This sequence diagram describes the registration and session pre-establishment for a Push-to-talk over Cellular (PoC) terminal.

The PoC Client publishes the current PoC Service Settings of PoC Client by sending a SIP PUBLISH request. PoC specific attributes like "incoming session permission", "answer mode", "incoming alert permission" and "simultaneous session support" are included in the message.

The IMS Core forwards the PUBLISH message to PoC Server.

The PoC Server acknowledges the PUBLISH message with 200 (OK) message towards IMS Core.

The PoC Server sends a SIP INVITE request with the Conference-factory-URI for the PoC service as the Request-URI to the SIP/IP Core A. The SIP INVITE request contains an SDP offer including necessary media parameters and the Talk Burst Control Protocol.

The P-CSCF acknowledges with 100 Trying message.

The PoC Client acknowledges with ACK message towards PoC Server.