

Petroleum and ISO20022: Requirements for the Next Generation Payment Standard

Thursday, July 28, 2016



Agenda

- Housekeeping
- Presenters
- About Connexus
- Presentation
- Q & A

Housekeeping

This webinar is being recorded and will be made available in approximately 30 days.

- YouTube (youtube.com/conexxusonline)
- Website Link (conexxus.org)

Slide Deck

- Survey Link – Presentation provided at end

Participants

- Ask questions via webinar interface
- Please, no vendor specific questions

Email: info@conexxus.org

Presenters

Conexxus Host

Linda Toth

Director of Standards, Conexxus

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Speaker

Sharon Scace

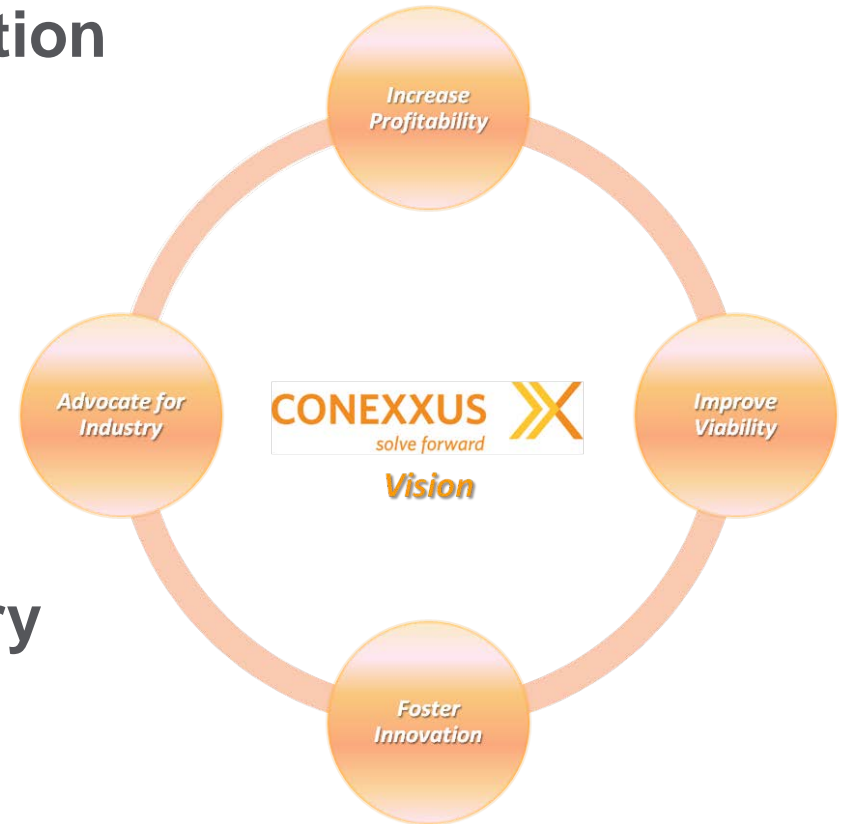
I-Spec Technical Solutions Manager, WEX, Inc.

Chair, Retail Financial Transaction Committee at Conexxus

Sharon.scace@wexinc.com

About Conexus

- We are an independent, non-profit, member driven technology organization
- We set standards...
 - Data exchange
 - Security
 - Mobile commerce
- We provide vision
 - Identify emerging tech/trends
- We advocate for our industry
 - Technology is policy



2016 Conexxus Webinar Schedule

Month/Date	Webinar Title	Speaker	Company
January 21, 2016	The 411 of EMV after October 1, 2015	Kristi Kuehn	Heartland Payment Systems
February 25, 2016	Herding Cats: Issues with Distributed Retail Network Security	Hubert Williams	Maverik
May 19, 2016	Visa's Small Merchant Security Program Updates	Diana Greenhaw	Visa
June 16, 2016	Mobile Commerce: The Opportunity and The Reality	Doug Rodewald Ed Collupy	W. Capra
July 28, 2016	Petroleum and ISO20022: Requirements for the Next Generation Payment Standard	Sharon Scace	WEX
August 25, 2016	Incident Response Plans: The Emergency Shutoff Control for Cyber Risk	Chris Lietz Tabitha Greiner	Coalfire Acumera

**Join Conexxus in Atlanta for Technology
Edge at the NACS Show
NACS Show
October 18-21, 2016
Atlanta, GA**

nacsshow.com/technologyedge



2017 Conexxus Annual Conference

Loews Annapolis Hotel

Annapolis, Maryland

April 23 – 27, 2017



Overview

- What is a Standard? ISO 20022?
- How are we working together?
- Where are we in the process?
- What are some new features?



