The No Compromise Charge Card

NC3

To improve charge card transaction security in all avenues of commerce making mass charge card information theft a profitless crime. Do so without massive infrastructure costs for any participant: consumer, merchant or provider. Reduce transaction times and provide additional operational enhancements for all participants.

In 10 slides or less

Why is NC3 Important To You?

Financial stability is a major support of our lives.

Life

FINANCIAL STABILITY

DEBIT   EQUITY   CREDIT

Credit card compromise is painful.
Debit card compromise can be ruinous.

In 2014 over 1.4 billion accounts were compromised
In 2016 over 3.0 billion accounts were compromised

What Is NC3?

NC3 is a new way of thinking about security, moving from more complex and expensive locks to a simpler and cheaper solution that opens a wide range of new capabilities.

NC3 makes stealing charge card information a *profitless* crime. Denying a potential cyber crook any possible reward is winning without fighting.

Better Bulb Thinking

How does NC3 Work?

NC3 provides a true-token **not** generated from the credentials plus a separate dynamically encrypted, one-time-use, self-expiring approval.
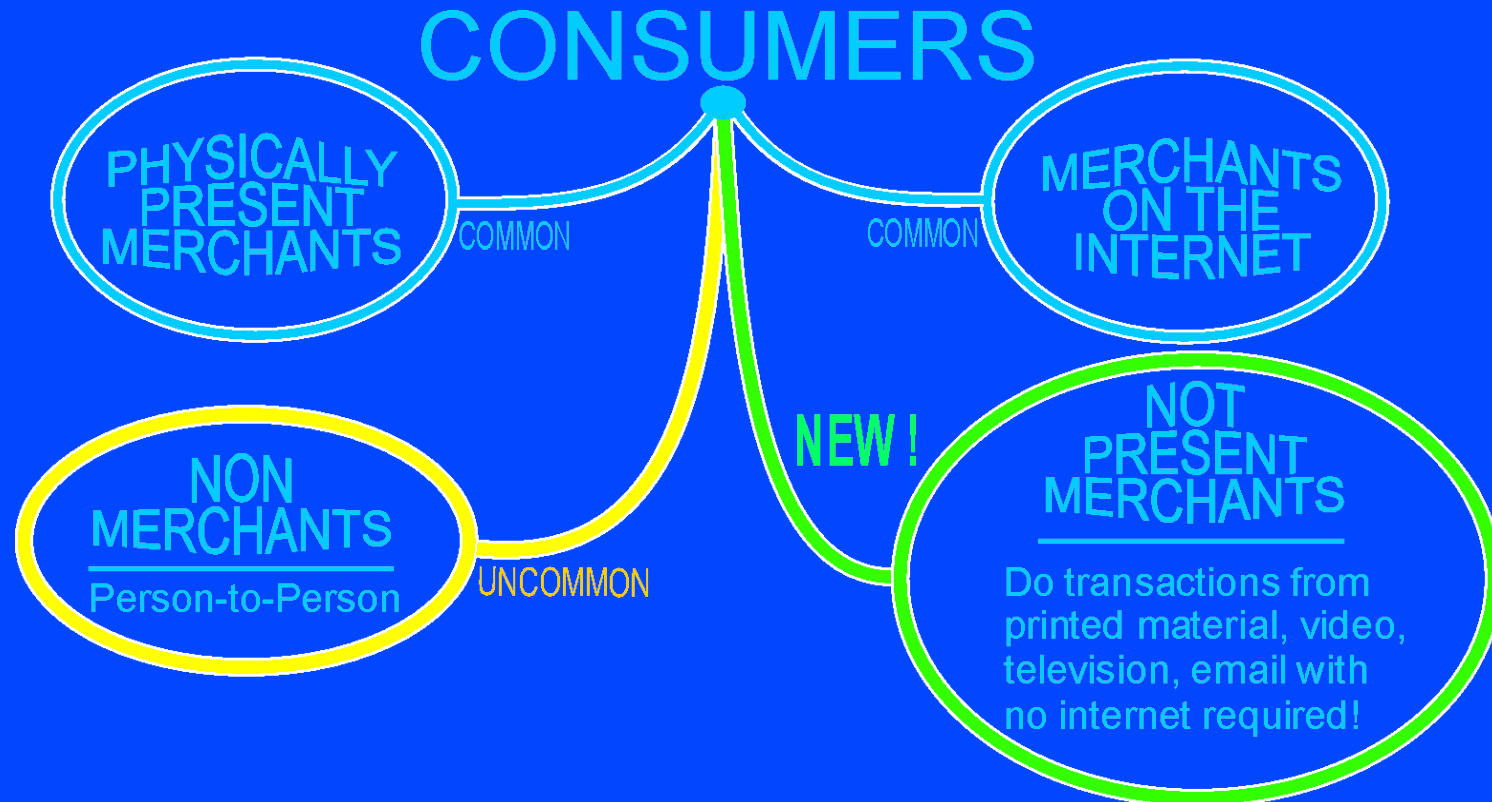
Confidential Consumer Credentials are _never_ in merchant custody.

