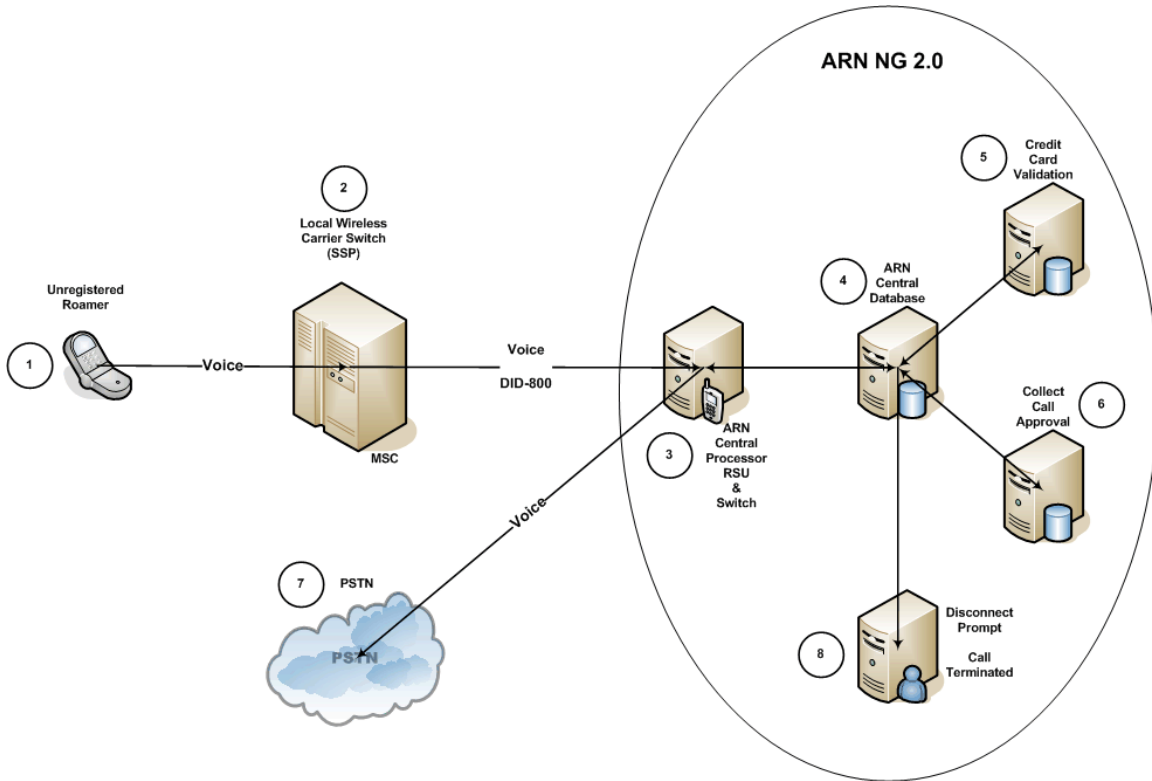




HOW IT WORKS - ARN 2.0 (Step by Step)

