

Is ICAM eSIM being used? Which ones?

If this question is referring to our SIM Prize Challenge, the solutions are applicable to eSIMs. The same protocols and standards could be used on an eSIM, although the challenge focused on “hard” SIMs.

If the question is referring to SIM authentications and authorizations to the mobile network (carrier), that is outside of the scope of PSCR’s ICAM research efforts. We are focusing on mobile application ICAM which is a different authentication process than those provided by the network carrier. There is some overlap with the services provided by FirstNet built by AT&T, but even they have separate authentication for network access vs specific ATT mobile applications.

In the NIST ITL IoT Cybersecurity group, they have authored NIST IR 8259 IoT cybersecurity specifications. How does ICAM work with these specifications?

The NIST 8259 IoT specifications are high-level guidance for manufacturers outlining what device capabilities IoT devices need to be built with to be able to be integrated into an IoT environment. We have had a couple of publications come out in the last couple of months that cover different topics, but there is a section in 8259A that covers device identity since it is one of the foundational capabilities that devices need to have. ICAM might be related there but we have a special publication coming out soon that expands upon what is in 8259A and might give some more details on credentials and federated identities that 8259A doesn’t have. [Kat Megas](#) is our program leader so she may be the person to talk to for more information, along with [Mike Fagan](#) or [Barbara Cuthill](#) who are also on our IoT team.