The NC3 Way

The Old Way

CONSUMER

TRUE-TOKEN
&
DYNAMIC
ENCRYPTED
APPROVAL

CONFIDENTIAL
CONSUMER
CREDENTIALS
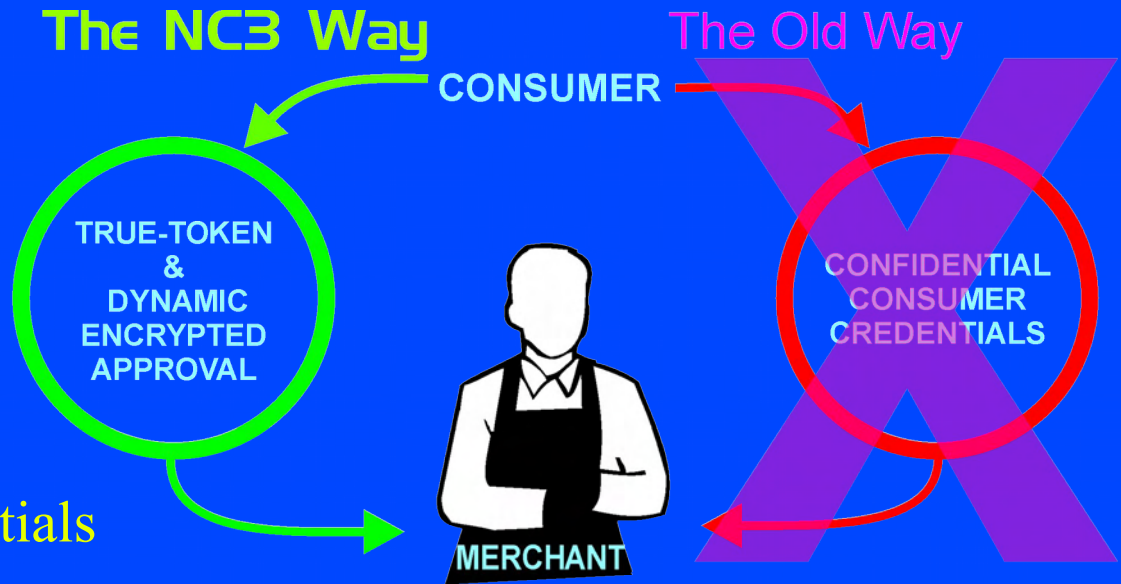
MERCHANT

What merchants don't have crooks can't steal

Where Can You Use NC3?

NC3 can be used anywhere! You can be physically present at a merchant (brick & mortar), electronically present on the internet, or not connected to a merchant at all. You can even do transactions person-to-person.

CONSUMERS

PHYSICALLY PRESENT MERCHANTS

COMMON

MERCHANTS ON THE INTERNET

COMMON

NON MERCHANTS
Person-to-Person

UNCOMMON

NEW!

NOT PRESENT MERCHANTS

Do transactions from printed material, video, television, email with no internet required!

