

Customer

- Many: Many participations with service
- 1: Many with call
- Mandatory with salesRepresentative

Service

- Mandatory participation with Rate
- Many: Many participations with Customer

Rate

- 1:1 Mandatory with service
- 1:1 Mandatory with CallingCode

Call

- Mandatory participation with CallingCode
- Mandatory participation with Customer

CallingCode

- Mandatory with Rate
- 1:Many with Call

SalesRepresentative

1: Many with Customer

Customer (telephoneNo, fName, lName, zipCode, city, street, stateCode, country, comissionRate, salesRepresentativeId, serviceNo)

PK: telephoneNo

FK: salesRepresentativeId References SalesRepresentative(salesRepresentative)

Service (serviceNo, serviceType, countryCode, peakPeriod, offPeakPeriod)

PK: serviceNo

FK: countryCode References CallingCode(countryCode)

Rate (rateId, effectiveDate, countryCode, serviceNo, peakRate, offPeakRate)

PK: rateId

FK: countryCode References CallingCode(countryCode)

FK: serviceNo References Service(serviceNo)

AK: effectiveDate, toCode, serviceNo

CallingCode (countryCode, countryName)

PK: countryCode **AK:** countryName

Call (callId, countryCode, telephoneNo, toTel, duration, callDate, callTime)

PK: callId

FK: countryCode References CallingCode (countryCode)

FK: telephoneNo References Customer(telephoneNo)

SalesRepresentative (salesReperesentativeId, fName, lName)

PK: salesReperesentativeId

*: * relationship

customerServices (custServiceId, customerName, serviceNo, telephoneNo)

PK: serviceId

FK: serviceNo References Service(serviceNo)

FK: telephoneNo References Customer(telephoneNo)

AK: telephoneNo, serviceNo