

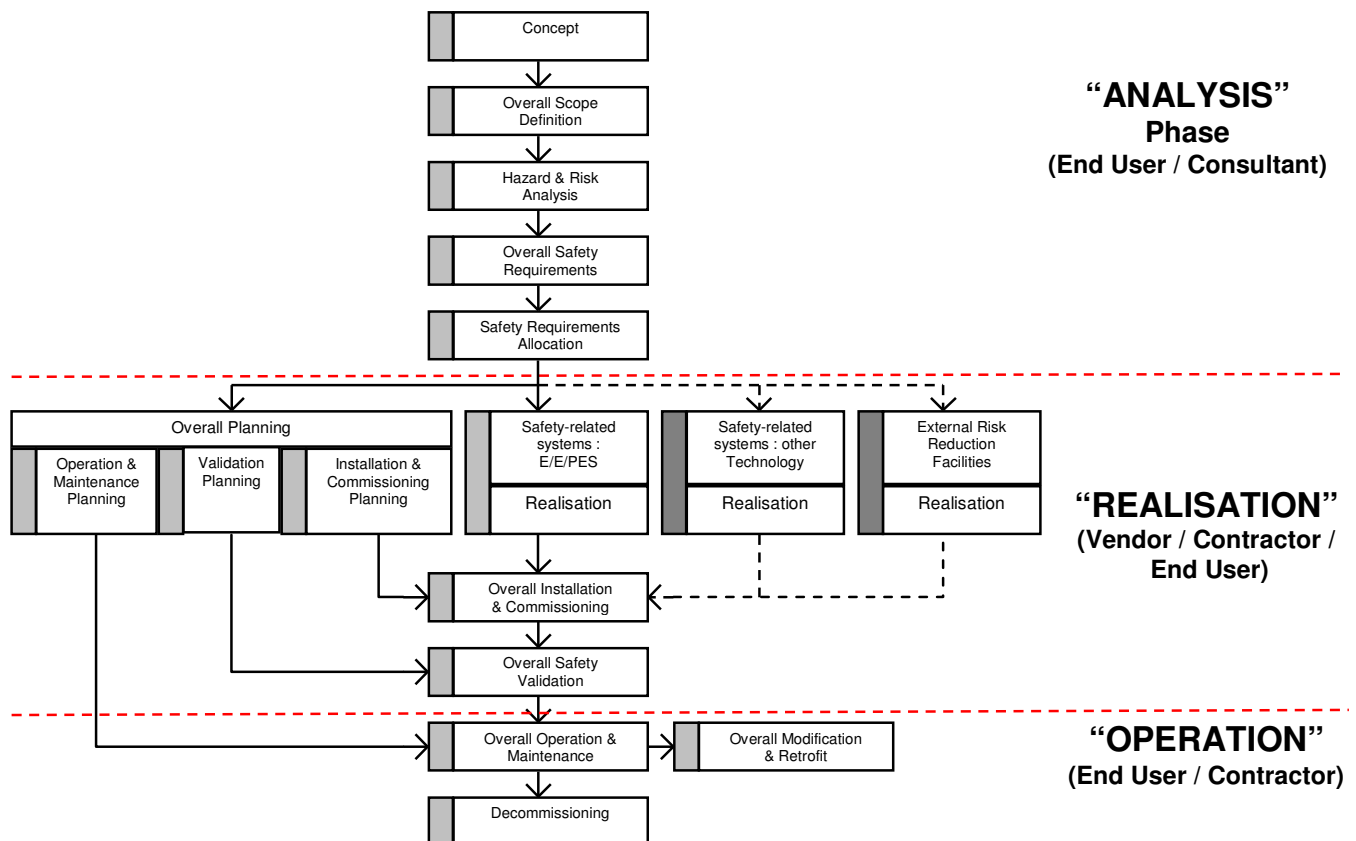
10% Discount for Early Bird !!

CFSE / CFSP Training & Certification

The Certified Functional Safety Expert (CSFE) and the Certified Functional Safety Professional (CFSP) are global programs that apply to the field of functional safety. The knowledge required for the CFSE/CFSP programs are based on current industry accepted practices and standards.

CFSE & CFSP programs aim to ensure that personnel performing SIS lifecycle activities are competent and are of national and international standards of performance. Standards require proof of qualification to ensure safety knowledge and skills are up to date. Some companies may require that personnel overseeing and executing the safety projects are CFSP holders.

Safety Life Cycle Model – IEC61508



CFSE/CFSP Training Course

Since safety is such an important issue in the process and machine industries, the Governance Board treats the CFSE/CFSP applications and examinations very seriously. As a result, the certificate examinations are extremely rigorous and often demand significant preparation in order to achieve the 80% passing grade.

