











#### Disclaimer

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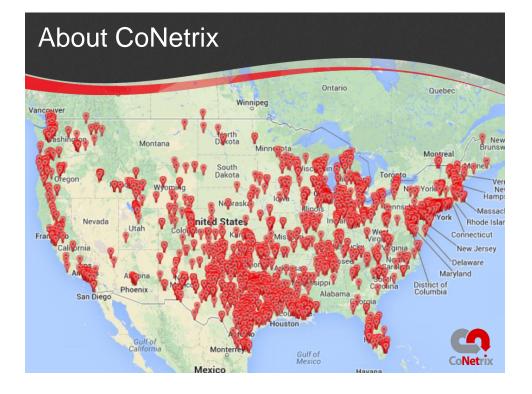
#### About the ICBA

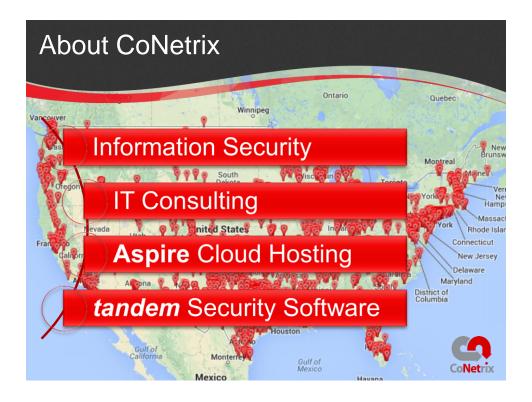
Voice for more than 6,500 community banks

Dedicated to representing the interests of the community banking industry through advocacy, education, and highquality products and services









#### About the Speakers

#### Stephanie Chaumont, CISA, CISSP, Security+

Russ Horn, CISA, CISSP, CRISC





#### What is Social Media

"social media to be a form of interactive online communication in which users can generate and share content through text, images, audio, and/



or video... Social media can be distinguished from other online media in that the communication tends to be more interactive."



#### What is Social Media - Examples

- Micro-Blogging sites (e.g., Facebook, Google Plus, MySpace, and Twitter)
- Forums, blogs, customer review web sites and bulletin boards (e.g., Yelp)
- > Photo and video sites (e.g., Flickr and YouTube)
- Sites that enable professional networking (e.g., LinkedIn)
- Virtual Worlds (e.g., Second Life)
- Social Games (e.g. FarmVille and CityVille)





#### Does Your Institution Use Social Media?

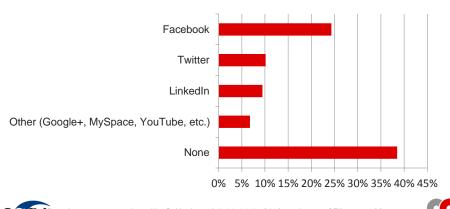




#### CoNetrix

#### Survey Question 2013 Does your institution have an account on any of the following SN

sites? (Select all that apply)



ICBA Based on a survey conducted by CoNetrix on July 30, 2013 of 146 employees of FI's across 26 states.



#### Social Networking History



#### Social Media Insights

- Source GlobalWebIndex Q2 2013 study

- Facebook maintains the highest penetration of active users among account owners at 62% globally. This compares to 51% for Twitter and 44% for Google+; however, Google+ remains the second most actively used social network behind Facebook
- Pinterest and Tumblr are currently the fastest growing global social media
- Active usage of the major, global social platforms is growing worldwide with mobile being a key driver
- Mobile and tablet usage is beginning to heavily impact social media usage with mobile having the biggest effect on Twitter





# Social Media Statistics A fastest growing demographic on twitter is the 55–64 yr. age bracket. Fast company (2013) S5% of U.S. Adults share information online according to a survey by Intel. Intel (2012) 92% of U.S. children have an online tresence by age two. AVG (2010) Image: I

#### **Social Media Statistics**

- 42% of online adults use multiple social networking sites, but Facebook remains the platform of choice.
  - PewResearch (Dec, 2013)
- 25% of users on Facebook don't bother with any kind of privacy control.

