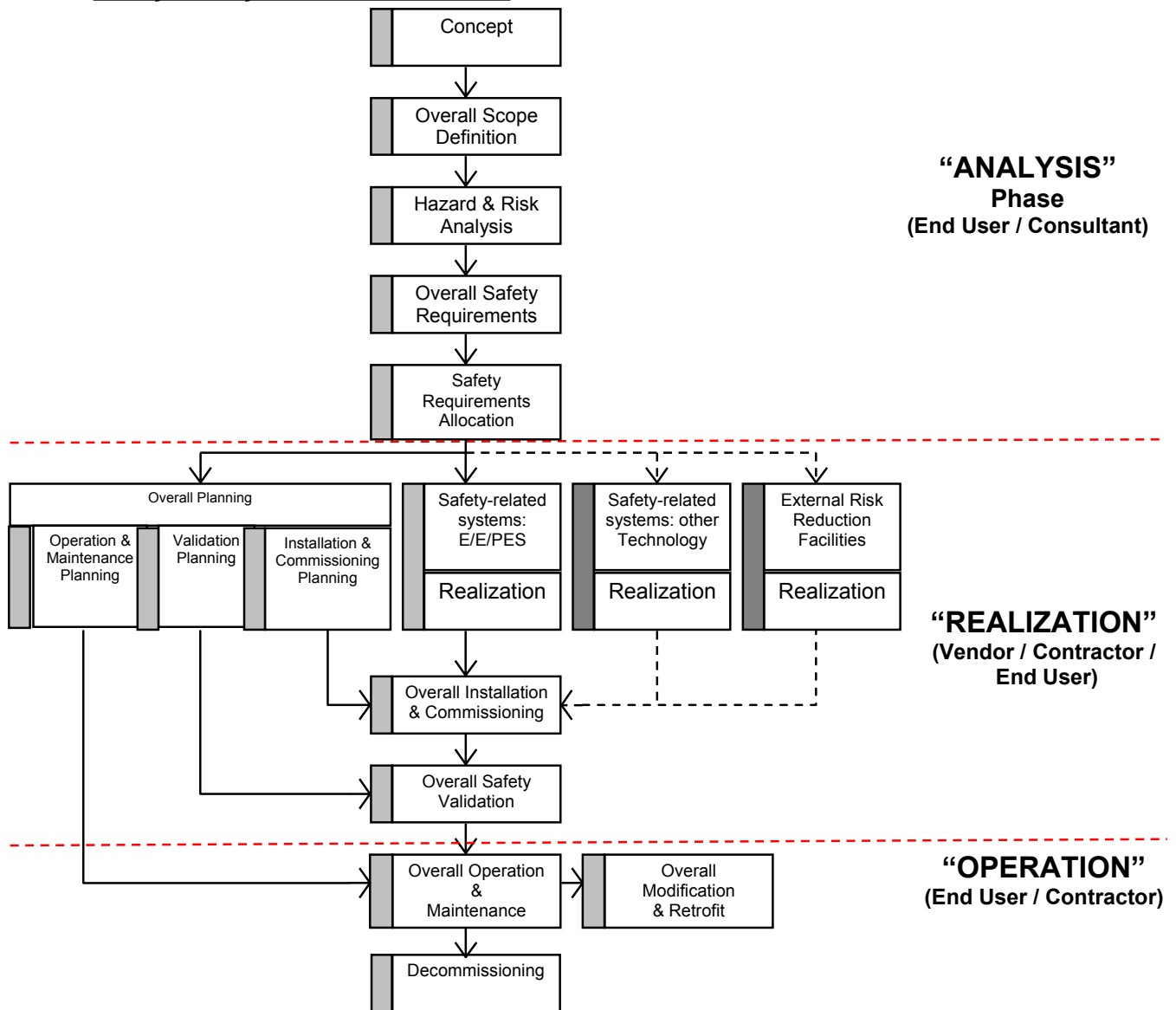


CFSE / CFSP Training & Certification

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 4 day training course 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

