ISO 19443:2018 Nuclear Training

**Welcome Speech By Dr Sundar Kataria
Chairman & Managing Director,
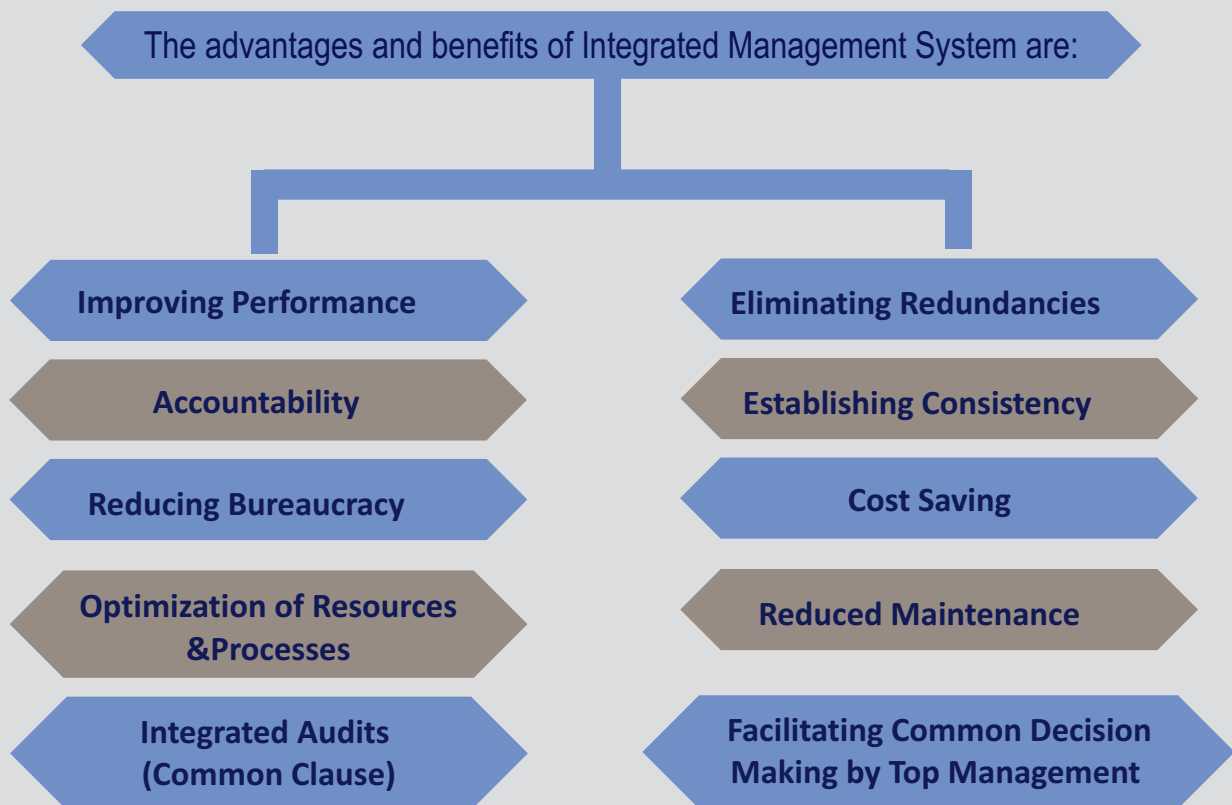International Certification Services Pvt. Ltd.**

Dear Friends,

Many companies in India have successfully obtained **ISO 9001:2015** Quality Management System Certification along with other ISO Management System Certification. Furthermore India has been most growing and developing economy in the world. Many new startups and enterprises have been added to the market in manufacturing and service setup during last 2 years. Our growth in GDP will touch estimated 9% rate this year. Today India has been on the top of the world as an exporter company.

Hence we need to grow and focus on Quality to sustain growth with commitment towards the society to safeguard Occupational Safety and Environment as a part of social responsibility.

You must be aware ISO 45001:2018 Occupational Health and Safety Management System and ISO 14001:2015 Environment Management System have been integrated and are structured on the same platform having 10 common clauses (3 general and 7 main clauses).

The Importing Countries world over also have OH&SM (Occupational Health and Safety) and EMS (Environment Management System) as an additional requirement apart from ISO 9001:2015 Quality Management System.

