

IIAEM

IIAEM is a collaborative venture between Jain (Deemed-to-be-University), SIATI, and leading Aerospace organizations, an initiative never attempted by other Universities. IIAEM has received overwhelming support from academic institutions, Defence R&D laboratories and reputed organizations - like ISRO, HAL, AAI, NAL, Commercial Airlines, BIAL, CIAL and many others. Besides involving itself in cutting edge research, the Institute is striving to generate a pool of technical manpower skilled in Aircraft Design, Avionics, Aircraft Maintenance Engineering, Airport Infrastructure & Aviation Management at the UG, PG and Research levels. Within the next few years, the IIAEM is poised to develop into a world-class institution for aerospace research and education.

SIATI

The Society of Indian Aerospace Technologies & Industries (SIATI) has made pioneering efforts in bringing industry, R&D centers both in India and abroad together to enhance self-reliance in aerospace technology and manufacturing. In addition to major aerospace players it has now about 300 small, medium and largescale private industries engaged in development and manufacture of aircraft structures, systems/equipment.

Course Faculty & Chief Co-ordinator:

Mr. K.T. Thomas, Aerospace Industry Experienced Lead Auditor for AS9100D/EN9100:2018 Certification, Trainer, Guide and Author, Former Dy. Director, DGAQA, Ministry of Defence, (M 9880279751, E ktthomascri@rediffmail.com)

Course Co-ordinator:

Prof. Ashok K. Bakshi, Ex ISRO & Professor, IIAEM, JAIN (Deemed-to-be-University) (M 9448880230, E akbakshi2010@gmail.com)

Please send your nominations to :

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A Three day Short Course On

QUALITY MANAGEMENT SYSTEMS, STANDARDS & PROCEDURES IN AEROSPACE AND DEFENCE



31st Short Course jointly organized by

International Institute for Aerospace Engineering
and Management (IIAEM)



and



Society of Indian Aerospace Technologies
and Industries (SIATI)

from

28th (Thu) to 30th (Sat) November, 2019 from 9 AM to 5 PM

Venue: Aeronautical Society of India, Suranjandas Road & Old Madras Road Junction, (Opp. to HAL Engine Division & near to Swami Vivekananda Metro Station) Bangalore - 560 075

About the Short Course

AS 9100 D / EN 9100:2018 compliance has become a basic requirement for Quality Management System demanded by major aviation, space and Defence Organisations. This course is designed to share the experience in implementation, certification & training services with organizations in multiple industries of manufacturing and MRO Organizations. This course will be useful to those organizations that need to upgrade their Quality Management System and Sustain at effective levels of Aerospace and Defence Industries. It is estimated that industries will need to train their personnel and management staff and the key suppliers' staff in a very short time, as industry benefits when suppliers and customers follow the same quality standards and provides a level playing field.

This course covers the topics associated with the implementation of Aerospace Standard AS 9100 D / EN 9100:2018 - Requirements for Aviation, Space and defence Organisations and preparing the organization for compliance and if needed by customers to get it audited for certification to the standard.

Course Material

“Implement AS 9100 Rev D for Business Excellence” by K.T. Thomas is a master guide book of 370 Pages, for implementing, improving & sustaining the latest Quality Management System which includes latest ISO 9001:2015, which is sold all over the world.

Who would benefit?

- Scientists and Engineers associated with the design, development, manufacturing, Maintenance, Repair, Overhaul & testing of the Aircraft / Helicopter / Aero-engines / Components / Structure.
- Faculty and students from Institutes offering courses in Aeronautical / Aerospace and Aircraft Maintenance Engineering.

Faculty

- Lecture will be delivered by the quality experts, experienced professionals from aerospace / aircraft industries and academicians.

Registration Fee per Participant

Corporate ----- : ₹ 9,000/-
Academic, R&D Labs & Govt. Orgns : ₹ 8,000/-
Students (UG & PG) ----- : ₹ 5,000/-

Fee discount can be availed for a group of 5 participants.
Registration Fee includes cost of the Book “Implement AS 9100 Rev D for Business Excellence”

Registration fee includes participation fee, course material, working lunch etc. The registration details (Name, Designation, Organization, contact information) along with DD / Cheque drawn in favour of ‘IIAEM’, Bangalore should reach our office before **25th Nov., 2019.** (For online payment : ECS / NEFT details may please be sought.)

Program Content

Day 1

1. High Level Structure of Quality Management System Standards- the new structure of ISO, Changes, as per current ISO 9001 – 2015 & AS 9100D
2. Quality Management Systems – Introduction, Process Approach & Systems Approach, Process Maps, Sequence and Interactions, Process Conformity & Process Effectiveness, Understanding the context of the organization, Scope & Processes, Process Objectives at relevant functions / Business Operations, including Software Design & Engineering Services
3. Statutory & Regulatory Requirements, Customer Specified QMS requirements, Special Requirements, Critical Items, Management of Key Characteristics, Product Safety, Prevention of Counterfeit Parts
4. Risk & Opportunities Management throughout the Business Operations Responsibility, risk criteria, identification and assessment, implementation and management of risks
5. Leadership, Policy, Responsibilities and Authorities within the Organization
6. PLANNING - Actions to Address Organizational Risks and Opportunities, Quality Objectives and Planning to Achieve Them, Planning of Changes
7. SUPPORT Process - Resources - People, Infrastructure, Environment for the Operation of Processes, Monitoring and Measuring Resources, Organizational Knowledge, Competence & Awareness of People in the Organization, Communication Process, Documented Information and their controls (Creating and Updating, Control of Documented Information)
8. OPERATIONS - Operational Planning & Control Process, Project Management, Operational Risk Management, Configuration Management, Product Safety, Prevention of Counterfeit Parts. Marketing Process Requirements for Products and Services, Customer Communication, Determining the Product/Service Requirements & Review for adequacy and addressing operational risks, Changes

Day 2

9. Design and Development Process
10. Purchase Process - (Externally Provided Products /Services) Supply Chain Management, Controls
11. Production Process including Service, Control of Process, Identification and Traceability, Property Belonging to Customers or External Providers, Preservation, Post-Delivery Activities, Control of Production Process Changes, Control of Equipment, Tools, and Software Programs, Validation of Special Processes & NADCAP, Production Process Verification (FAIR) , Release of Products and Services after Inspection and Acceptance
12. Control of Nonconforming Outputs, Corrective Action, Improvements
13. Performance Evaluation - Through Monitoring, Customer Satisfaction, Analysis and Evaluation, Internal Audit, Management Reviews

Day 3

14. Guidelines to Auditing (Internal & Certification) : AS 9101 E, AS 9104-1 AND ISO 19011
15. Audit Criteria - AS9100 D, Using Process Approach, Checklists, Reporting Formats, PEAR Evaluations
16. Requirements to be met by Organisations, Certification Body & Auditors, Follow up Actions
17. Exercises on Auditing, Identification of Non-conformities, Use of Checklist, Audit reporting, follow up actions after Audits.
18. Audit reporting: Identification of Non-conformities, Reporting
19. Final Test : One hour, Objective Type, Pass Percentage Score : 80

Note: Quiz & Workshops during the training and a Post-course test will be conducted, participation certificates will be issued.