



29th Annual **INCOSE**
international symposium

Orlando, FL, USA
July 20 - 25, 2019

Alternate Paths to INCOSE Certification



Standard Path to CSEP Certification

	INCOSE CSEP
Work experience	Applicant submits written descriptions of his or her SE work experience allocated to work position and area of SE, with SE areas mapped to the INCOSE Competency Framework
Verification of experience	3 referents knowledgeable in systems engineering submit written description of their on SE qualifications and describe the SE work they have observed from the applicant
Education	Qualifying degree confirmed by image of diploma or transcript
Knowledge	100-question, timed, multiple-choice exam offered on paper or computer and based on published Learning Objectives



Alternate Paths to Certification: Summary



	SESA CASE for CPEng (Australia)	GfSE SEZERT (Germany)	US DoD DAU	Academic Equivalenci es (Cornell, UNSW, UDM)	UK competency path	Corporate and Academic MOAs
Work experience	Summary document	Confirmed by TUV	Summary document	Standard	Standard plus interview	Standard
Verification of experience	1 reference	Confirmed by HR department	Current supervisor signature	Standard	Modified forms plus interview	Standard, may be just 1 or 2 references
Education	Qualifying degree confirmed by EA	Qualifying degree confirmed by TUV	Qualifying degree confirmed by US DoD	Standard	Standard	Standard
Knowledge	Standard	Coursework	Coursework	Coursework	Standard	Standard



Super Secret Spy Path to CSEP Certification



	INCOSE CSEP
Work experience	Applicant whispers acronyms into a bottle, then corks it and throws into the Potomac
Verification of experience	3 referents knowledgeable in systems engineering write their initials in chalk on the side of a mailbox, then take a photo of that and send it via WhatsApp to Courtney
Education	Black belt in Karate or Tae Kwon Do, or certificate from the Culinary Institute of America
Knowledge	24-hour test of abilities wherein a customer asks you to solve a problem for them, then throws obstacles in your way. They tell you the wrong requirements and objectives, assign you team members who are more distracting than useful, and introduce new stakeholders at your final presentation. After all that, your score is based on performance on a crossword puzzle.



Common Misconceptions

- No way to describe classified work
- No way to get certified without engineering degree
- Need 25 years of references for ESEP



Next Steps for Cert Program

- Get the students taking the exam
- Get the US DoD certified
- Get the international universities connected