification: 0103-Medical physics (including dosimetry)

STI/PUB/1679; (ISBN:978-92-0-100815-2); 297 pp.; 46 figures; € 76.00; Date Published: 2016

Accuracy requirements in radiation oncology have been defined in multiple publications; however, these have been based on differing radiation technologies. In the meantime, the uncertainties in radiation dosimetry reference standards have been reduced and more detailed patient outcome data are available. No comprehensive literature on accuracy and uncertainties in radiotherapy has been published so far. The IAEA has therefore developed a new international consensus document on accuracy requirements and uncertainties in radiotherapy, to promote safer and more effective patient treatments. This publication addresses accuracy and uncertainty issues related to the vast majority of radiotherapy departments including both external beam radiotherapy and brachytherapy. It covers clinical, radiobiological, dosimetric, technical and physical aspects.

https://www-pub.iaea.org/MTCD/Publications/PDF/P1679_HH31_web.pdf



Nuclear Cardiology: Guidance on the Implementation of SPECT Myocardial Perfusion Imaging

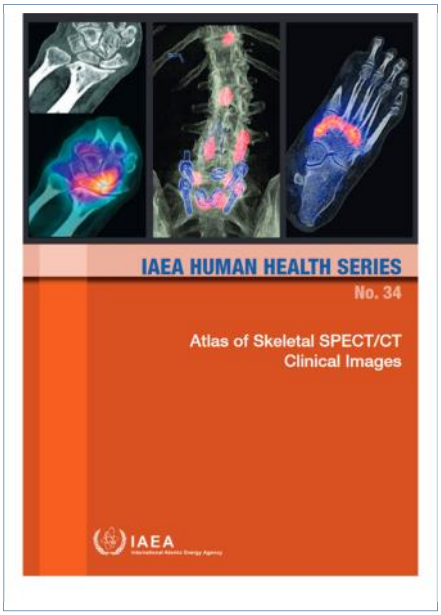
IAEA Human Health Series No. 23 (Rev. 1)

Subject Classification: 0103-Medical physics (including dosimetry)

STI/PUB/1753; (ISBN:978-92-0-107616-8); 101 pp.; 24 figures; € 46.00;
Date Published: 2016

Nuclear cardiology is one of the most widely used non-invasive techniques for the assessment of coronary artery disease and other cardiovascular conditions. It has proved to be a cost effective tool for the evaluation and management of cardiac patients and usually has a decisive role for diagnosis, prognosis and risk stratification. In particular, radionuclide myocardial perfusion imaging (MPI) is used extensively worldwide for the evaluation of known or suspected coronary artery disease, with an estimated 15–20 million procedures performed annually. This publication provides a detailed analysis of all the steps involved in the delivery of nuclear cardiology services, from referrals to reporting, and is intended to serve as guidance for the implementation, homogenization and enhancement of MPI practice in those Member States where the technique is under development.

https://www-pub.iaea.org/MTCD/Publications/PDF/Pub1753web.pdf



Atlas of Skeletal SPECT/CT Clinical Images

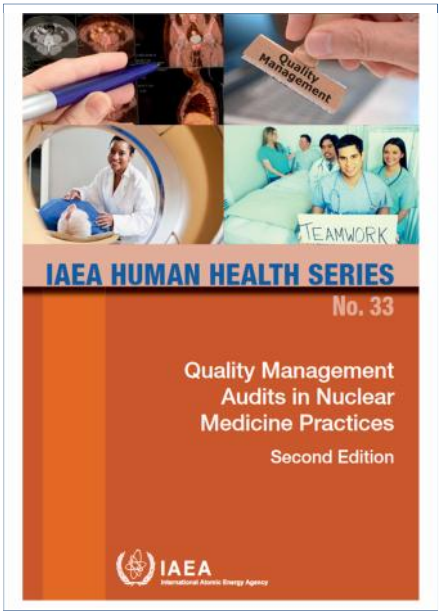
IAEA Human Health Series No. 34

Subject Classification: 0103-Medical physics (including dosimetry)

STI/PUB/1748; (ISBN:978-92-0-103416-8); 237 pp.; 301 figures; € 75.00;
Date Published: 2016

The atlas focuses specifically on single photon emission computed tomography/computed tomography (SPECT/CT) in musculoskeletal imaging, and thus illustrates the inherent advantages of the combination of the metabolic and anatomical components in a single procedure. In addition, the atlas provides information on the usefulness of several sets of specific indications. The publication, which serves more as a training tool than a textbook, will help to further integrate the SPECT and CT experience in clinical practice by presenting a series of typical cases with many different patterns of SPECT/CT seen in bone scintigraphy.

https://www-pub.iaea.org/MTCD/Publications/PDF/Pub1748web-89629348.pdf



Quality Management Audits in Nuclear Medicine Practices Second Edition
IAEA Human Health Series No. 33

Subject Classification: 0101-Nuclear medicine (including radiopharmaceuticals)

STI/PUB/1683; (ISBN:978-92-0-101715-4); 83 pp.; 7 figures; € 45.00; Date Published: 2015

Quality management systems are essential and should be maintained with the intent to continuously improve effectiveness and efficiency, enabling nuclear medicine to achieve the expectations of its quality policy, satisfy its customers and improve professionalism. The quality management (QM) audit methodology in nuclear medicine practice, introduced in this publication, is designed to be applied to a variety of economic circumstances. A key outcome is a culture of reviewing all processes of the clinical service for continuous improvement in nuclear medicine practice. Regular quality audits and assessments are vital for modern nuclear medicine services. More importantly, the entire QM and audit process has to be systematic, patient oriented and outcome based. The management of services should also take into account the diversity of nuclear medicine services around the world and multidisciplinary contributions. The latter include clinical, technical, radiopharmaceutical, medical physics and radiation safety procedures.

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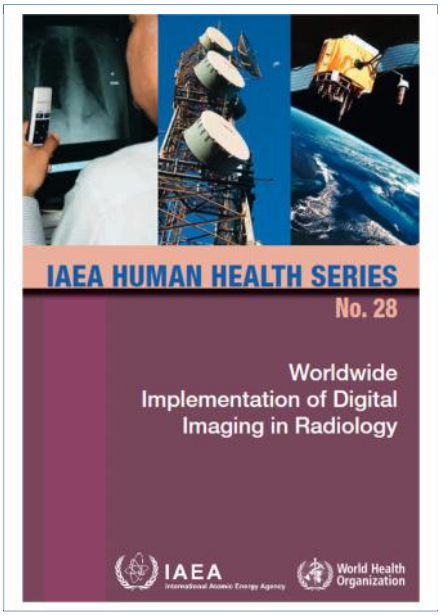

Worldwide Implementation of Digital Imaging in Radiology

IAEA Human Health Series No. 28

Subject Classification: 0103-Medical physics (including dosimetry)

STI/PUB/1647; (ISBN:978-92-0-102114-4); 195 pp.; 14 figures; € 60.00; Date Published: 2015

Providing a basic introduction to digital technology and digital networks, the publication also gives an overview of the issues to consider when implementing such technology in diagnostic radiology. In an area that is under rapid development, it provides a careful analysis of the principles and advice on implementation and sustainability of digital imaging and teleradiology. The transition from film to digitally based medical imaging is complex and requires knowledge and planning to be successful. This comprehensive resource guide contains information on the needs and implications of a transition to digital imaging with case studies for different facilities requiring different levels of communication connectivity. It is aimed at hospital administrators and managers, radiologists and radiographers/technologists, medical physicists and clinical engineers as well as information technology staff.

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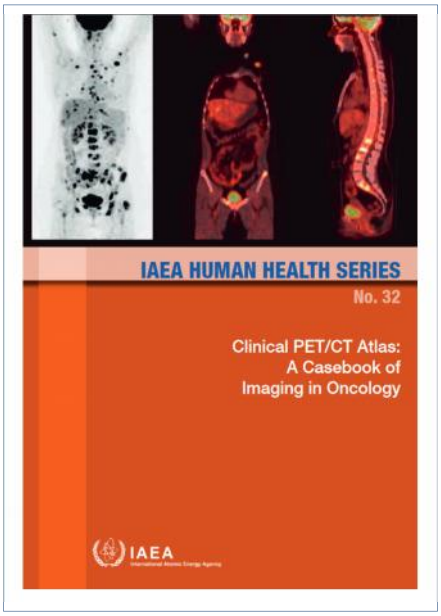

