

EMV[®] Secure Remote Commerce Pt. 2



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Enabling the Future of Secure Identity









ATM



Communication & Education



Debit Routing



EV Open Payments



Mobile & Touchless Payments



Payments Fraud



Petroleum



Testing & Certification



Transit Open Payments

Core Technologies

- AI
- Authentication
- Biometrics
- Blockchain
- Fraud / Cryptography

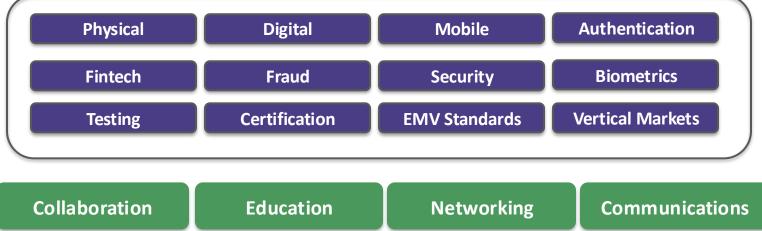
- Digital ID
- Communication & Education
- Identity Assurance
- Identity & Access Management
- Applied Technologies
- Trust Frameworks

MEMBER-LED ORGANIZATION



U.S. PAYMENTS FORUM MISSION

Our mission is to foster dialogue between industry stakeholders to enable efficient, timely and effective implementation of emerging and existing payment technologies through education, guidance, and alternative paths to adoption



TODAY'S SPEAKERS



Clinton Allen EMVCo



Cameron Laird
Discover



Pieter PelserVisa



Michael Sulla Mastercard



New Consumer Experience Guidance For Click to Pay (EMV[®]SRC)



Click to Pay Recap



EMVCo Consumer Experience (CX) Evolution



The Problem: Poor CX Means Less Business



The Role of CX in Conversion



Case Study: The Guest Checkout Experience



A look at the new Click to Pay CX Guide



Current State





Click to Pay Recap



What is Click to Pay: The consumer facing checkout experience of EMVCo's EMV® Secure Remote Commerce (SRC) Specification



What it does: Provides connectivity and interoperability between participating consumers, payment credentials, issuers and merchants through a standardized interface and single user ID (i.e. email or phone #)



Why: To provide a simplified, secure, convenient solution for ecommerce, resulting in effective conversion and fraud management



How: Click to Pay is based on the EMV SRC Specifications to provide a common baseline for development



Where: Anywhere you see the Click to Pay icon:



More Info: <u>U.S. Payments Forum</u>
<u>SRC Webinar #1</u>, <u>EMV® Secure</u>
Remote Commerce





Click to Pay Consumer Experience (CX) Evolution

- Click to Pay CX is evolving to a more "Merchant Orchestrated Checkout"
- Merchant Orchestrated
 Checkout takes place within
 CX controlled by merchant
- That means merchants develop the Click to Pay CX NOT the SRC Systems

BUT...

Past industry feedback to EMVCo was that inconsistent CX created confusion

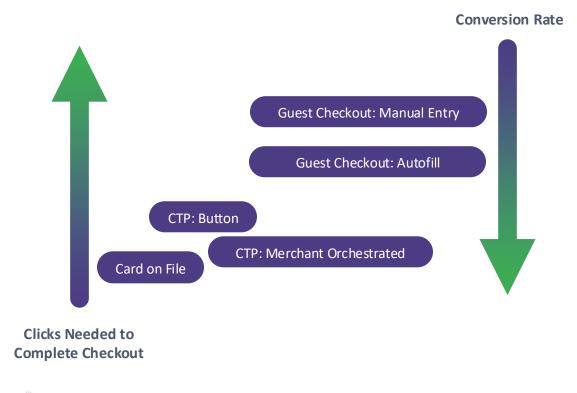
SO...

