Q

Q & A from Celona-Apple webinar

- **Q: Can you use FaceTime over private 5G LAN?**
  A: Yes

- **Q: In the past 999-XX was not favoured by IOS as it was not recognized. Has that been adapted? We are an EU System Integrator that wants to use our own MCC, MNC but we have no official certification. Does it mean we still have limitations with IOS?**
  A: Mobile Country Code 999 is the International Telecommunication Union (ITU) standard for identifying private cellular networks. iOS 17 and iPadOS 17 and later support private cellular networks that use Mobile Country Code 999 and country specific regulatory PLMNs for Private Cellular Networks.

- **Q: If connected with my iPhone on the private network, am I reachable on my public network phone number for a public voice (read GSM or VoLTE) call coming from outside of the enterprise?**
  A: Yes. If your iPhone is equipped with two SIM cards – one for the public network and another for the private network – you will remain reachable on your public network phone number for voice calls, even while connected to the private network.

- **Q: Will Apple also support URSP and the various slice types?**
  A: iOS 17 and iPadOS 17 support 5G Network Slicing. Network slices can be assigned to managed Apps using Mobile Device Management (MDM), or to an entire device or traffic category using URSP rules.

  A: If you are within coverage of a Mobile Network Operator, your iPhone should be able to make emergency calls, even if you are connected to a private data-only network. In most countries, local laws and regulations require wireless service providers to connect emergency calls, regardless of whether the caller has a SIM card, an active cellular plan, or connected to a private cellular network.

- **Q: Do you implement the 5QI for QoS (Quality of service) management and how do you handle the switchover from public to private network preserving the QoS for each flow?**
  A: Celona incorporates 5QI for QoS management using Microslicing technology. However, this is only limited to private wireless operation.

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- **Q: I know Celona can set priority via an application, but can I set network priority at a device level? Example, anything a security officers' device does have priority over all others.**
  A: Yes, this is possible with Celona's Microslicing technology

- **Q: Similar to device certifications can you post approved and test SMS, VoIP, and communication OTT applications? Ex Verizon One Talk, FaceTime, Hangouts, Cisco WebEx, Broadcom, etc....**
  A: Celona has a 5GLAN device certification program that includes a bunch of inter-operability tests.
  Celona.io/devices

- **Q: The new Geofencing capabilities are exciting... Will developer Apps be able to subscribe to Geofencing update events when crossing fences?**
  A: Due to privacy concerns Geofencing events will not be available

- **Q: Do you have to pay separate subscription for incoming calls from mobile operators or is it by default enabled?**
  A: Yes, you will need an active subscription from mobile operators to receive incoming voice calls.

- **Q: Does iOS 17 support OTA update for Private codes as more regulatory codes get defined by specific countries?**
  A: Apple will support regulatory network identifiers required for private cellular networks. Currently there are regulatory PLMNs in the USA, Germany, and Sweden. If there are additional regulatory PLMNs we will look at adding support to them in iOS and iPadOS.

- **Q: with the CellularDataPreferred option, can I reverse that so that I can force Wi-Fi to be preferred? Particularly to better support Wi-Fi calling on internal network.**
  A: The CellularDataPreferred option is not required. If you do not enable this option, Wi-Fi will be preferred.

- **Q: How do you handle voice traffic over b48/n78 in the US when connected to a Celona private deployment?**
  A: For private 4G/5G networks are data networks. Voice apps will be handled as OTT application of private network use-case.

- **Q: If you are in an area where you do not have public carrier coverage, does iOS 17 allow you to use the private cellular network for data and to tunnel out for the equivalent of Wi-Fi calling over a private cellular network?**
  A: If Wi-Fi Calling is turned on, your iPhone will attempt to use any available data connection, including your Private 5G or LTE network.

- **Q: As in case we wish to use private 5g as backhaul as in places where optical fiber is not possible how would it work in terms of throughput, link stability and latency and expanding further to customer ends**
  A: Internet backhaul is required for PCN operations. Celona has customers using satellite backhaul via Starlink.

- **Q: Do you support VoWIFI over private 5G network using iPhone?**
  A: Yes. If Wi-Fi Calling is turned on, your iPhone will attempt to use any available data connection, including your Private 5G or LTE network.

- **Q: Can you let me know who is contact in your company to discuss partnerships. We tried partners@celona.io, but it did not seem to work.**
  A: That is the correct email address.

- **Q: To have your private network act as a neutral host, do your Access/radio points need to support licensed bands along with B48?**
  A: Yes, Celona now supports neutral host with T-Mobile. More at https://www.celona.io/neutral-host

- **Q: is SUCI enforced with IOS17 and IPADOS17? If a SIM does not have SUCI support, will the iPhone still be able to attach to the p5G network?**
  A: Apple requires 5G Standalone networks to use SUCI encryption. More details are documented at: https://support.apple.com/guide/deployment/support-for-private-5g-and-lte-networks-depac6747317/web See the section,"5G standalone security and privacy requirements".

- **Q: Is there a dedicated effort to certify the fast-emerging RedCap devices and modules?**
  A: We are working certifying devices based on customer and partner needs. Please feel free to submit devices to Celona's certification pipeline at celona.io/devices.

- **Q: Does Celona have white label solutions?**
  A: Celona only sells through partners, who may brand them differently per their needs. Please reach out to partners@celona.io for more information.

- **Q: What authentication source can be used to configure/authenticate the eSIM?**
  A: I would refer customers to the GSMA Remote SIM Provisioning (RSP) Technical Specification, eUICC PKI Certificate Policy and Embedded UICC for Consumer Devices documents:
  https://www.gsma.com/esim/wp-content/uploads/2022/10/SGP.22-v3.0.pdf
  https://www.gsma.com/esim/wp-content/uploads/2021/02/SGP.14-v2.1.pdf
  https://www.gsma.com/newsroom/wp-content/uploads/SGP_05_v1_1.pdf
  https://www.commoncriteriaportal.org/files/ppfiles/pp0100b_pdf.pdf

- **Q: Can you choose multiple eSIM and apply ForcePreserveESIMonErase ?**
  A: The new forcePreserveESIMOnErase setting in in iOS and iPadOS 17.2 applies to all eSIMs installed on the device

- **Q: If there is no IMS in the network, does Apple iPhone attach to data only private network?**
  A: Yes. Apple features are infrastructure independent.

- **Q: How is PTT supported**
  A: PTT will be handled as an over-the-top (OTT) application on the Private 5G network

- **Q: is the NH implementation of Apple based on 2 SIMs?**
  A: Neutral host implementations are typically using a carrier SIM in a private network infrastructure.

- **Q: Are all carriers supporting neutral host?**
  A: Currently, Celona supports Neutral Host only with T- Mobile. We are working with other carriers and expect to support them in the future.

- **Q: Broadcasting public PLMN on private RAN" - the operating band is still B48, right?**
  A: Yes, correct

- **Q: Can MCC 001 be used for testing?**
  A: Yes, 001 can be used strictly for Testing only

- **Q: is the 3,8-4,2Ghz band also supported?**
  A: Yes 3.8 - 4.2 will be the n77. It is supported by Apple devices and Celona 5G LAN network

- **Q: I do not see 5G SA option**
  A: seeing the 5G SA enable option may depend on your device and carrier. The setting is visible on an iPhone 14 Pro on Verizon.