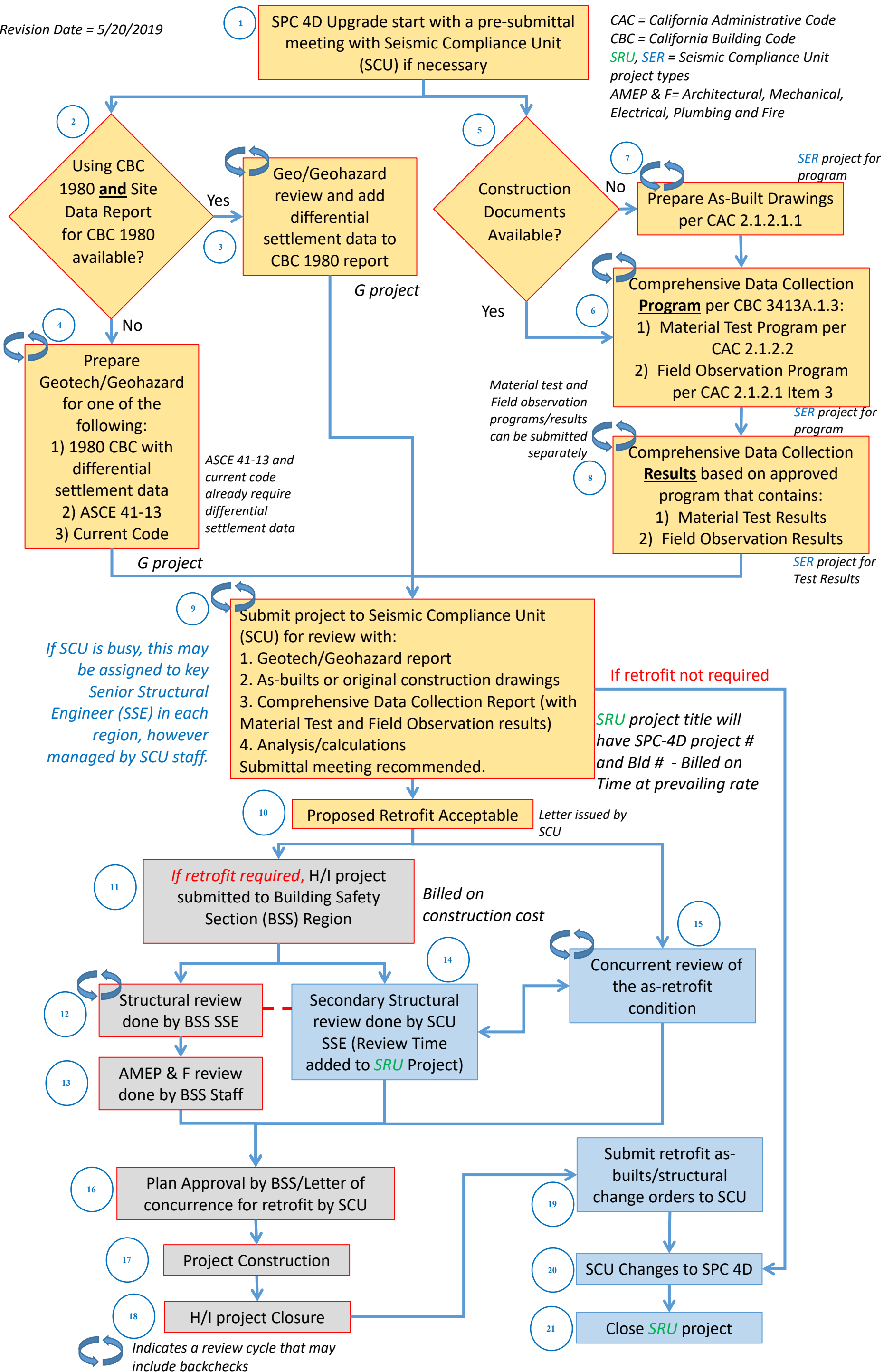


Revision Date = 5/20/2019

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 CBC = California Building Code
 SRU, SER = Seismic Compliance Unit project types
 AMEP & F= Architectural, Mechanical, Electrical, Plumbing and Fire



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1. Process Box: SPC 4D Upgrade start with a pre-submittal meeting with Seismic Compliance Unit (SCU) if necessary. Go to Items 2 and 5 in parallel.
2. Decision Box: Using CBC 1980 and Site Data Report for CBC 1980 available? If yes, go to Item 3; If no, go to Item 4.
3. Process Box: Geo/Geohazard review and add differential settlement data to CBC 1980 report. This is a G Project. Go to Item 9. A review cycle that may include backchecks, is indicated.
4. Prepare Geotech/Geohazard for one of the following: 1) 1980 CBC with differential settlement data 2) ASCE 41-13 3) Current Code. Note: ASCE 41-13 and current code already require differential settlement data. This is a G Project. Go to Item 9. A review cycle that may include backchecks, is indicated.
5. Decision Box: Construction Documents Available? If yes, go to Item 6; If no, go to Item 7.
6. Process Box: Comprehensive Data Collection Program per CBC 3413A.1.3: Material Test Program per CAC 2.1.2.2 Field Observation Program per CAC 2.1.2.1 Item 3. This is a SER project for program. Go to Item 8. A review cycle that may include backchecks, is indicated.
7. Process Box: Prepare As-Built Drawings per CAC 2.1.2.1.1. This is a SER project for program. Go to Item 6. A review cycle that may include backchecks, is indicated.
8. Comprehensive Data Collection Results based on approved program that contains: Material Test Results, Field Observation Results. This is a SER project for results. Go to Item 9. A review cycle that may include backchecks, is indicated.
9. Process Box: Submit project to Seismic Compliance Unit (SCU) for review with: 1. Geotech/Geohazard report 2. As-builts or original construction drawings 3. Comprehensive Data Collection Report (with Material Test and Field Observation results) 4. Analysis/calculations. Submittal meeting recommended. If SCU is busy, this may be assigned to key Senior Structural Engineer (SSE) in each region, however managed by SCU staff. SRU project title will have SPC-4D project # and Bld # - Billed on Time at prevailing rate. Go to Item 10, If Retrofit is not required go to Item 20. A review cycle that may include backchecks, is indicated.
10. Process Box: Proposed Retrofit Acceptable, Letter issued by SCU. Go to Item 11 and 15 in parallel.
11. Process Box: If retrofit required, H/I project submitted to Building Safety Section (BSS) Region, Billed on construction cost. Go to Items 12 and 14 in parallel.
12. Process Box: Structural review done by BSS SSE. Go to Item 13. A review cycle that may include backchecks, is indicated.
13. Process Box: AMEP & F review done by BSS Staff. Go to Item 16.
14. Process Box: Secondary Structural review done by SCU SSE (Review Time added to SRU Project). Go to Item 16.
15. Process Box: Concurrent review of the as-retrofit condition. Go to Item 16. A review cycle that may include backchecks, is indicated.
16. Process Box: Plan Approval by BSS/Letter of concurrence for retrofit by SCU. Go to Item 17.
17. Process Box: Project Construction. Go to Item 18.
18. Process Box: H/I project Closure. Go to Item 19.
19. Process Box: Submit retrofit as-builts/structural change orders to SCU. Go to 20.
20. Process Box: SCU Changes to SPC 4D. Go to 21.
21. Process Box: Close SRU project. End Flowchart