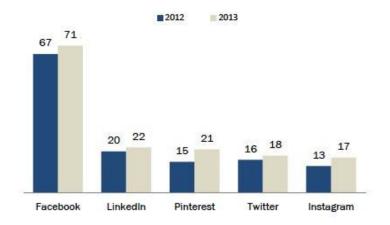
Velocity Digital (2013)





#### Social media sites, 2012-2013

% of online adults who use the following social media websites, by year

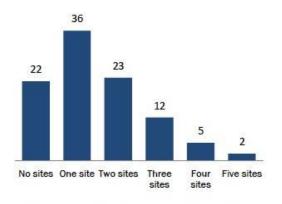


Pew Research Center's Internet Project Tracking Surveys, 2012-2013. 2013 data collected August 07 -September 16, 2013. N=1,445 internet users ages 18+. Interviews were conducted in English and Spanish and on landline and cell phones. The margin of error for results based on all internet users is +/- 2.9 percentage points.

PEW RESEARCH CENTER

#### Number of social media sites used

% of internet users who use the following number of social networking sites (sites measured include: Facebook, Twitter, Instagram, Pinterest, and LinkedIn)



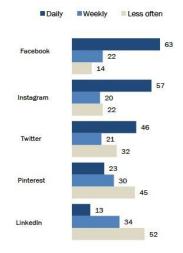
Pew Research Center's Internet Project August Tracking Survey, August 07 –September 16, 2013. N=1,445 internet users ages 18+. Interviews were conducted in English and Spanish and on landline and cell phones. The margin of error for results based on all internet users is +/- 2.9 percentage points.

#### PEW RESEARCH CENTER

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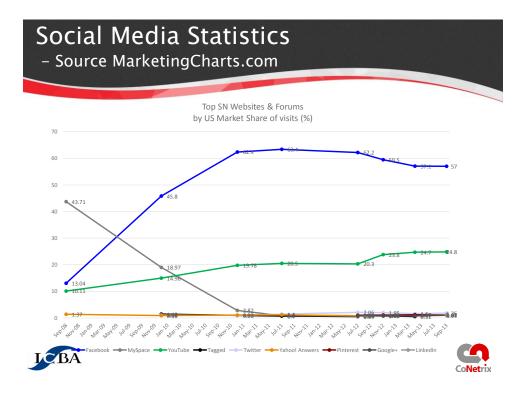
#### Frequency of social media site use

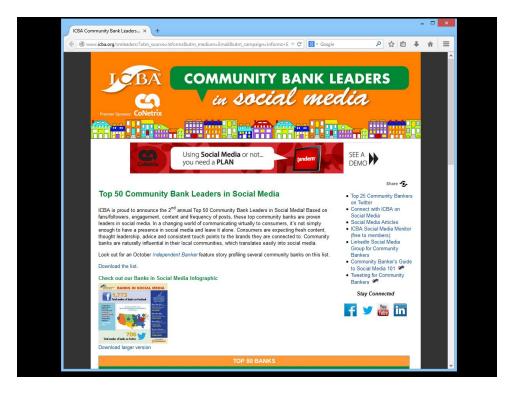
% of social media site users who use a particular site with the following frequencies (% is reported among each specific site's user groups, e.g., 63% of Facebook users use the site on a daily basis)



Pew Research Center's Internet Project August Tracking Survey, August 07 - September 16, 2013. Interviews were conducted in English and Spanish and on landline and cell phones. **PEW RESEARCH CENTER** 