Definition of Standard

- “something established by authority, custom, or general consent as a model or example” – Merriam Webster



Complex Landscape

- Electronic Payment
 - Magstripe, EMV, mobile, RFID...
 - Consumer cards, fleet cards, gift cards...
- Issuers
- Acquirers
- Gateways
- POS, EPS, Forecourt Controllers
- Terminal Providers
- Local & International

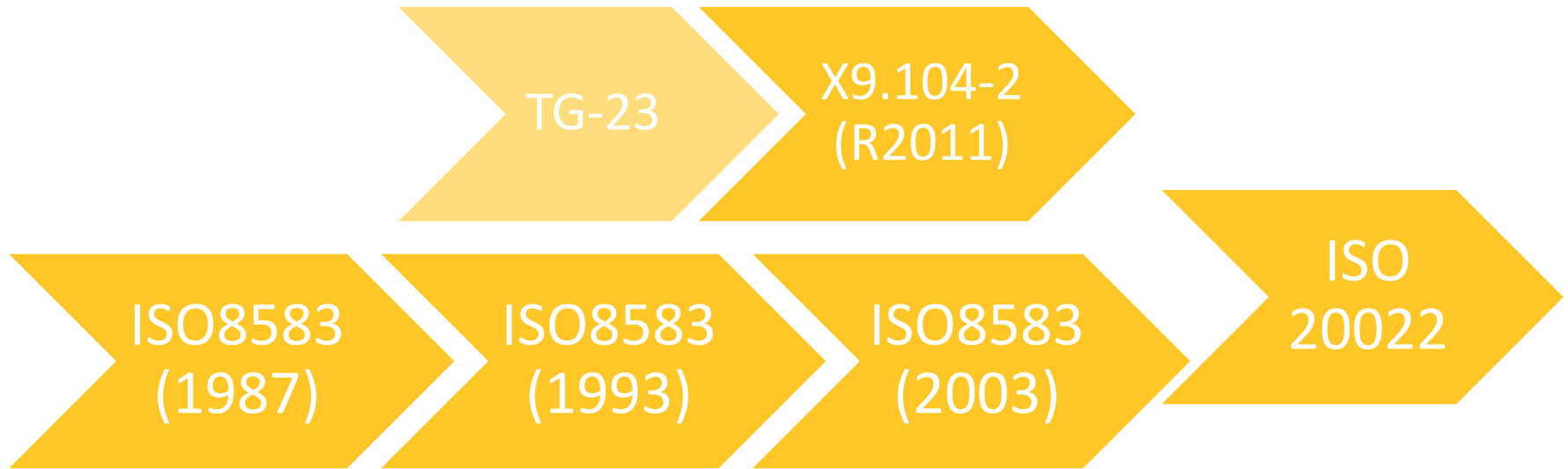
Standards Organizations



International
Organization for
Standardization



Brief History



What is ISO 20022?

“ISO 20022 - Universal financial industry message scheme (which used to be also called "UNIFI") is the international standard that defines the ISO platform for the development of financial message standards. Its business modelling approach allows users and developers to represent financial business processes and underlying transactions in a formal but syntax-independent notation. These business transaction models are the "real" business standards. They can be converted into physical messages in the desired syntax. At the time ISO 20022 was developed, XML (eXtensible Mark-up Language) was the preferred syntax for e-communication. Therefore, the first edition of ISO 20022, published in December 2004, proposed a standardized XML-based syntax for messages. The second edition of the standard, published in May 2013, included the possibility to use ASN.1 as well. The standard was developed within the Technical Committee TC68 - Financial Services of ISO - the International Organization for Standardization.”

From www.iso20022.org

Is ISO 8583 dead?

