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Appraised at CMMI Level 3



# INCOSE Certification Program

May 10, 2018

*A 2010 DoD Nunn-Perry Award Winner*

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# ***Taking Your Career to the Next Level***

- Experience – Work in your chosen field
- Education – Go to school
- Mentorship – Learn from good people
- Involvement – Join industry organization, attend seminars/conferences
- Performance – Do great work and stand out
- **Certification – Gain formal recognition**

# *Why Should You Get Certified?*

- Experience – You have seen a lot.
- Education – You have knowledge.
- Respect – Your peers have confidence in your skills.
- Involvement – More than just your job; it is part of who are.
- Commitment – You are dedicated to advancing your field.
- Competence – You know your stuff.
- Service – You want to give something back (leave something behind).



# *Why Should You Get Certified?*

- More than “letters after your name”.
- In short, it is a tangible “mark of excellence”. (Everyone says they are “good” ... show us!)
- Often, you can get certified with less experience, time, and cost than other methods.

# *What is INCOSE?*



## **International Council on Systems Engineering**

Industry organization for systems engineers

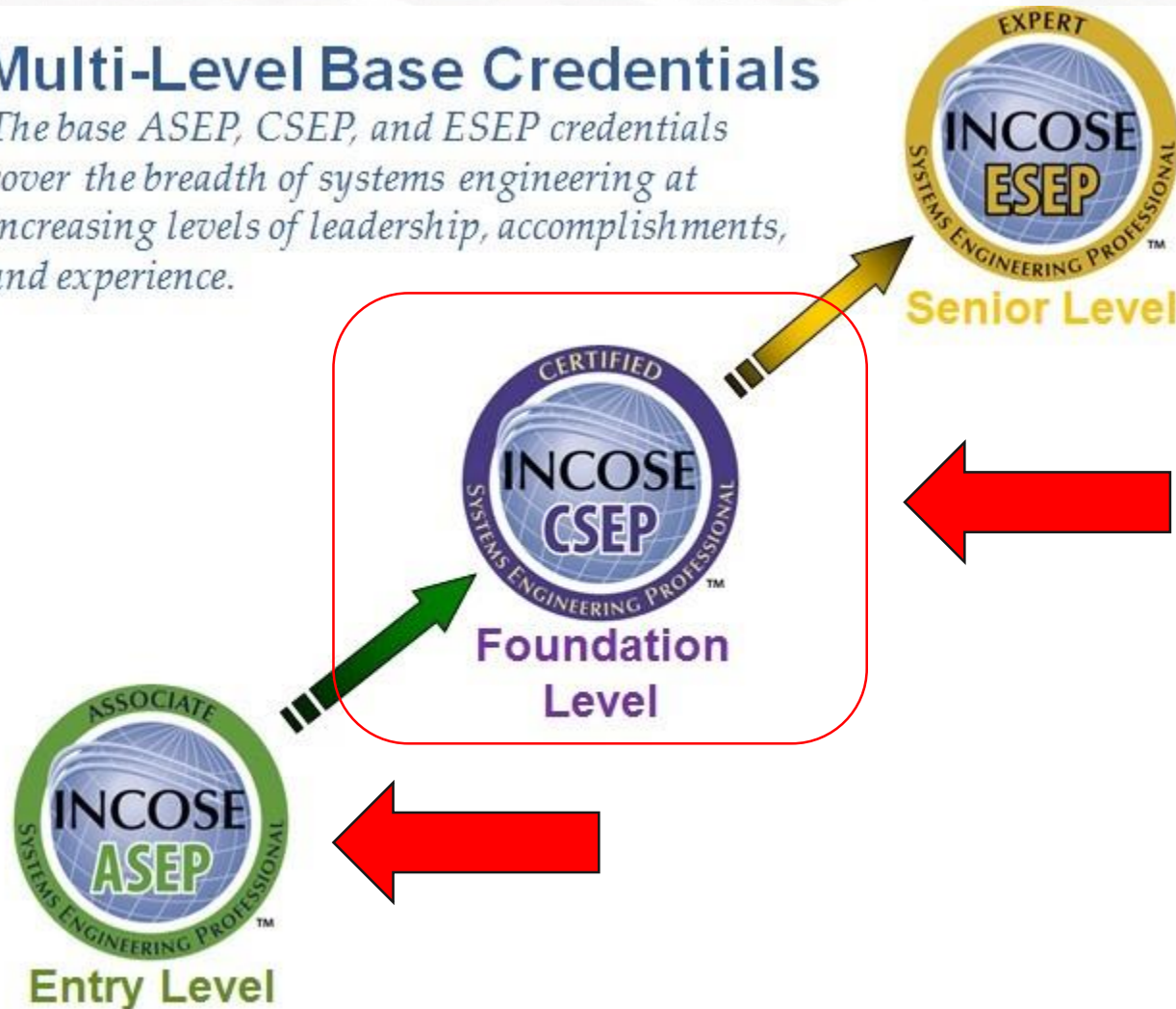
(Similar to IEEE, AIAA, SWE, PMI, etc.)

