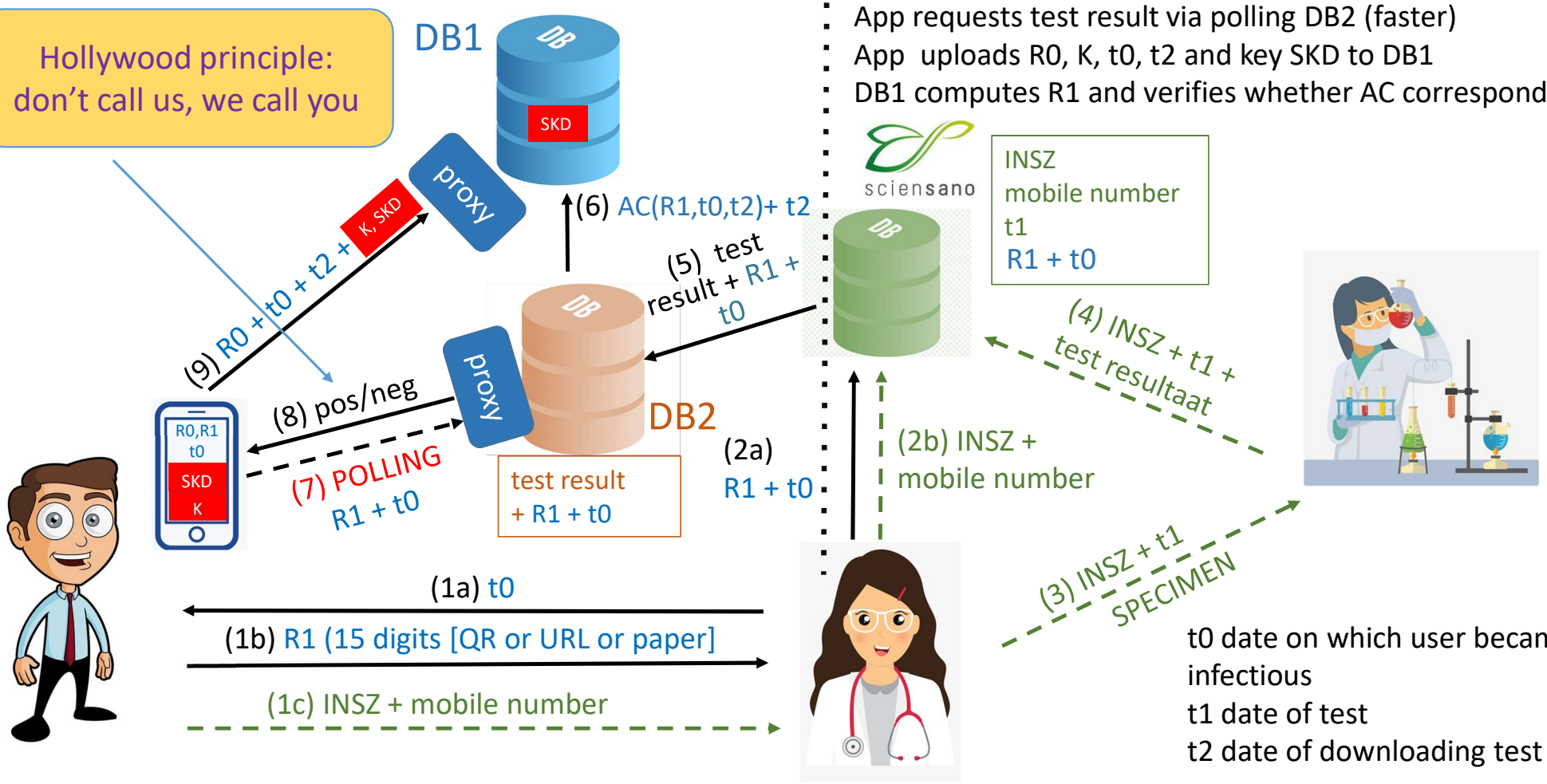
Authorisation protocol: polling

Hollywood principle:
don't call us, we call you



Test linked to app with random code R1 = H(K,R0,t0) (R0 = 256-bit random string)
Test result with R1+t0 for short time in database DB2
DB2 sends AC for R1,t0,t2 to DB1
App requests test result via polling DB2 (faster)
App uploads R0, K, t0, t2 and key SKD to DB1
DB1 computes R1 and verifies whether AC corresponds to R1

t0 date on which user became infectious
t1 date of test
t2 date of downloading test result