Credit Card Processing

Authorization:
Authorization
do/ authorize
payment

Payment

Update
do/update
credit

Paying
do/ make payment
to merchant acc

Verifying
do/ verify payment

Authorization

Request
do/request payment

Verification
do/verify CVV
do/check expiry date

— verified →

Authorizing
do/check credit limit
do/ authorize payment

Expired

authorized

[reached credit limit]

Credit Card Processing System

Credit Card Management System

Customer

Bank

Merchant

- Authentication
- Transaction ID
- Credit Card
- account
- Debit Card
- Payment
- Cash

<<includes>>

<<includes>>

Credit Card Processing System

Credit Card Processing System

: Customer

: Credit card

: Payment Gateway

: Transaction

Initiate

Enter card info

Activate

<<creates>>
generate transaction

<<destroys>>
Transaction Successful

Payment Success

Update Transaction Completion

Terminate