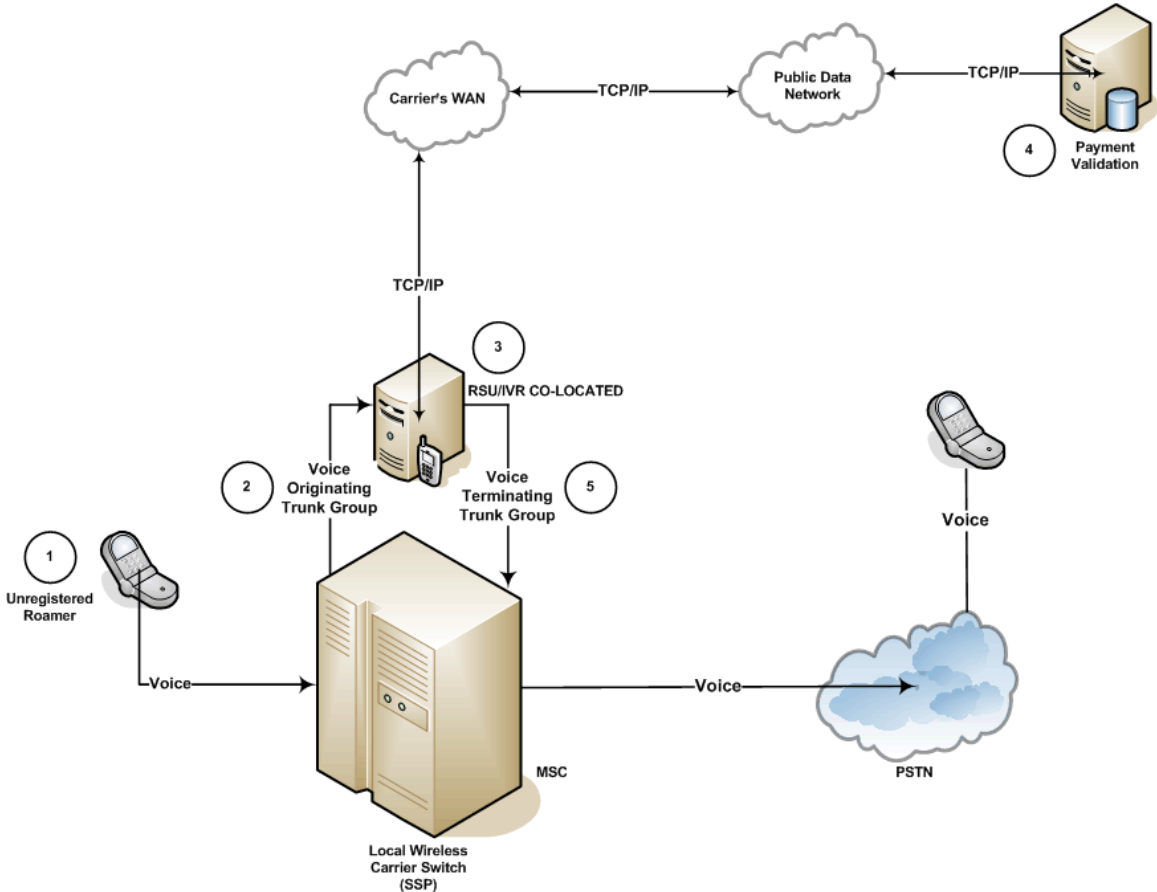
The following will document, step by step, how the American Roaming Network operates.



- ① Unidentified roamer places a call from wireless phone (TDMA, CDMA, GSM & AMPS networks)
- ② Local wireless carrier's switch (SSP) receives call and recognizes it as unregistered roamer.
- ③ The local switch sends call to ARN's central processing switch via ARN's dedicated DID and/or 800 # network, per carrier, per market.
- ④ ARN database performs velocity checks and fraud mitigation process.
- ⑤ If roamer selects Credit Card payment option, ARN attempts Credit Card validation
- ⑥ If roamer selects Collect Call payment option, ARN attempts Collect Call approval.
- ⑦ After successfully processing unidentified roamer's payment option, ARN completes the call to the PSTN.
- ⑧ Unidentified Roamer calls that do not receive validation and/or approval receive disconnects prompt and the call is terminated.

OPTIONAL RSU NG 2.0 Co-Located with Carrier

The following documents ARN's use of Co-Located RSU's with the Carrier. This is typically used for International Wireless Carriers.



The following will document, step by step, how the American Roaming Network Legacy RSU operates.

- ① Unidentified roamer places a call from wireless phone (TDMA, CDMA, GSM & AMPS networks)
- ② The MSC routes the call to the Co-Located RSU. The IVR announces the availability of ARN services.
- ③ The RSU collects the payment information from the mobile phone user and request payment validation.
- ④ The payment validation service either approves or declines the method of payment and notifies the RSU of the result.
- ⑤ If payment is approved, the RSU advises the caller and completes the call. If payment is denied, the RSU advises the caller and disconnects the call.