- EMVCo has created new CX guidelines with input from designers and extensive research
- Focus: Develop guidance for "Merchant Orchestrated Checkout" experience
- Will improve not only CX, but also Developer Experience (DX)
- EMVCo has published this new guidance in an interactive format based on current industry best practices
- The guidelines are now available on the EMVCo website





Complexity at Checkout is the Enemy of Completing a Sale (Conversion)



- Complexity and friction reduce conversion; each keystroke reduces the likelihood of conversion
- Many users opt for guest checkout, which requires significant data entry
 - Key entry of primary account number (PAN), expiration date and security code increases friction
- The result is an unnecessarily high abandonment rate





Case study: The Guest Checkout Experience



Guest Checkout is universally offered



It always requires a lot of data entry



The most difficult part of key entered data – PAN, expiration date, security code – can be eliminated using different methods including Click to Pay



Payment credentials can be accessed through data already entered in guest checkout – email address



Click to Pay CX integrates with merchant experience – no more button or overlays

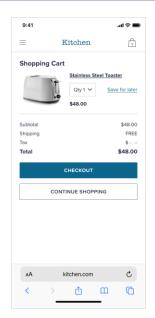


More secure because of integration with capability to tokenize

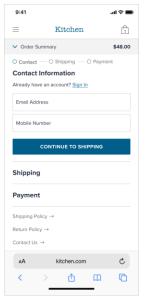


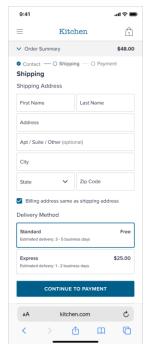


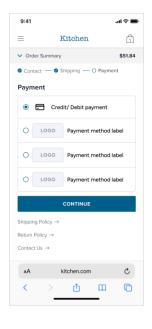
Comparison: Typical Guest Checkout

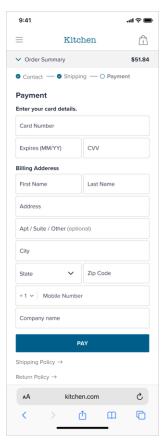








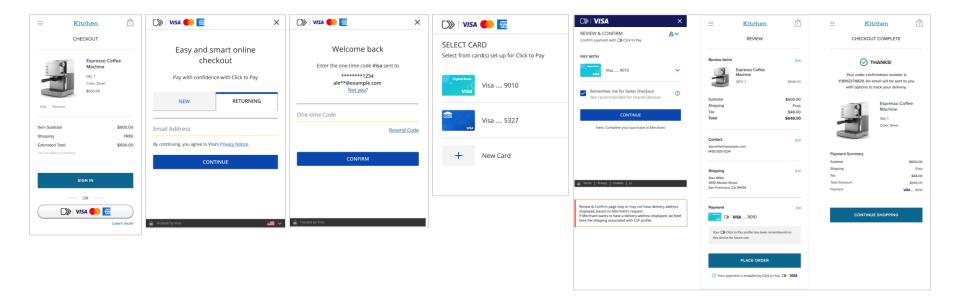








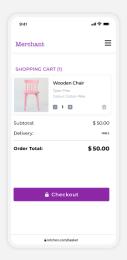
Comparison: CTP Button Flow (The Old Way)



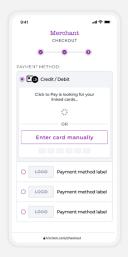


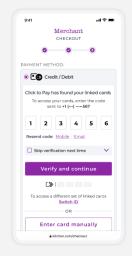


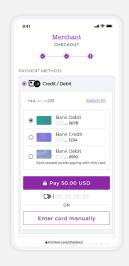
Comparison: Click to Pay Merchant Orchestrated (The New Way)

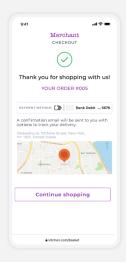


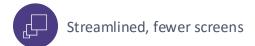




















Customer Success Story



norwegian ×

Context and challenge

- Norwegian Air Shuttle (NAS) is one of Europe's largest low-cost airlines, operating a short-haul network across the Nordics and to key European destinations. NAS partnered with Mastercard to pilot Click to Pay, enabling customers to have an enhanced guest checkout experience
- When presented to Click to Pay, NAS quickly understood that Click to Pay was a good solution to enhance the experience for their customers when booking a flight online
- NAS has always been at the forefront of technology and was happy to become an early Click to Pay adopter leveraging the Mastercard Gateway

Positive uptake and higher conversions with Click to Pay

20%

of successful card payments converted to Click to Pay¹

3%

uplift for approval rates1

Superior checkout experience driven by easy enrollment and faster checkout

50%

reduction in checkout time through the returning user flow compared to standard checkout experience³



Dagfinn Misund Head of Payments **Norwegian Air Shuttle**

"As one of Europe's leading low-cost airlines, we're committed to making smart moves that benefit our customers. To drive a best-in-class experience for our customers booking online, we've worked closely with Mastercard to deliver Click to Pay.