Local Wasatch Chapter

# INCOSE Certification Program

## Multi-Level Base Credentials

*The base ASEP, CSEP, and ESEP credentials cover the breadth of systems engineering at increasing levels of leadership, accomplishments, and experience.*







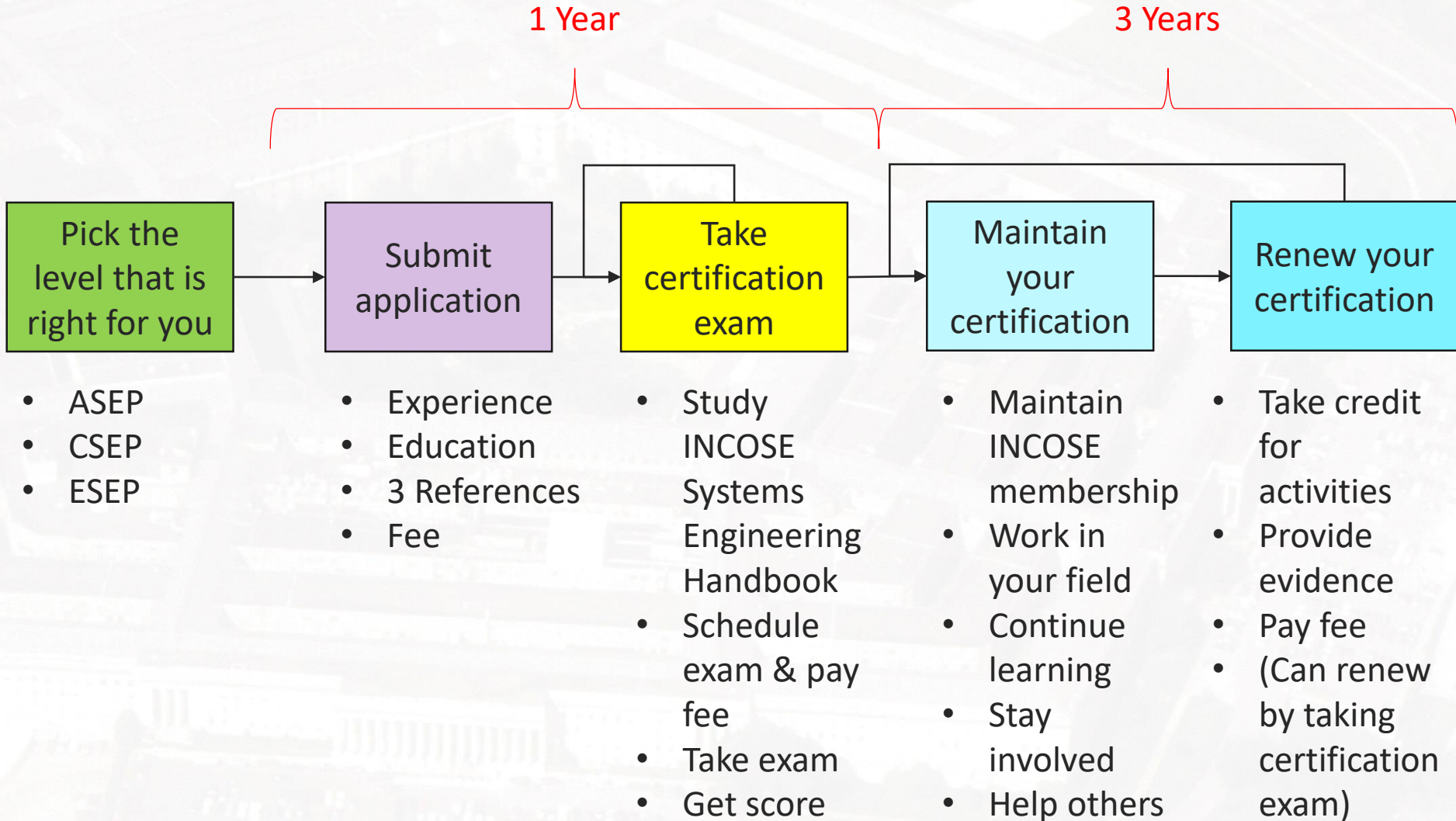
# Which Certification is Right for You?

