Logical DB Design

Customer (customerID, fName, lName, telephoneNo, city, street, state, zipCode, country, salesRepID, serviceNo, commissionRate)

Primary key: customerID

Foreign key: salesRepID Reference SalesRep (SalesRepID)

Foreign key: serviceNo Reference Service (SeriveNo)

SalesRep (salesRepID, fName, lName)

Primary key: salesRepID

Service (name, country, peakStart, peakEnd, serviceNo)

Primary key: serviceNo

Call (callsID, fromCode, toCode, fromTel, toTel, duration, callDate, callTime, customerID)

Primary key: (callsID)

Foreign key: fromCode Reference CallingCode (code)

Foreign key: toCode Reference CallingCode (code)

Foreign key: customerID Reference Customer (customerID)

CallingCode (code, countryName)

Primary key: code

Alternative Key: countryName

Rate (peakRate, offPeakRate, code, serviceNo, effectiveDate)

Primary key: (code, serviceNo, effectiveDate)

Foreign key: serviceNo Reference Service (serviceNo)

Foreign key: code Reference CallingCode (code)