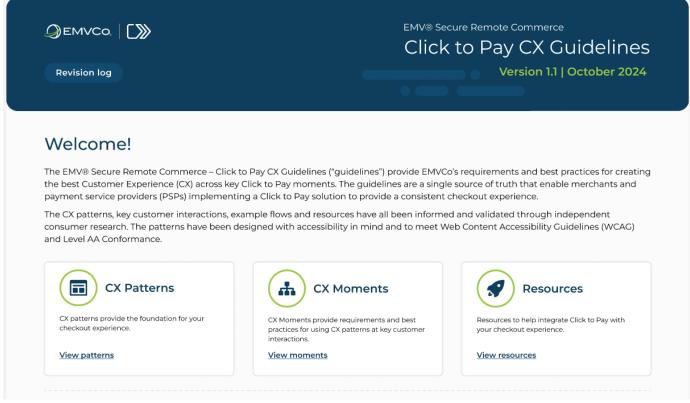
Click to Pay provides a smarter and more secure way to pay online...by enabling a more seamless and frictionless experience, it's reducing the time for our customers to complete their payment. Initially piloting in the UK, we're now extending our launch into other markets so all our customers can benefit from the same improved checkout experience."





- Data provided by Norwegian Air Shutt
- 2. Mastercard Click to Pay en rollment dash board: Enrollment Analysis Tableau Server
- 3. Mastercard Internal Analysis

Click to Pay CX Guidance: Landing Page







Source: https://emvco.com/click-to-pay-cx-guidelines/click-to-pay-cx-guidelines.html

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Click to Pay CX Guidance by Section



Reference Flows: Step through screens for recognized / unrecognized users



CX Patterns: Guidance on how to design elements for use in screens

- Data disclosure (PII)
- Pay label
- Card loader
- One time passcode (OTP)
- Load card tray



CX Moments: major steps in the user journey

- Identifying a consumer
- Checking for saved cards
- One-time passcode (OTP)
- Loaded cards



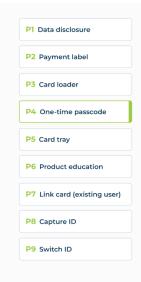
Technical Bits: Linking CX to DX





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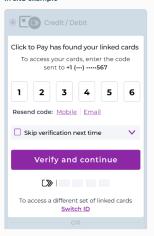
CX Patterns: Guidance on Patterns for Use in Common Use Cases



One-time passcode

Additional identity verification is required when the customer's email or mobile number is recognised, but they have not chosen skip verification on this device/browser. In this example, the customer is asked to verify their identity by entering a one-time passcode before their linked cards can be displayed.

In situ example



This pattern includes:

- · H1: "Click to Pay has found your linked cards"
- · H2: "To access your cards..."
- · Passcode input fields
- · Resend code:
 - Link: "Mobile" (resend to masked mobile number)
 - Link: "Email" (resend to masked email)
- · Checkbox: option to have device/browser remembered at this merchant
- · CTA: "Verify and continue"
- · Horizontal mark
- · Link: "Switch ID" (access a different set of cards linked to another ID)
- · Secondary CTA: allows the customer to enter a card manually

Expanded state

- · Checkbox: option to have device/browser remembered at this merchant
- · Content: "Select to be remembered..."

Design and layout: The location and content of the elements within the pattern should be displayed as shown. Font family, link, background and button colours are determined by the merchant or PSP style guide.

Links to CX Moments Guidance...