Clinical PET/CT Atlas: A Casebook of Imaging in Oncology

IAEA Human Health Series No. 32

Subject Classification: 0103-Medical physics (including dosimetry)

STI/PUB/1680; (ISBN:978-92-0-101115-2); 201 pp.; 98 figures; € 70.00; Date Published: 2015

Integrated positron emission tomography/computed tomography (PET/CT) has evolved since its introduction into the commercial market more than a decade ago. It is now a key procedure, particularly in oncological imaging. Over the last years in routine clinical service, PET/CT has had a significant impact on diagnosis, treatment planning, staging, therapy, and monitoring of treatment response and has therefore played an important role in the care of cancer patients. The high sensitivity from the PET component and the specificity of the CT component give this hybrid imaging modality the unique characteristics that make PET/CT, even after over 10 years of clinical use, one of the fastest growing imaging modalities worldwide. This publication combines over 90 comprehensive cases covering all major indications of fluorodeoxyglucose (18F-FDG)-PET/CT as well as some cases of clinically relevant special tracers. The cases provide an overview of what the specific disease can look like in PET/CT, the typical pattern of the disease's spread as well as likely pitfalls and teaching points. This PET/CT Atlas will allow professionals interested in PET/CT imaging to embrace the variety of oncological imaging by providing clinically relevant teaching files on the effectiveness and diagnostic quality of FDG-PET/CT imaging in routine applications.

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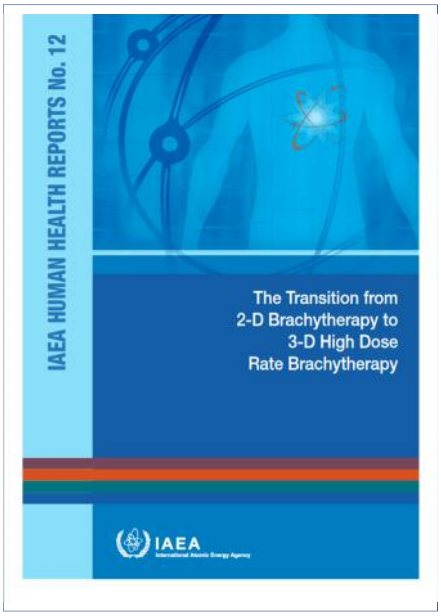

The Transition from 2-D Brachytherapy to 3-D High Dose Rate Brachytherapy

IAEA Human Health Reports No. 12

Subject Classification: 0103-Medical physics (including dosimetry)

STI/PUB/1681; (ISBN:978-92-0-101415-3); 33 pp.; 8 figures; € 23.00; Date Published: 2015

Brachytherapy is a major treatment modality in the treatment of common cancers including cervical cancer. This publication addresses the recent technological change in brachytherapy treatment planning with better access to 3-D volumetric patient imaging modalities including computed tomography (CT) and magnetic resonance (MR) as opposed to traditional 2-D planar images. In the context of 2-D and 3-D brachytherapy, the publication provides definitions, clinical indications, transitioning milestones, commissioning steps, quality assurance measures, and a related questionnaire. Staff training and resourcing are also addressed. The publication will serve as a guide to radiotherapy departments that wish to make the transition from 2-D to 3-D brachytherapy.

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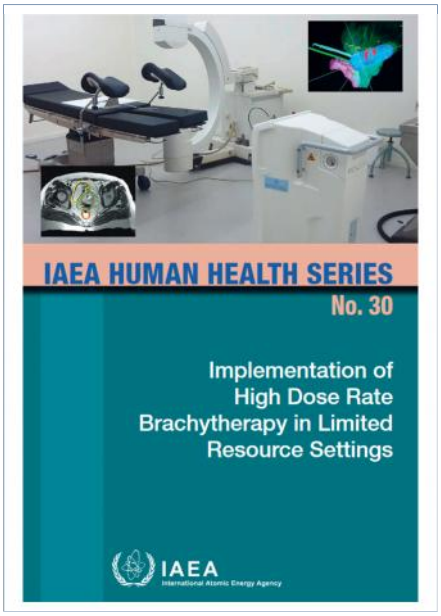

Implementation of High Dose Rate Brachytherapy in Limited Resource Settings

IAEA Human Health Series No. 30

Subject Classification: 0103-Medical physics (including dosimetry)

STI/PUB/1670; (ISBN:978-92-0-107214-6); 97 pp.; 21 figures; € 45.00;
Date Published: 2015

Brachytherapy is an essential component of the curative treatment of cervical cancer, a disease with high incidence in many developing countries. The IAEA supports the use of high dose rate (HDR) brachytherapy for centres with a large number of patients with this disease. HDR brachytherapy is also used in other common cancers such as breast, lung, oesophagus and prostate cancer. This publication provides guidance to radiation oncologists, medical physicists and planners on establishing and operating an HDR brachytherapy unit with modern standards, and presents the main issues to be addressed for its effective and safe operation.