The exida 4½ day training course offered by Excel Marco provides a good supplement to independent study and helps candidates on their final preparation and review prior to taking the CFSE/CFSP examinations.

The course is highly recommended for:

- Loss Prevention Professionals
- Process Safety Coordinators
- Plant Risk Analysts
- Control Engineers and their Management

Course Content

<u>Day 1:</u> <ul style="list-style-type: none">• Introduction to Safety Instrumented Systems• The Safety Lifecycle• Principles of Risk Management• Probability• Process Hazards Analysis	<u>Day 3 & 4:</u> <ul style="list-style-type: none">• Safety Instrumented System (SIS) Design• Fault Tolerant Architectures for Sensors, Logic Solvers and Final Elements• Safety Instrumented Functions, SIL Verification• System Engineering and Installation• Pre-Startup Safety Review• Operations and Management of Change
<u>Day 2:</u> <ul style="list-style-type: none">• Layer of Protection Analysis (LOPA)• Safety Integrity Level (SIL) Selection• Safety Requirements Specification	<u>Day 5- Examination Revision (Half-day):</u> <ul style="list-style-type: none">• Safety Lifecycle Concepts• Key Standards Review

Recommended Texts for Preparation of Examinations

1. Safety Integrity Level Selection
2. Control Systems Safety Evaluation and Reliability
3. Safety Instrumented Systems Verification
4. CFSE Study Guide
5. Win-Win: A Manager's Guide to Functional Safety

** Please email us for enquiries on stock availability and price of texts.*

*The training course is scheduled (subject to participation of min. 12 and max. 20) to be held from 1st March 2010 to 5th March 2010. All application forms **must** be submitted together with full payment by **1st February 2010**. **10 % early bird discount for complete application (inclusive of full payment) received before 8th January 2010.***

Certified Functional Safety Experts (CFSE)

CFSE is the higher level certification and is aimed at professionals who actively lead, coordinate and review the more complex and demanding activities in the Safety Lifecycle in leadership positions including SIL selection and SIL verification.

CFSE Eligibility Requirements for Examination

Applying candidates must have a minimum of 10 years of related experience with credit given for education as follows:

Highest Educational Level	With Engineering Degree	With Other Technical degree	With Non-Technical Degree
No higher level education	10 years	10 years	10 years
Bachelor's degree	7 years	8 years	9 years
Master's degree	6 years	7 years	8½ years
PhD	4 years	6 years	8 years
Professional Engineering Certification/License (PE)	Subtract 1 additional year	Subtract 1 additional year	Subtract 1½ additional year

Submission Requirements for CFSE Examination Application

Failure to submit any of the following by stipulated closing date may result in inability to secure a place or taking of examination at your own risk prior to acceptance to the exam. **Please note that there are no refunds.**

Please access <http://www.cfse.org/applicant.php> for forms and more details.

To submit by Applicant:

1. [Examination Application Form](#)
2. Copies of Educational Certificates
3. [Case Study Form](#), containing description of project where the candidate demonstrated his/her skills, knowledge and responsibility for a significant element of the safety lifecycle in accord with the relevant areas of 61508/61511/62061
4. [Referee Statement](#) - (4 referees) - submitted by referee (one for each referee listed in Examination Application Form). This will also include a supporting statement from one of the referees for the Case Study.
5. Copies of Licenses, Registration & Certificates
6. [Professional Conduct Statement](#)
7. Proof of Payment for Examination Application Fees (This is not required if fees are paid directly to Excel Marco)

Certified Functional Safety Professional (CFSP)

CFSP is for professionals who need a thorough understanding of the Safety Lifecycle activities at the execution level without necessarily leading, coordinating or reviewing the more complex and demanding activities.

CFSP Eligibility Requirements for Examination

Applying candidates must have a minimum of 2 years of related experience with credit given for education as follows:

Highest Educational Level	With Engineering Degree	With Other Technical degree	With Non-Technical Degree
No higher level education	2 years	2 years	2 years
Bachelor's degree & higher	0 year	0 year	1 year

Submission Requirements for CFSP Examination Application

Failure to submit any of the following by stipulated closing date may result in inability to secure a place or taking of examination at your own risk prior to acceptance to the exam. **Please note that there are no refunds.**

Please access <http://www.cfse.org/applicant.php> for forms and more details.