- Explains pattern
- Specifies each element of the pattern

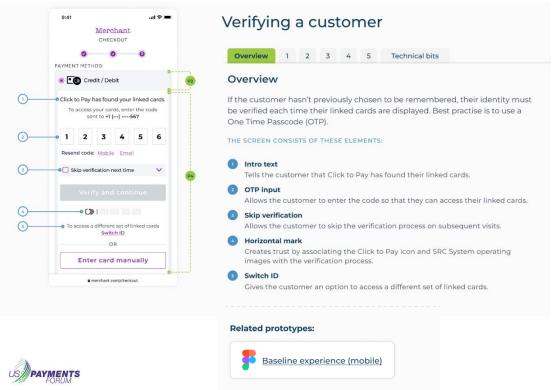
Differentiates what elements should be followed and what merchants style guide should dictate







CX Moments: Guidance on How to Design Elements for Use in Screens



Example: OTP Moment

- Provides details of each element in the moment
- Explains purpose and technical summary
- Fach element has detailed overview and technical bits

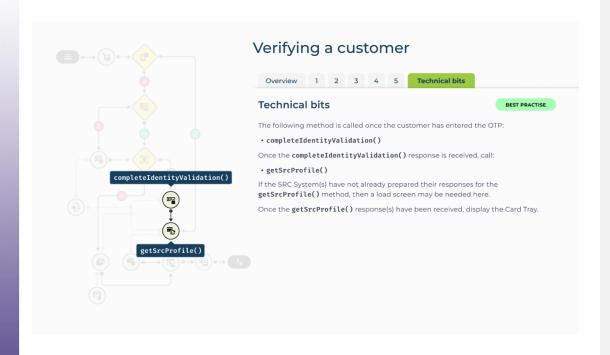
Links back to related prototypes/videos of prototype





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CX Moments: Links to Technical Details and Use in Overall Use Case



Example: Technical Bits

 Describes best practice or requirements for common usage scenarios

☑ API / SDK references





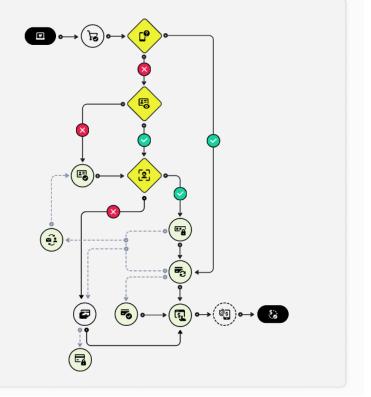
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Technical Bits: Linking CX to DX

Flow diagram

Use the interactive flowchart to understand where API/SDK calls can be made and how patterns can be applied throughout the customer journey in different checkout environments.

Full flow diagram







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How Does This Guide Work in Practice?

- Integrations are usually through SRC Initiators (SRCIs) to SRC Systems
- There are differences between guidance and implementations
- ✓ EMVCo Guidance provides industry w/ best practices
- SRC Systems provide specific implementation details
- The SRC System guides would be the source of truth for any given implementation







Challenge: Measure Results Independently



The experience should be:

- Easier to use
- More secure
- Faster



The result should be:

- Better conversion
- Lower fraud



What KPI would make a given solution worth trying? 4% better conversion?







More Information



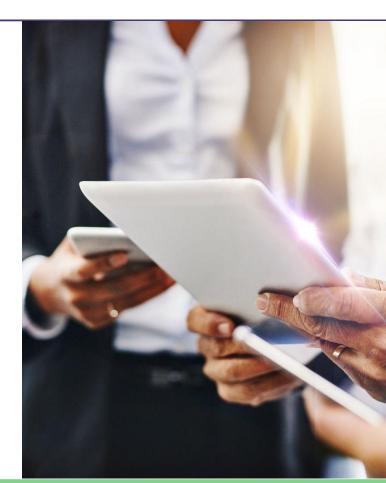
EMV® Click to Pay Customer Experience (CX)
Guidelines



Simplifying Online Checkout With the EMV®
Secure Remote Commerce – Click to Pay CX
Guidelines







Q&A



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Question & Answer





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Security Trends in the Digital Era

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Thank You!



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