



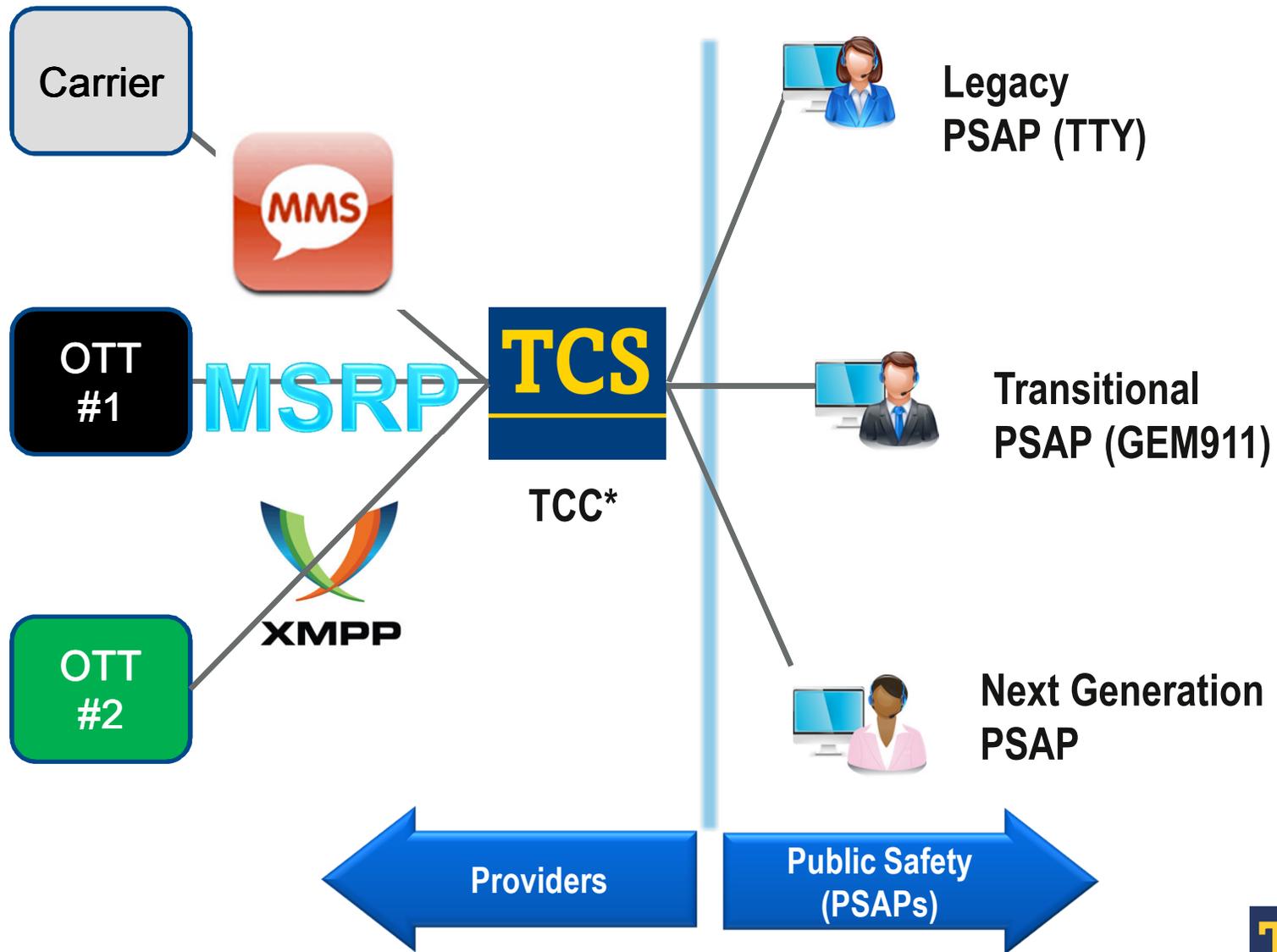
Text to 9-1-1 for Over the Top Providers

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Integration of OTT Providers

- OTT Providers can integrate into the existing J-STD-110 architecture by using the SMPP interface, and providing an access method to handset location.
- OTT Providers can use one of: MSRP, XMPP, or MMS (like MM7). These interfaces would be an extension to the existing TCC architecture.
- Bounce-back messages will be returned to OTT users just like for SMS users.

Integration of OTT Providers



*Standards Name = TCC, Also known as the TPC

Interfaces

- MMS – Multimedia Messaging Service: the TCC will need an MMS interface to carriers. Location would be retrieved using the same method as with SMS.
- MSRP – Message Relay Protocol: OTT providers send messages to the TCC in a Next Generation 9-1-1 format. Location is provided with the message. – Preferable –
- XMPP – Extensible Messaging and Presence Protocol: OTT providers send messages to the TCC. May need extension to provide location, or use a different method.

Summary

- MMS, MSRP & XMPP are technically feasible interfaces for OTT & TCC providers to implement.
- Work will be required to determine which new interfaces to add to the J-STD-110.
- OTT providers will need to implement a standard interface, i.e. i3/MSRP, SMPP or XMPP. They will also need to provide location data (MSRP/XMPP) or an access method (SMPP).