Level	Leadership	Experience	Education	References	Exam
	None Required	None Required	None Required	None Required	Same Exam as CSEP
	None Required	Minimum 5 years SE experience ( <a href="#">see SEfunction area list below</a> )	Technical Degree (can be augmented with additional years of experience without a technical degree)	3 references (cumulative coverage of the years of experience)	CSEP exam based on INCOSE SE Handbook
	Accomplished and recognized leader in systems engineering	Minimum 25 years (20 if CSEP) SE experience ( <a href="#">see SEfunction area list below</a> ) Minimum 5 years of professional development credit	Technical Degree (can be augmented with additional years of experience without a technical degree)	3 references (cumulative coverage of at least the most recent 10 years of experience) Support panel review, if required	No examination, panel review

**\*INCOSE Membership is required.**



# The Process



# *Certification Exam*

- Source material is INCOSE Systems Engineering Handbook
- Closed book (Scratch paper allowed—must turn in)
- Given at a Prometrics testing center (6,000 locations worldwide)
- 2 Hours
- 120 Questions
- Multiple choice
  - Most have one answer
  - 40% have more than one answer (e.g., select 2, select 3)
  - No partial credit
- Receive your score right away (Pass or Fail)

Training is available.



Study groups can be arranged.

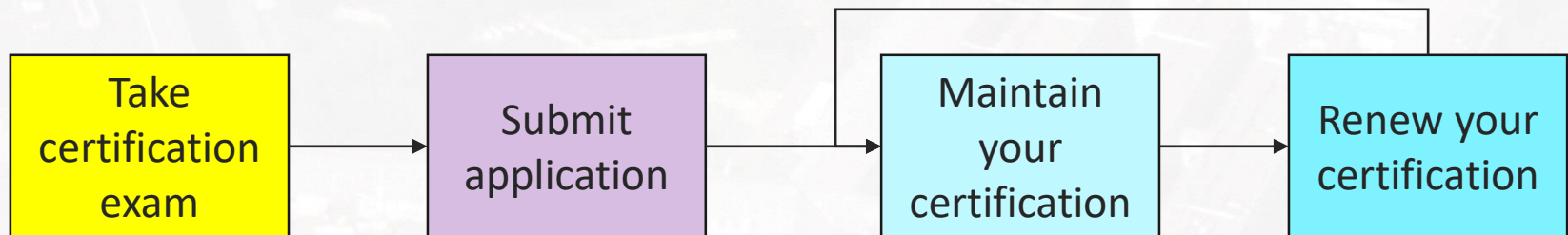
INCOSE Wasatch Chapter Meeting – May 10<sup>th</sup> @ KIHOMAC (Layton)

# An Alternative Process

Available at INCOSE Western States Regional Conference  
September 20-22, 2018 – Ogden, Utah

1 Year

3 Years



- Beta version
- Paper-based
- Receive score a few weeks later
- **NO FEE!**

- Still must pay application fee



# *Remaining Certified*

Certification Level	Renewal Requirements
ASEP	120 PDU Every Five (5) Years Must maintain INCOSE individual, senior, or student membership and transition to CSEP within 15 years
CSEP	120 PDU Every Three (3) Years Must maintain INCOSE individual, senior, or student membership if certified after 31 December 2015
ESEP	No renewal required, but must maintain INCOSE individual, senior, or student membership

**PDU = Professional Development Unit**

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## Example

- Serve as lead systems engineer ( $15 \text{ PDUs} / \text{yr} * 3 \text{ yrs}$ ) = 45 PDUs
- Be an INCOSE member ( $5 \text{ PDUs} / \text{yr} * 3 \text{ yrs}$ ) = 15 PDUs
- Attend INCOSE meetings ( $1 \text{ PDU/hr} * 12 \text{ mtgs} * 3 \text{ yrs}$ ) = 30 PDUs (maximum allowed)
- Volunteer activities ( $1 \text{ PDU/hr} * 10 \text{ hr/yr} * 3 \text{ yrs}$ ) = 30 PDUs
- **120 Total PDUs!**

# Conclusion

- Consider certification: take your career to the next level.
- Gain formal recognition with less experience, time, and cost.
- INCOSE has a certification program: ASEP, CSEP, and ESEP.
- Certification takes 1 year.
- Certification good for 3 years.
- After you get a certification, remain certified by staying involved in your industry.

- INCOSE Website: [www.incose.org](http://www.incose.org)
- INCOSE Wasatch Chapter Website: [www.incose.org/wasatch](http://www.incose.org/wasatch)
- INCOSE Certification Website: <http://www.incose.org/certification>