



## INCOSE Certification Prep for Systems Engineering Professionals

*INCOSE Systems Engineering  
Handbook Review*

*A Full-Day Tutorial  
Saturday April 19, 2008*

The International Council on Systems Engineering established its Professional Certification Program in March 2004 to provide a formal method for recognizing the knowledge and experience of systems engineers. The title of the baseline recognition of personal certification is "Certified Systems Engineering Professional, (CSEP)." Certification is a formal process whereby a community of performing skilled representatives, such as INCOSE, recognizes that a person has achieved competency in certain skills. Certification differs from licensing in that licenses are permissions granted by a government entity for a person to practice within its regulatory boundaries. Certification also differs from a "certificate" that documents the successful completion of a training or education program.

**You should attend this tutorial if you are:**

- Seeking the INCOSE CSEP credential
- A leader of a key member of a system development team
- Involved in the creative part of developing system solutions
- Looking for practical methods used today.

**This course is targeted for:**

- Systems Engineers
- Technical team leads
- Logistic support leaders
- Others who participate in defining and developing complex systems

Location: Teledyne Brown Cafeteria, 300 Sparkman Drive, Huntsville, AL  
 Schedule: 7:30 – 8:30 Registration & Continental breakfast  
               8:30 – 12:00 Section 1  
               12:00 – 12:30 Lunch – **Included in tutorial fee**  
               12:30 – 4:30 Section 2  
 Cost: \$75 - \$195 (see registration form). **Fee includes a bound reference manual**

Mail the registration Form on the last page with your check payable to: HRC INCOSE, O.O. Box 5015, Huntsville, AL 35814. Reservations will not be confirmed until payment is received. You must register by April 11, or pay an additional \$50 late fee at the door (if seating is available).

**ATTENDANCE IS STRICTLY LIMITED.  
RESERVATIONS ARE ON A FIRST-COME, FIRST-SERVE BASIS  
Topics Covered in the Course**

*This program is based on the INCOSE Systems Engineering Handbook v3.1. Please bring your own copy with you – the Handbook can be downloaded at [www.incose.org](http://www.incose.org) (free download for members)*

## **Introduction**

**Topic 1 – CSEP Requirements and SE Overview**

**Topic 2 – Generic Lifecycle Stages**

**Topic 3 – Technical Processes**

**Topic 4 – Project Processes**

**Topic 5 – Enterprise and Agreement Processes**

**Topic 6 – Systems Engineering Support Activities**

## **The Instructor: Becky Reed**

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Becky Reed is the President and CEO of Reed Integration, Inc., an 8(a), Woman-Owned, Small Disadvantaged Business based in Virginia, and is one of the first 42 people in the world to achieve the credential of INCOSE Certified Systems Engineering Professional (CSEP).

An Aerospace Engineering graduate of the University of Alabama, Ms. Reed is a nationally recognized authority on systems engineering and risk management and their applications in government and commercial markets. Her career includes leadership roles in establishing and managing systems engineering and risk management processes for aerospace, information technology, nuclear energy, and ecological science programs. Through Reed Integration, Inc. (RII), Ms. Reed has supplied technical and management consulting services including “turn-key” setup and implementation of systems engineering processes for government clients. Ms. Reed also provides customized technical training to government and commercial clients across the United States and offers public courses on various systems engineering, project management, and leadership topics. In association with Old Dominion University (ODU), her company continues to provide the very successful Professional Certificate in Systems Engineering to clients such as the US Navy/SPAWAR, Northrop Grumman Ships, and Northrop Grumman IT. Launch of the Professional Certificate in Project Management was completed in the Hampton Roads area of Virginia in October 2007 and the Professional Certificate in Program Management is scheduled to begin in April 2008 at Northrop Grumman. Graduates of each of these programs are eligible for up to six graduate level credits toward a Master’s Degree in Engineering Management from Old Dominion University.

A former President of the Huntsville, Alabama, chapter of INCOSE, Ms. Reed has also served as Director of Programs for the Hampton Roads Area Chapter of INCOSE in 2004, Vice-President in 2005, and President of the chapter in 2006. She received the Outstanding Service Award from INCOSE at the 2007 International Symposium for her work with the Huntsville, Alabama, and Hampton Roads Area Chapters and is currently a Region V Representative on the INCOSE Member Board.

Ms. Reed is also the Past-President of the Peninsula Engineers Council and is a member of the National Association of Women Business Owners (NAWBO) and the Project Management Institute (PMI). In December 2007, she received the “2007 Women in Business Achievement” award presented by *INSIDE Business* in the Hampton Roads area of Virginia.

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## **Sponsors**



<http://www.tbe.com/>



<http://www.reedintegration.com/index.phtml>

**19 April 2008 Certification Prep for Systems Engineering Professional Certification**

Name: \_\_\_\_\_ Email: \_\_\_\_\_

Phone: \_\_\_\_\_

Check if applicable: I am not a U.S. Citizen  (escort arrangements required)  
Current INCOSE member  Employee of tutorial sponsor  Full-time Student

Tutorial attendees:

Required documentation at door:

Current INCOSE member ..... \$120 (with membership card or number)

Employee of tutorial sponsor ..... \$140 (with employee ID)

Full-time Student ..... \$ 75 (with current ID card)

NOT a current INCOSE member ..... \$195

Tutorial fee enclosed (includes lunch and manual): \_\_\_\_\_

Please send completed form and check payable to *HRC INCOSE* to: HRC INCOSE, P.O. Box 5015, Huntsville, AL 35814 before April 11.

You may join INCOSE at [https://www.incose.org/cc\\_orders/joinINCOSE.cfm](https://www.incose.org/cc_orders/joinINCOSE.cfm)

Please address questions to: Chris DeRock (256-461-2841) or Larry Smith (256-313-8419).

Tutorial location: Teledyne Brown Engineering, Main Entrance Building A

