

DTMF ANI and DNIS Protocol

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ANI: Automatic Number Identification
DNIS: Dialed Number Identification Service

- **ANI**
 1. Modulation: DTMF
 2. Digit On Time: 100ms
 3. Digit Off Time: 75ms
 4. Length of Data: 10 digits
 5. EOT char Frequency: DTMF Tone “#” (941Hz ,1477Hz)
 6. EOT char Duration: 100ms
 7. Send data only one round
 8. No verification
 9. No handshake
 10. No KissOff

- **DNIS**
 11. Modulation: DTMF
 12. Digit On Time: 100ms
 13. Digit Off Time: 75ms
 14. Length of Data: 4 digits
 15. EOT char Frequency: DTMF Tone “#” (941Hz ,1477Hz)
 16. EOT char Duration: 100ms
 17. Send data only one round
 18. No verification
 19. No handshake
 20. No KissOff

EOT: End Of Transmission

- **Transmission**

After the receiver go off hook, the phone switch waits for about **500ms** and then delivers data to the receiver. Phone switch will send data at first, and then EOT char. If there are DNIS and ANI, sends DNIS at first, followed by 2000 ms pause, then sends ANI.

a. Overall Transmission:

