

Grandfathering

- Grandfather all who can show by experience and current license that they are practicing structural engineering
 - New education / experience / examination may not be enforceable if currently have license to practice
 - Do not grant SE license to PE/CE who are not currently practicing SE
 - Time limit to apply (I.e. 1 year, 5 year) – Grace Period of some kind
-

Grandfathering - Continued

- ❑ In favor of some kind of Grandfathering
 - ❑ Delayed implementation – no
 - ❑ Broad based within a given State – BUT limitations for Comity
-

Stakeholders / Partners / Allies

- Need to get CE's onboard
 - If no SE currently in state, may become SE by separate exam
 - Architects / Contractors to support SE Practice Act
 - AISC, TMS, PCI, ACI, DOE, NRC
-

Opposition

- Current CE's who would not be able to continue to practice structural engineering = Grandfathering
 - Buildings v. Bridges
 - Association of General Contractors
 - National Society of Professional Engineers
-

Opposition - Continued

- American Institute of Architects – Switch hitter
 - ACEC
 - ASCE Local organization
-

Resources Needed

- Money talks
 - Report / Documentation / Data: Why need separate SE license to protect public welfare/safety
 - Evidence / court cases of malpractice
 - New codes
-

NCEES MLE-SE Records Program

- Verification of experience / education / references
 - Model Engineering Law – Structural Engineer
-

NCSEA Certification Program

- Work in progress – Past 3 to 4 years
 - Separate Practice Act for SE is part of program goals
 - Independent of NCSEA
 - Pre-application are currently being accepted...based on experience
-

Uniformity Between States/Comity

- Comity
 - Different education / experience / examination requirements
-

Public Relations/Communications

- Need information program
 - Need Licensing Boards on board
-

Developing a Case for SE Practice Act

- Why required to protect public safety & welfare – Complex Structures/Codes
 - Sufficiently special skill set required to practice
 - Education
 - Experience
 - Examination
 - Legal case studies / known examples
-

Developing a Case for SE Practice Act - Continued

- Incompetent Practice
 - Computerization – use of advanced computer software by less competent engineers to try and design complex structures
 - Insurance cost
 - Comity
-

Definitions: Structural Engineer, Structural Engineering, Structure

- Buildings vs. Bridges
 - All structures
 - Partial list of structures/Buildings – Define by use, size, height, irregularity
 - Need to address Bridges – Separate license ?
-

Political Climate

- Timing – Need appropriate and at right time earthquake
 - Public relations – need to enhance
 - Legislative relations – Work with State Boards
 - Know the rules – Write bill early
 - Testify/Attend committee hearings
 - Passionate and Compromise
-

Political Climate - Continued

- Statute v. Rules
 - How to implement – State specific
 - Window of opportunity
 - Communication – Network...Proactive
 - Persistence but pleasant
-

Obstacles: Local / National

- State focused
 - Nation direction
 - ASCE – Alabama Case History
 - NSPE – General Practice v. Specialty
 - Need to speak/address Boards
-

Practice Act vs. Title Act

Political Realities

- Need Practice Act
 - Compromise – Start with Practice Act but may need to settle for Title Act initially
-

Political Action Committee (PAC)

- Money – Work the system
 - 501 C6 organization v. funds for lobbyist
 - Donations – nonprofit
 - Tax Consequences
-

Draft / Sample State Legislation

- NCEES MLE-SE is guideline / start
 - Need to have draft in place prior to going to Legislature
-

Motivating Local SEA's

- NCSEA Chapters / Members
 - Email Tree to align engineers with Legislators
 - Need email address for all participants
-

Implementation

- Rules
 - Board Policy
 - Legislation
 - Definition
 - Historic record – following major event
-