The advantages and benefits of Integrated Management System are:

Improving Performance	Eliminating Redundancies
Accountability	Establishing Consistency
Reducing Bureaucracy	Cost Saving
Optimization of Resources &Processes	Reduced Maintenance
Integrated Audits (Common Clause)	Facilitating Common Decision Making by Top Management

All QMS ISO 9001:2015 certified Organization may contact us for further information on the Integrated Management System.

ICS is provider of "**Total Quality Solution**" under single umbrella to meet growing needs of the manufacturing and service industry sector.

We bring to you a new International Quality Standard ISO19443:2018 specially designed for "Supply chain of the nuclear energy sector supplying products and services important to nuclear safety (ITNS)".

This above standard is an expansion on the ISO 9001:2015, Quality Management System that will ensure high safety and quality along with nuclear supply chain covering manufacturers and service provider of Nuclear Components. It is important management requirement and guidelines for Quality Management System for the Nuclear Sector Industries.

Today the manufacturers of Nuclear Components, plant and service provider for the plant operators are facing a wide variety of quality and safety International and National Standards.

The manufacturers of nuclear components, equipment and instruments etc. will be given advantages and recognition by Nuclear Power Plants if they adopt and implement ISO 19443:2018.

In case your organization is already certified for the Quality Management System ISO 9001:2015 then ISO 19443 is an extension of quality management system on a ISO Annexure SL common platform. Therefore it can be easily adopted by the Nuclear Power Sector Industry.

ICS has team of experts with many years of experience in the field of Nuclear Industry, ISO Quality and Safety Management System. They will provide you their expertise in Management and Nuclear Technology to assist you in entire certification process. The worldwide Nuclear Power Plant operates demanding a certification based on the ISO 19443 for their vendors.

The criteria for the certification is based on ISO 9001 along with ISO 19443 supplemented by Supply chain of the nuclear energy sector supplying products and services important to nuclear safety (ITNS)".

ISO 19443:2018 is based on

- Process Approach
- PDCA Cycle
- Risk Based Thinking
- Activity
- Commercial Grade item or activity
- Counterfeit/fraudulent/suspect (CFS) item
- Graded approach
- Important to nuclear safety

Our Lead Auditors, Auditors and Nuclear Specialist are highly experienced and qualified for the certification of the Management System and the technologies used for the manufacturing of Nuclear Power Plant, components equipment, instrument and system, etc.

ICS will be pleased to extend their certification services for ISO 19443.
Please feel free to call or write us.

Sudesh Sharma,
Eminent TQM, ISO, IMS, Kaizen, Six-Sigma Practitioner
Lead Assessor for IMS systems MDP Lead at AIMA, BMA

ISO 19443- Why Nuclear Chain Supply Must grab it – Now?

As in many other countries, there are indications that the Indian nuclear energy establishment may soon begin to insist upon the entire nuclear supply-chain to begin implementing ISO 19443 standard and acquiring third-party certification. ISO 9001 already was one of the pluses for a vendor or supplier for gaining competitive advantage during technical review of bids and proposals. However, this basic quality standard (ISO 9001) had outgrown its utility over the years since it was found too generic for the stringent needs of the nuclear industry. As a result, sooner or later supply-chains might find themselves suddenly faced with the prospect of a mandatory ISO 19443 certification to be able to qualify for bidding in the nuclear sector of India. Even if it is not made a mandatory precondition, it will help bidding companies in moving few notches higher in technical competence. Initiatives in this direction taken by any member of the supply-chain are not going to go unrewarded, it is strongly predicted. Some leading players like L&T are already ready with their ISO 19443 systems and soon we will see more businesses following suit."

GET STARTED, GAIN COMPETITIVE ADVANTAGE

ISO 19443:2018 has been developed by 24 international experts, working closely with the International Atomic Energy Agency (IAEA), which is an official ISO partner.

WHO BENEFITS?

It is suitable for any organization in the supply chain of the nuclear energy sector supplying products and services. In most cases, the owners of nuclear utilities supply services such as Design, QA, RSA studies, SOPs and Technology Development. They are expected to take the lead for the entire supply-chain to emulate.

The IAEA Connection

IAEA-TECDOC-1910 -Quality Assurance and Quality Control in Nuclear Facilities and Activities states-
"In the nuclear sector, ISO 19443 was recently issued for organizations supplying products or services that are important to nuclear safety. It expands the generic ISO 9001:2015 requirements to include some IAEA GSR Part 2 [12] requirements and sector-specific requirements for nuclear safety. Guidance on the implementation of ISO 19443 [31] will assist users of the standard in implementing the requirements."

Bertrand-Marie Nahon, Convener of the working group that developed the standard, which is part of technical committee ISO/TC 85, Nuclear energy, nuclear technologies, and radiological protection, says:
"ISO 19443 will not only improve the understanding of quality requirements by suppliers but encourage all major nuclear industry players to work in the same direction.

Several nuclear utilities around the globe have made ISO 19443 mandatory for their supply-chain. The existing ISO 9001:2015 standard was too generic and fundamental for the nuclear industry's growing appetite for quality and safety culture. This industry has a reputation for controls at all stages of the product and service life-cycle. From design of the products till their decommissioning and entombment, it has enforced strict checks and controls to reduce the risk of failure to ALARA (as low as reasonably achievable). Members of the entire supply-chain from nuclear operators to vendors of mega-packages, as well as suppliers of mini-components will derive enormous quality and reputational advantage by implementing and getting certified to the specific ISO standard for nuclear industry.

ISO 19443:2018 Quality management system — explains Specific requirements for the application of ISO 9001:2015 by organizations in the supply chain of the nuclear energy sector supplying products and services important to nuclear safety (ITNS). It follows the 'application of graded quality requirements' approach, which is based on the 'defence in depth' principles of the IAEA's Safety Fundamentals. The standard empowers organizations to continually improve the quality and reliability of its processes, risk management, leadership and strategic planning.

Can MSMEs afford to do it?

While large players like L&T, Godrej, Walchand, BHEL, ECIL have dedicated teams for their Management systems, the natural question that arises is- "Can smaller businesses dare to go for ISO 19443?"
Our answer to their curiosity is- Just jump into it. Now is the best time. When ISO 9001 was introduced, industries found it equally daunting and were discouraged initially given that consultants projected it as a system of creating and maintaining heaps of additional documents.

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Yogesh Chandekar,
Asst. Vice President - Certification,
International Certification Services Pvt. Ltd.

ISO 19443 was released in 2018 in line with the Quality Management System (QMS) requirements of ISO 9001, with a specific focus on nuclear safety. This International Standard applies to organizations supplying ITNS products or services. However, the Management system requirements specific to security management, and nuclear material accounting and control are not addressed in this International Standard.

In addition to the quality management principles, ISO 19443 is based on principles like nuclear safety culture; determination of ITNS items and activities and graded approach to the application of quality requirements. Like QMS, ISO 19443 provides process oriented management system and is based on PDCA cycle.

While some of the requirements specific to nuclear safety are added in most of the ISO 9001 clauses, few clauses are included in ISO 19443. To demonstrating the leadership and commitment, top management shall ensure that nuclear safety is taken into account in decision making and is not compromised by any decisions taken and a commitment to ensure that nuclear safety is not compromised by other priorities and unrestricted access to top management.

Nuclear safety culture is considered in separate clause in this standard. The organization shall ensure an appropriate nuclear safety culture by consideration of leadership and commitment of top and line management to nuclear safety, ensuring awareness by all personnel of nuclear safety and encouraging a questioning attitude. It shall also ensure a balanced, rigorous and prudent approach to decision making with respect to quality, cost and schedule such that nuclear safety is not compromised. The nuclear safety culture shall also consider reporting of human, technical and organizational issues, lessons learned and challenging unsafe acts, behaviours and conditions.
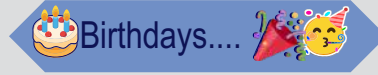
This standard also covers determination of important to nuclear safety (ITNS) items and activities i.e those whose potential failure or malfunction may jeopardize the products and/or services safety function(s) specified by the customer in line with Licensee's safety classification of Systems, Structures and Components and Graded approach to the application of quality requirements. The persons involved in the realization of ITNS products or services shall be trained on the importance of their tasks, including the potential nuclear safety consequences of errors in their activities.

Provisions for counterfeit, fraudulent or suspect (CFS) items is also considered in this standard as a separate clause. The organization shall prevent CFS items at all levels of operations and When CFS items are detected, they shall be managed as nonconformities and relevant parties, including the customer, shall be informed without delay.