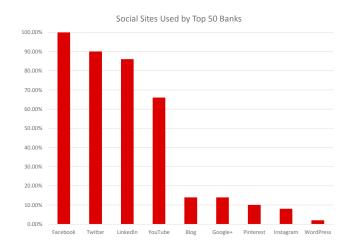






	TOP 50 BANKS			
Bank Name	City, State	Social Media Channels		
Umpqua Bank	Portland, OR	🔣 💟 🐮 💼 🖪		
FirstBank	Denver, CO	🖬 💟 👑 🛅 🖪 🖼		
Frost Bank	San Antonio, TX	🖬 🛎		
Bank of Ann Arbor	Ann Arbor, MI	🖪 🗵 🐮 🛅		
Bank of Hawaii	Honolulu, HI	📰 🗵 🐮 🔟		
The Equitable Bank	Wauwatosa, WI	🛒 💟 👑 🖬		
First Security Bank	Searcy, AR	🔣 💟 👑 🛅 🗑 🛐 🖻		
Susquehanna Bank	Lancaster, PA	🖪 💟 🐸 🛅 🖪		
Eastern Bank	Boston, MA	🛒 💟 选 💼		
Webster Bank	Waterbury, CT	🖪 🗵 👑 🛅 國		
MB Financial Bank	Chicago, IL	🖪 🗵 🕌 🔟		
FirstMerit Bank	Akron, OH	🖪 🗵 🕌 in		
Busey Bank	Champaign, IL	🖪 🗵 🕌 🛅 😰		
Centier Bank	Merrillville, IN	🖪 🛅 🖪		
Bank of Missouri	Perryville, MO	🖬 🛎 🛅		
MainSource Bank	Greensburg, IN	🖪 💟 🐸 🛅 😰		
Pinnacle Bank	Lincoln, NE	🖪 💟 🕌 🔟 🕔		
Provident Bank	Jersey City, NJ	🔣 🗵 🚵 🔟		
Machias Savings Bank	Machias, ME	🖬 🗵 🛅		
Fidelity Bank	Dunmore, PA	📰 💟 🔛		
Paducah Bank	Paducah, KY	🖪 💟 选 🔟 😰		
BankPlus	Belzoni, MS	🖪 🖻 🔟		
Chemical Bank	Midland, MI	🛃 🗵 in		
Berkshire Bank	Pittsfield, MA	🛃 💟 选 🛅 💌		
Farmers & Merchants State Bank	Archbold, OH	🛒 in		

#### Top 50 Banks by Site







# <section-header>



EMAIL/IM/CHAT

FACEBOOK (CONTACTED VIA)

TWITTER (CONTACTED VIA)

http://thegallupblog.gallup.com/2014/02/bratmo-mobile-and-social-latest-stats.html

Used in the last 6 months

Use at least once per month

Use at least once per week



Press Releases	. c. idance	Press Release December 11, 2013 o on Social Media	
<ul> <li>The Federal Financial Institutions Et today released final guidance on the laws, regulations, and croßicies to an associations, and croßicies to an associations, and croßicies to an intendent to help financial institution risks, as well as related risks sur you do so coil media. Hole to the so the source of social media, along with ear assessments and crafting and et associations.</li> <li>The FFIEC published the guidance of the guidance does not into the source of the source of</li></ul>	xamination Council ( e applicability of consum- citivities conducted via sis swell as nonbank entities guidance is effective immr y new requirements on f ons understand potential th as reputation and ope xpectations for managin ncial institutions may fin elu-sting policies and p	her protection and conversions ocial media by banks, savings is supervised by the Consumer iediately. inancial institutions. Rather, it is consumer compliance and legal rational risks, associated with the g those risks. The guidance d useful in conducting risk ocedures regarding social media.	<sup>T</sup> elease 20 <sub>13</sub>
The proposed the rederate	###		
Attach. Media Contacts:	Sam Gilford Greg Hernandez Susan Stawick Ben Hardaway Stephanie Collins Catherine Woody	(202) 435-7673 (202) 898-6984 (202) 452-2955 (703) 518-6333 (202) 649-6870 (202) 728-5733	

#### FFIEC Final Guidance

#### Social Media: Consumer Compliance Risk Management Guidance

Proposed Dated - Jan. 17, 2013 Final Date – Dec. 11, 2013









## FFIEC Solution of the Comptroller of the Currency (OCC)

- Board of Governors of the Federal Reserve System (Board)
- > Federal Deposit Insurance Corporation (FDIC)
- National Credit Union Administration (NCUA)
- Consumer Financial Protection Bureau (CFPB) (collectively, the Agencies)
- State Liaison Committee (SLC)







#### Why do banks use SN?

From the proposed Social Media guidance, section II:

