candidate warm up

Problems

- Pre-allocating candidates can speed up setup times
- However, it’s impossible to know how many candidates are needed until you have all streams and maybe an offer
- The specification defines one thing, implementations do another

Resolution

- “candidatePoolSize” setting/constraint
- Can be set in constructor or updateIce()
  - Non negative integer value, default zero
- Causes the browser to allocate candidates
  - “icecandidate” events are generated as normal
- Effective prior to setLocalDescription
- After setLocalDescription is called, candidatePoolSize is ignored
  - Actual number of candidates is determined by the local description

Remaining Items

- What to do about ICE state?
  - Proposal: icestate can be “starting” state during this time
  - !: the spec described a “new” state in Section 4.3.1, which is not described in the enumeration
- Editors to add to spec
  - Change step 1 for the RTCPeerConnection constructor
  - Add to the description for updateIce
  - Add definition of the constraint