To submit by Applicant:

1. [Examination Application Form](#)
2. Copies of Educational Certificates
3. [Referee Statement](#) - (2 referees) - submitted by referee (one for each referee listed in Examination Application Form).
4. Copies of Licenses, Registration & Certificates
5. [Professional Conduct Statement](#)
6. Proof of Payment for Examination Application Fees (This is not required if fees are paid directly to Excel Marco)

CFSE Training & Certification

Please fax or email completed form to
Fax: +65 6858 2884
Email: training@excelmarco.com

Registration Form
Pg 1 of 2

Please **tick** accordingly in box:

Tick	Description	Fees
<input type="checkbox"/>	4 ½ Days CFSE/CFSP Training Course (1 st March to 5 th March 2010) <i>Includes only application, training, course materials, study guide, venue & refreshments</i>	S\$ 4,066.00 (inclusive of GST)
<input type="checkbox"/>	CFSE Examination (6 th March 2010) <i>Includes only application, examination, Exida Certification SA, first 3 years membership, venue & refreshments</i>	S\$1,819.00 (inclusive of GST)
<input type="checkbox"/>	CFSP Examination (6 th March 2010) <i>Includes only application, examination, Exida Certification SA, first 3 years membership, venue & refreshments</i>	S\$1,658.50 (inclusive of GST)

Note:

1. **Prices are inclusive of prevailing GST (goods & services tax).**
2. **Processing of application is subject to receipt of fully completed forms, all required supporting documents and payment of stipulated fees. Registration closing date is 1st February 2010.**
3. **10% early bird discount is strictly given only for payment received before 8th January 2010.**

Personal Particulars (Mandatory to fill in ALL)

Name : Dr /Mr /Mdm /Ms *
(Pls underline last name) _____

Job Title : _____

Company Name : _____

Address : _____

E-mail Address : _____

Telephone No. : (O) _____ Telephone No. : (H) _____

Fax No. : _____ Mobile No. : _____

Date of Birth : _____ Nationality : _____

ID or Passport No. : _____ Years of Working : _____

Qualification : _____ Experiences : _____

Other Certifications / Titles if any : _____

Food : Easy / Halal / Vegetarian (Please delete accordingly) _____

How did you know about this course? (You may circle more than one)

Brochure /Email /Website /Word-of-Mouth /Recommendation (pls specify): _____ /Others (pls specify): _____

I agree to the terms & conditions on Page 2

Signature of Applicant:

Date:

CFSE Training & Certification

Please fax or email completed form to
Fax: +65 6858 2884
Email: training@excelmarco.com

Registration Form

Pg 2 of 2

Registration Terms and Conditions:

1. A place will be reserved for you upon receipt of your registration. Please make your payment either by cheque or bank transfer upon registration. All cheques should be crossed and made payable to "Excel Marco Singapore Pte Ltd".
For T/T Payment : (SGD)
Details of Bank : DBS Bank (Thomson Branch)
THE DEVELOPMENT BANK OF SINGAPORE LTD
Bank Address : 6 Shenton Way, DBS Building, Singapore 068809
Account Name : Excel Marco Singapore Pte Ltd
Account Number : 015-902089-4
Swift Code: DBSSGSG
All local and overseas bank charges are to be borne by applicant.
2. After which an email confirming your reservation will be sent 2 weeks before course commences. Full payment has to be received by Excel Marco before the Early Bird Deadline otherwise early bird discount shall be revoked. Full payment has to be received by Excel Marco at least 2 weeks before course commences otherwise confirmation is void. In cases where payment is not received before the early bird deadline, Excel Marco shall revoke the early bird discount given.
3. Refund of any amount shall not be made for cancellation of training course, unless notification in writing is given not less than 1 month before course commencement. Administrative fees of 20% shall be imposed for all cancellations.
4. Refund of any amount **shall not** be made for any cancellation of examination regardless of notification period given.
5. Processing of application is subject to receipt of all stipulated forms and / or documents and must be duly completed and submitted together with full payment before the stipulated closing date.
6. All candidates applying for CFSE/CFSP examinations shall assume full responsibility of referring to the website of the Governance Board at <http://www.cfse.org> to read and fully understand all the terms and conditions set by the Governance Board.
7. Substitute participant is allowed for training course if notification in writing is given not less than 10 working days before course commencement.
8. Substitution of participant for the examination is not allowed. Examination participant is only strictly allowed to postpone the examination once only and have to take the exam in the next available date; otherwise exam fees paid will be forfeited.
9. Administrative fees of 20% of course fees shall be imposed for all short notice postponement (if notification in writing is given not less than 10 working dates before course commencement.)
10. Registering for the CFSE training course or examination constitutes your full acceptance of all registration terms and conditions, cancellation policies and refund policies. Excel Marco reserves all rights to cancel the training course or examination without specific reason or explanation. In such an unlikely event, written notification and 100% refund of fees shall be sent to participants.