For the continual improvement, the lessons learned from experience and risk mitigation shall be considered along with technical advances and research and development and methods for identifying good practices.

Though ISO 19443 is not a legal requirement for nuclear suppliers, it is now increasingly becoming a certification requirement for organisations supplying ITNS products or services. If ISO 19443 is adopted throughout the supply chain, it will definitely help in standardisation of nuclear industry regulation. The certification process for ISO 19443 includes a three-year audit cycle with initial certification followed by surveillance audits every year for the following two years.

ISO 19443 standard enables organisations who are in the supply chain of the nuclear energy sector, regardless of size or location, to demonstrate that their Quality Management System meets the best practice for the specific requirements of the nuclear industry.

Improve Your Business With Our News

🎂 Birthdays.... 🎉🥳

Sr. No	Emp. Name	Date of Birth
1	M.S Kiran Kandregula	1st Aug
2	Bhavesh Rajput	2nd Aug
3	Deepika Trivedi	2nd Aug
4	Kiranbhai Vaghela	2nd Aug
5	Mohd Atif Khan	2nd Aug
6	Prem Shanker Singh	2nd Aug
7	Akash Sharma	3rd Aug
8	Jatin Rajeshbhai Joshi	3rd Aug
9	Narayan Rathod	3rd Aug
10	Rijwan Ajfar .	3rd Aug
11	Mohd Ahmad Nabi	5th Aug
12	Mohd Rizwan	5th Aug
13	Sana Khan	5th Aug
14	Siva Sai Durga Prasad Nakka	5th Aug
15	Vikram Singh	5th Aug
16	Bhavesh Shrimali	7th Aug
17	Jayesh Parmar	7th Aug
18	Rohan Patole	7th Aug
19	Vijay Narbhawar	7th Aug
20	Jarna S Mandhyan	8th Aug
21	Jil Pandya	8th Aug
22	Neel Kumar Vapalia	8th Aug
23	Sakthivel Palanivelu	8th Aug
24	Ajay Kumar Patel	9th Aug
25	Abhishek Soni	10th Aug
26	Ayazuddin Khan	10th Aug
27	Laljee Suryanath Pandey	10th Aug
28	Mitkumar Raval	10th Aug
29	Fahim Kamaluddin Ghazi	11th Aug
30	Prasad Sunil Bhilare	11th Aug
31	Sanjay Sharma	11th Aug
32	Vinit Sharma	11th Aug
33	Nikhil Jha	12th Aug
34	Nivrtee Raosaheb Magar	12th Aug
35	Ravi Chahar	12th Aug
36	Shreyas Kumar Vapaliya	12th Aug
37	Rahul Singh Rajput	13th Aug
38	Anubhav Sonkar	14th Aug
39	Ashok Kumar Athu	15th Aug
40	Hriday Narayan Vindhya Vaseeni Shukla	15th Aug
41	Jeevansingh Bhageerath Malvi	15th Aug
42	Md Tanveer Hassan	15th Aug
43	Brijesh Kumar Yadav	16th Aug
44	Surendra Singh	16th Aug
45	Kishan Kumar Gupta	17th Aug
46	Pritesh Patel	17th Aug
47	Kanaiyalal Vaghela	18th Aug
48	Akash Kumar Sharma	20th Aug
49	Mo.Hasim Pirzada	20th Aug
50	Rajesh Kumar	20th Aug
51	Riddhi Ghosalkar	21st Aug
52	Sanket Kadam	21st Aug
53	Tejas Patel	21st Aug
54	Hemanandan . K. V.	22nd Aug
55	Mohammad Faisal	22nd Aug
56	Santosh Singh Nayal	23rd Aug
57	Arjun Bhalerao	24th Aug
58	S.Sukumar Reddy Chinnam	26th Aug
59	Shoaib Ansari	27th Aug
60	Divyanshukumar Patel	28th Aug
61	Praveen Jujjavarapu	28th Aug
62	Ujjwal Patel	28th Aug
63	Shahnawaz Khan	29th Aug
64	Keyur Khalasi	30th Aug
65	Mohammed Usama Mohammed Iqbal	30th Aug
66	Sateesh Surisetty	31st Aug
67	Shivam Sharma	31st Aug
68	Taralkumar Patel	31st Aug