Who Benefits from NC3?

All participants in commerce, including billions of consumers, millions of merchants and dozens of providers benefit from adoption of **NC3**. Some reasons are listed below. See *Notes* for more.

Consumer Security & Operational Enhancements

NC3's communications can't be intercepted unless the crook is between you and terminal. Altered card swipers gather nothing of value. Each transaction is encrypted differently and perfect copies are useless.

Enhancements include: Touchless Operation, Voice Command, Order-in-Advance, Person-to-Person transactions, Foreign Currency detection, multi-choice Gratuity Calculator, Sub-Accounts, not-to-exceed authorizations, all in a single interface,

For Merchants

Not holding consumer credentials reduces risk. Using existing communications and transaction infrastructure (no new hardware required) reduces costs. Order-in-Advance allows for complex ordering and increased queue speed because the consumer arrives at checkout with the charge already authorized. More: Easy Wireless Tableside Checkout, Foreign Currency awareness, optionally initiating the Gratuity Calculator, and migration possibilities to eBilling for conventional services (think printed utility bills), and more.

For Providers

Add revenue enhancement and cost savings to security and operational enhancements. If the underlying credentials are never revealed, it is unnecessary to *ever* re-issue a card and that reduces cost. The **NC3** identifier can be re-provisioned by the consumer without assistance.

Revenue enhancements include the over six billion dollars in fees annually earned by companies whose reason for existence is the security that **NC3** provides at no extra cost. Add the revenue from an estimated 40% of consumers who avoid e-commerce simply because of security concerns. There is more.

When Will NC3 Be Here?

When enough people get tired of replacing their cards and dealing with credit monitoring.

When you're sick of being worried, get mad as hell and won't take it anymore.

When you get riled up and let providers, merchants and your politicians know a better way exists and you want it!

Never doubt that a small group of thoughtful, committed citizens can change the world; indeed, it's the only thing that ever has.

Margaret Mead
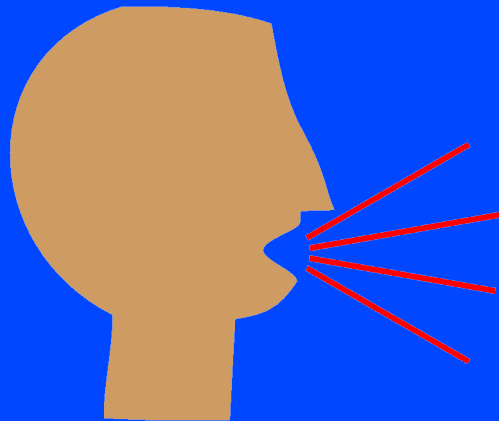
How do you let them know? See

http://nc3.mobi/how-to-get-nc3/

NC3 has multiple goals
to benefit consumers, merchants and providers

Improve Security
  Protect consumers, reduce loss risk and liability by ending the tempting lure
  of massive volumes of consumer credentials held by merchants.

Add Operational Improvements
  Reduce order and transaction times
  Increase security AND ease-of-use
  Create one mode for all commerce avenues

Reduce Costs
  Reduce implementation cost by using existing hardware
  Reduce transaction cost by using existing transaction infrastructure

Long term trends guided NC3 development

Crooks are Not Dummies
They are just as smart as anyone else and, absent committee meetings, binding regulation or moral constrictions, they are more efficient taking just seconds to compromise systems and minutes to exfiltrate data.

There is a Traffic Change on Avenues of Commerce
NC3 can provide better and simpler security for growing electronic and mobile commerce and provide for traditional brick and mortar retail, restaurant, service and other in-person commerce.

Make Life Simpler
Use technology consumers, merchants and providers *already* have.

Be Effective *and* Efficient *and* Fair
Be secure and do so while making living better, not more complex or confusing. Include benefits for all participants. Don't burden some while rewarding others.

For More Information About
The No Compromise Charge Card

See the web site
www.NC3.mobi

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I want
NC3

How secure is **your**
charge card data?