<p><u>Day 1:</u></p> <ul style="list-style-type: none"> • Introduction to Safety Instrumented Systems • The Safety Lifecycle • Principles of Risk Management • Probability • Process Hazards Analysis 	<p><u>Day 3:</u></p> <ul style="list-style-type: none"> • Safety Instrumented Functions, SIL Verification • System Engineering and Installation • Pre-Startup Safety Review • Operations and Management of Change • Safety Lifecycle Concepts • Key Standards Review 		
<p><u>Day 2:</u></p> <ul style="list-style-type: none"> • Layer of Protection Analysis (LOPA) • Safety Integrity Level (SIL) Selection • Safety Requirements Specification • Safety Instrumented System (SIS) Design • Fault Tolerant Architectures for Sensors, Logic Solvers and Final Elements 	<p><u>Day 4:</u></p> <ul style="list-style-type: none"> • Course Review • Extensive Problem Solving Session • Verification Tool Workshop 		
<p><u>Day 5: (Optional)</u></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"> <p>Test- <u>CFSE</u></p> <ul style="list-style-type: none"> • Multiple Choice (2 hrs) • Case Study (3 hrs) </td> <td style="width: 50%; border: none;"> <p><u>CFSP</u></p> <p>Multiple Choice and Short Answer (3 hrs)</p> </td> </tr> </table>		<p>Test- <u>CFSE</u></p> <ul style="list-style-type: none"> • Multiple Choice (2 hrs) • Case Study (3 hrs) 	<p><u>CFSP</u></p> <p>Multiple Choice and Short Answer (3 hrs)</p>
<p>Test- <u>CFSE</u></p> <ul style="list-style-type: none"> • Multiple Choice (2 hrs) • Case Study (3 hrs) 	<p><u>CFSP</u></p> <p>Multiple Choice and Short Answer (3 hrs)</p>		

Recommended Texts for Preparation of Examinations

- | | |
|---|------------|
| 1. Safety Integrity Level Selection | (\$) 85.00 |
| 2. Safety Instrumented Systems Verification | (\$) 95.00 |

Optional: Book Package (\$380) includes above books plus (3) Control Systems and Safety Evaluation Reliability, (4) Win/Win: A Manager's Guide to Functional Safety, and (5) CFSE Study Guide

**** All prices stated above exclude shipping.***

The training course is scheduled (subject to participation of min. 8 and max. 20) to be held from 12th of May 2008 to 15th of May 2008. A 10% discount off of registration will be offered if registered by April 4th.

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.

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

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.

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 CFSE or 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 Licenses, Registration & Certificates
3. Professional Conduct Statement
4. Case Study (CFSE only). 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
5. Payment for Examination Application Fees to CFSE.org

To submit by Education Institution, arranged by Applicant:

1. Record of Graduation, one for each institution listed in Examination Application Form

To submit by 4 Referees (2 for CFSP), arranged by Applicant:

1. Referee Statement, 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. 4 referees are required.



A. CFSE Training Payment

(* Test is administered by CFSE Governance Board; please see following page)

COST

Description	Fees
4 Day CFSE/CFSP Training Course (12 th through the 15 th of May) <i>Includes only training, course materials, study guide, and venue. Lunch is open.</i>	\$ 1,990.00 <i>(\$1790 before April 4th)</i>

SCHEDULE

Monday through Thursday
8:00 am – noon; break for lunch; 1:00 pm- 4:30 pm

LOCATION

La Quinta Inn and Suites Bush Houston Intercontinental
15510 JFK Blvd.
Houston, TX 77032
(281) 219-2000

PAYMENT DETAILS

1. Online at <https://www.exida.com/exida2/stores/1/CFSE-Functional-Safety-Engineering-I-II---Houston-TX-May-12---May-16-2008-P248C6.aspx>
2. Check/ PO:
exida
C/O Emily Smith
64 North Main Street
Sellersville, PA 18960

REGISTRATION TERMS AND CONDITIONS

Registration Terms and Conditions:

1. 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.
2. Substitute participant is allow for training course if notification in writing is given not less than 10 working days before course commencement. Substitution of participant for the examination is not allowed.
3. Registering for the CFSE training course or examination constitutes your full acceptance of all registration terms and conditions, cancellation policies and refund policies. exida 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 send to participants



B. CFSE Certification - Administration, Test, and Certificate Payment

CFSE is a separate entity; therefore, applicants are responsible for their application, testing, and certificate payment.

1. Cost \$850 CFSE
 \$750 CFSP

2. Payment Details

Please pay online directly at <http://www.cfse.org>

Notations-

1. Refund of any amount shall not be made for any cancellation of examination regardless of notification period given.
2. 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.
3. 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.