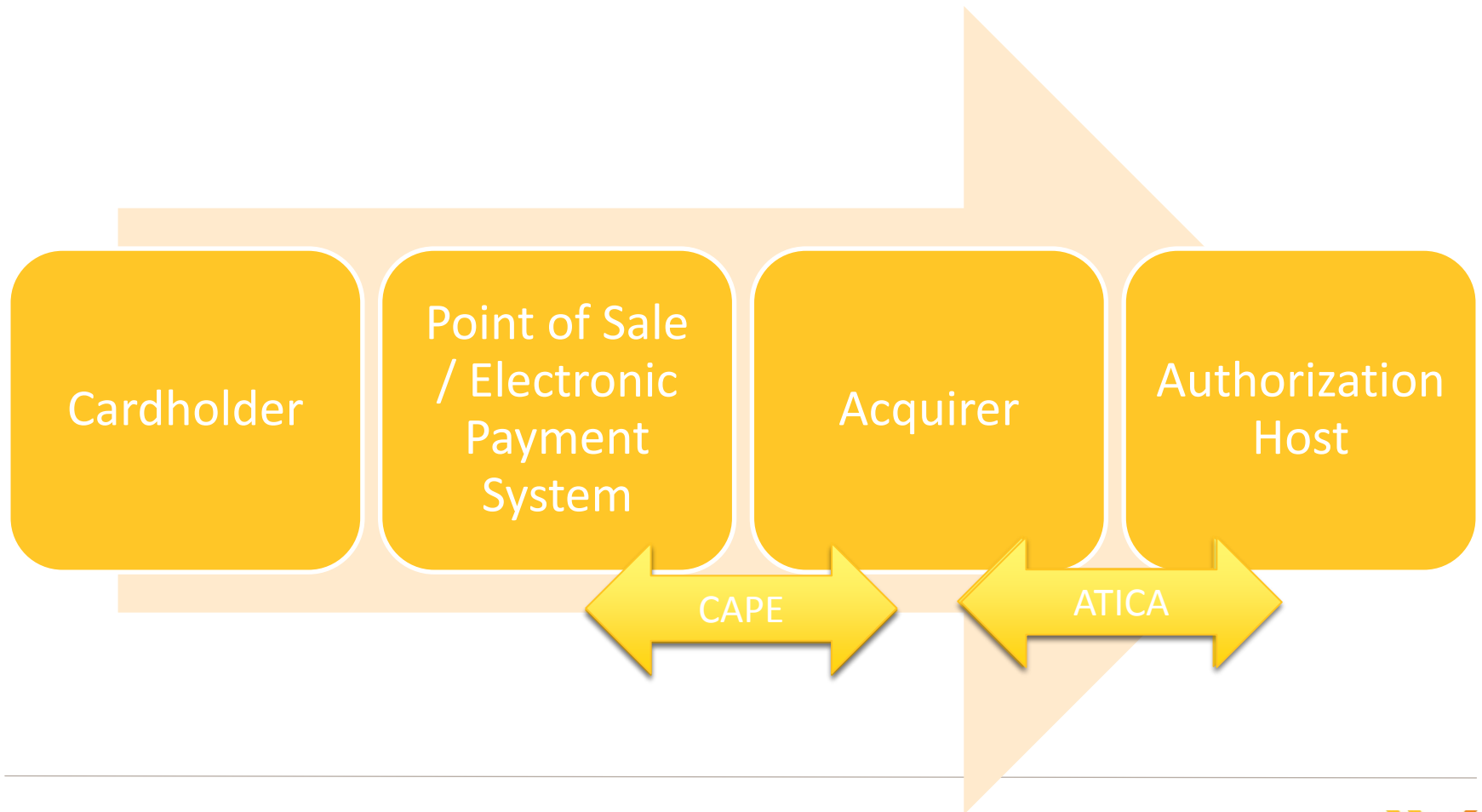
NO

A green Tyrannosaurus Rex is positioned behind the word "NO", which is written in large, bold, yellow capital letters. The dinosaur's head is on the left, partially obscured by the 'N', and its body extends across the 'O'.

Is ISO 8583 dead?

- Updates currently being made
 - Support tokens
 - Alignment to ensure a more smooth transition to ISO20022
- Keep in mind
 - Many implementations have made use of private fields which may need to be defined in ISO20022
 - When is the right time to start transitioning?

Transaction Flow



How close were ISO8583 and ISO20022?



And what else is available with ISO 20022?

What was expected?

- Everything in ISO8583(2003)
- No more private or future use fields



Upon first review...

- There were gaps
- Industry specifics were missing

Working together to close the gaps

- Petroleum is extensively using ISO8583 (1993) & TG-23
- Conexus, IFSF, and nexo worked together to close gaps and bring petroleum specific information:
 - Product sales information
 - Fleet information
 - Prompting
 - Product Restrictions



Where are we today?

CAPE

- Message additions defined 2015
- Messages accepted 2016
- Message User Guide – To be developed

ATICA

- Messages being defined 2016
- Expected messages to be accepted 2017
- Message User Guide – To be developed

What's new?



- Learnings from other industries
 - Petroleum is one of the first specialty industries included
- Improved traceability
 - Each entity that touches the message
- Device management messages

What about innovation?

- Sharing between industries for best practices
- Revisiting “other data” extensions to foster innovation



In summary

- ISO20022 is becoming the next generation payment standard.
 - Its not quite ready for prime time in our industry
 - Developing Message User Guides (for CAPE and ATICA)
 - Providing input to ATICA Messages
 - We are working to be prepared for the transition

To think about...

- Transition from ISO8583 to ISO20022 requires planning
 - Am I using proprietary fields that need to be incorporated?
 - Are there new features that I would find valuable?
 - How quickly does this need to get done?

Questions



- Website: www.conexxus.org
 - Email: info@conexxus.org
 - LinkedIn Group: [Conexxus Online](#)
 - Follow us on Twitter: [@Conexxusonline](#)
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- **August 25, 2016 @ 12:00 Eastern:**
**Incident Response Plans: The Emergency
Shutoff Control for Cyber Risk**