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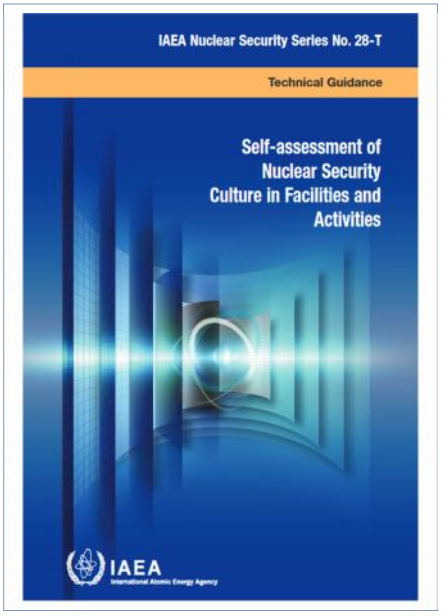

Self-assessment of Nuclear Security Culture in Facilities and Activities

Technical Guidance

IAEA Nuclear Security Series No. 28-T

Subject Classification: 0600-Nuclear and Radiological Safety

STI/PUB/1761; (ISBN:978-92-0-111616-1); 107 pp.; 8 figures; € 55.00;
Date Published: 2017

The IAEA has developed a comprehensive methodology for evaluating nuclear security culture. When implemented by a State, this methodology will help to make nuclear security culture sustainable. It will also promote cooperation and the sharing of good practices related to nuclear security culture. This publication is the first guidance for assessing nuclear security culture and analysing its strengths and weaknesses within a facility or activity, or an organization. It reflects, within the context of assessment, the nuclear security culture model, principles and criteria set out in the Implementing Guide, IAEA Nuclear Security Series No. 7. This guidance will be useful for organizations and operating facilities in conducting the self-assessment of nuclear security culture by providing practical methods and tools. It will also help regulatory bodies and other competent authorities to understand the self-assessment methodology used by operators, encourage operators to start the self-assessment process or, if appropriate, conduct independent assessments of nuclear security culture.

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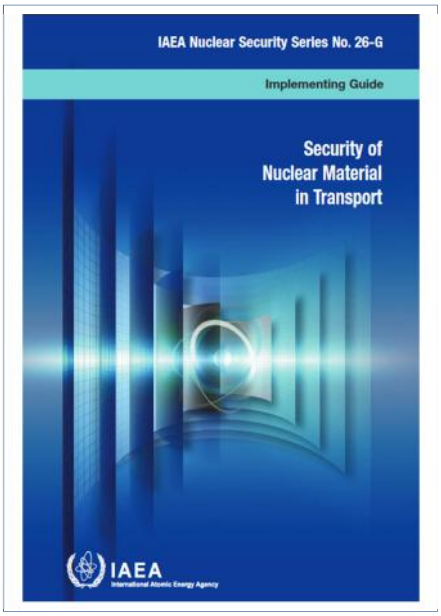

Security of Nuclear Material in Transport

Implementing Guide

IAEA Nuclear Security Series No. 26-G

Subject Classification: 0606-Transport of radioactive material

STI/PUB/1686; (ISBN:978-92-0-102015-4); 104 pp.; 2 figures; € 48.00;
Date Published: 2015

This publication provides guidance to States and their competent authorities on how to implement and maintain a physical protection regime for transport of nuclear material. It will also be useful to shippers or carriers in the design and implementation of their physical protection systems. The publication builds upon the Nuclear Security Recommendations on Physical Protection of Nuclear Material and Nuclear Facilities (INFCIRC/225/Revision 5), IAEA Nuclear Security Series No. 13, and provides additional guidance on how to implement these recommendations in practice.

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