ENABLING CDMA-LTE INTERWORKING

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CDMA-LTE TRAFFIC GROWING

CDMA-LTE Interworking:
› Allows phased LTE deployment with roaming across networks
› Supports wide range of operator requirements and UE capabilities
› Delivers cost-effective coverage for Voice, SMS and Data calls
› Increases subscriber satisfaction
› Offers innovative & smooth network evolution

Supporting CDMA & LTE growth requires interworking between networks for better user experience & maximum operator revenues

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CDMA-LTE COEXISTENCE

Key CDMA-LTE features from network vendors

- eHRPD
  - eHRPD for seamless data
- Circuit Switched Fallback
  - CSFB for CDMA 1x voice calls
- Voice Call Continuity
  - Seamless VoLTE & CDMA 1x voice calls

Additional UE-based functionality like SVLTE for dual-radio UE are available

- EV-DO Rev. A
- DO Rev. B
- DO Advanced
- CDMA2000 1X
  - EVRC, EVRC-B
- 1X Advanced + HD Voice
  - EVRC, EVRC-B, EVRC-NW
- LTE

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EHRPD

- Enables phased build-out of the LTE network
- Allows operators to offer data roaming services
- Mitigates LTE transition challenges
- Delivers services continuity and expanded coverage

EHRPD enables continuity of data sessions and offers consistent user services across LTE and EV-DO
CIRCUIT SWITCH FALLBACK

- Deploy CSFB for single radio terminals
  - Deploy Simultaneous Voice and LTE (SVLTE) for dual-radio terminals
- Enable CSFB via standards based interface between CDMA and LTE
- Reuse existing CDMA network which offers VoLTE deployment flexibility
- Support roaming for single radio mobiles

Efficient & Economical

- **Single Radio Mobiles**
  + Lower Cost Terminals
  + Less Battery Power
  + Smaller handset

Allows CDMA-LTE operators the benefit of falling back to proven CDMA voice network
VOICE CALL CONTINUITY

› Minimize disruption to VoLTE calls when moving from LTE to CDMA
› Enable VCC through standards based interface and VCC-aware UE
› Support high-mobility users between networks
› Allows roaming on CDMA, where LTE coverage is unavailable

Seamless Voice Calls
› Reduce call drops – Improve KPI for voice calls
› Easier transition of voice calls from LTE to CDMA

Allows operators the benefit to deliver seamless and highly reliable voice across CDMA – LTE network
CAPITALIZE ON ROAMING WITH CDMA-LTE INTERWORKING

1- Spotty LTE Coverage
   eHRPD for seamless data

2- LTE Coverage Islands
   CSFB for 1X Voice

3- Contiguous LTE Coverage
   Introduce VoLTE with VCC for seamless voice calls

Deploy Complete Solution To Unlock Roaming Opportunities