New ICS Employees

Emp. Name	Date of Joining
Alpeshkumar Pratapji Purohit	9-Aug-22
Amit Kumar Abasaheb Ingawale	1-Aug-22
Amit Kumar Gupta	3-Aug-22
ANBAZHAGAN - K.	8-Aug-22
Atish Pradip Gaikwad	1-Aug-22
Dharmesh V .	1-Aug-22
Elango K.	1-Aug-22
Hemanandan . K. V.	9-Aug-22
Navaneetha K.	10-Aug-22
Pravin Wadekar	1-Aug-22
Preet Rakesh Shah	2-Aug-22
Premkumar Konagiri K	10-Aug-22
Priyanka Digamber Pawar	10-Aug-22
Shrijit Daware	1-Aug-22
Shubham Kumar	10-Aug-22
Sumit Suresh Chavan	1-Aug-22
Yogesh Anant Halde	2-Aug-22

Festival Celebration in ICS Head Office

Raksha Bandhan
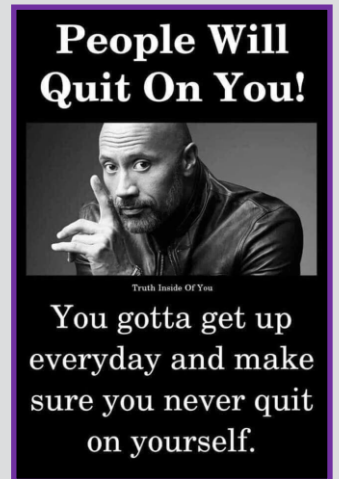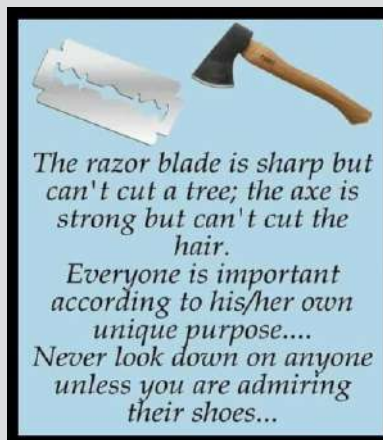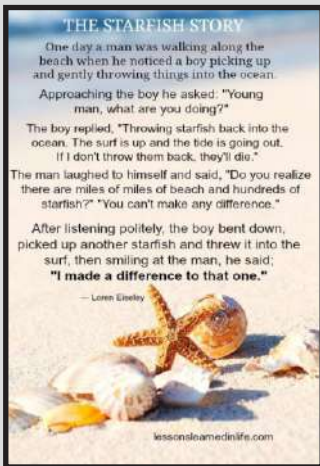

Independence Day

Janmashtami

Improve Your Business With Our News

Management & Technology Training Calendar Feb - 2022

Sr. No.	Course Name	Date of training	Fees	Platform
1	Internal Auditor Training IQA IMS	14th to 16th Sep 2022	6000+18% GST	ZOOM
2	Internal Auditor Training IQA 13485:2016	22nd & 23rd Sep 2022	6000+18% GST	ZOOM
3	Lead Auditor Training LA QMS	26th to 30th Sep 2022	15000+18% GST	ZOOM

Stress Buster Zone

THE STARFISH STORY
One day a man was walking along the beach when he noticed a boy picking up and gently throwing things into the ocean.
Approaching the boy he asked: "Young man, what are you doing?"
The boy replied, "Throwing starfish back into the ocean. The surf is up and the tide is going out. If I don't throw them back, they'll die."
The man laughed to himself and said, "Do you realize there are miles of miles of beach and hundreds of starfish?" "You can't make any difference."
After listening politely, the boy bent down, picked up another starfish and threw it into the surf, then smiling at the man, he said;
"I made a difference to that one."
— Loren Eiseley
lessonsleamedinlife.com

The razor blade is sharp but can't cut a tree; the axe is strong but can't cut the hair. Everyone is important according to his/her own unique purpose.... Never look down on anyone unless you are admiring their shoes...

People Will Quit On You!
Truth Inside Of You
You gotta get up everyday and make sure you never quit on yourself.

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Be a part of the Publication, Share your Ideas, thoughts, Vision and Knowledge, Join us in our mission of a Quality World. Please send your article in 300-500 words with your name and photograph to quality.mantra@icsasian.com.

This Edition Compiled and Presented by ICS Corporate Office Team

ICS Group Companies