- Advertising & Marketing
- Providing incentives
- > Facilitating applications for new accounts
- Inviting feedback from the public
- > Engaging with existing and potential customers
  - Receiving and responding to complaints
  - Providing loan pricing



#### Why do banks use SN?

Other possible reasons:

- Register name/domain
  - www.facebook.com/CoNetrix
  - www.twitter.com/CoNetrix
- Community Building
- Customer Service
- Recruiting
- Opportunity (new products and services)



#### **Risk Management Expectations**

- Financial institutions should have a risk management program to identify, measure, monitor, and control risks related to social media.
- The program should be based on size, complexity and involvement in social media.
- The program should have participation from compliance, technology, information security, legal, HR, and marketing.
- Financial institutions should provide guidance & training for employee official use of social media.





#### Risk Management Program

- 1. Governance structure
- 2. Policies and procedures
- 3. Third-party oversight
- 4. Employee training
- 5. Monitoring
- 6. Audit and compliance
- 7. Reporting to the Board or Sr. mgt.





#### Risk Management Program

 A governance structure with clear roles and responsibilities whereby the board of directors or senior management direct how using social media contributes to the strategic goals of the institution and establishes controls and ongoing assessment of risk in social media activities.





Advertise on Facebook ×		
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Languages @	All Men Women Enter a language	<ul> <li>Location - Living In:         <ul> <li>United States</li> <li>Age:                  <ul></ul></li></ul></li></ul>
Interests @	More Demographics *           Relationship >           Education >           Education Level           Work >           Fields of Study           Support           Schools	Placements:         on News Feed and right column on         desktop computers, Mobile Feed         and Third-party Apps  Potential Reach: 160,000,000 people
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	Enter your Page, app, or event names	
	Exclude people who are connected to @	
	Enter your Page, app, or event names	
	Include people whose friends are connected to @	



#### Risk Management Program

2. Policies and procedures regarding the use and monitoring of social media and compliance with all applicable consumer protection laws, regulations, and guidance. Further, policies and procedures should incorporate methodologies to address risks from online postings, edits, replies, and retention.





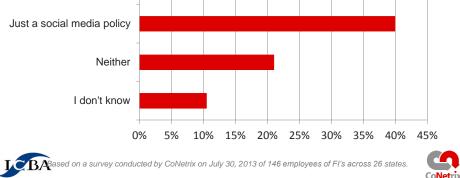
#### Do you have a Social Media Policy & Risk Assessment?





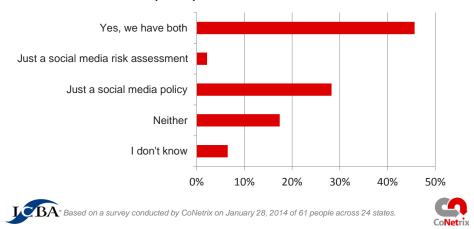


#### Survey Question 2013 Does your institution have a social media risk assessment and policy? Yes, we have both Just a social media policy



#### Survey Question 2014

Does your institution have a Social Media risk assessment and policy?



#### Risk Management Program

3. A due diligence process for selecting and managing third-party service provider relationships in connection with social media.





#### Third-party Oversight



#### Social Media: Consumer Compliance Risk Management Guidance

Interagency Teleconference for Industry Participants December 19, 2013 1:00 pm – 2:30 pm EST





#### Risk Management Program

4. An employee training program that incorporates the institution's policies and procedures for official, workrelated use of social media, and potentially for other uses of social media, including defining impermissible activities.





#### Risk Management Program

 An oversight process for monitoring information posted to proprietary social media sites administered by the financial institution or a contracted third party.







#### Social Networking Reputation Risk

A single negative tweet or Facebook posting can cost a company 30 customers.

- Covergys (2012)









#### Risk Management Program

6. Audit and compliance functions to ensure ongoing compliance with internal policies and all applicable laws, regulations, and guidance.



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#### Risk Management Program

7. Parameters for providing appropriate reporting to the financial institution's board of directors or senior management that enable periodic evaluation of the effectiveness of the social media program and whether the program is achieving its stated objectives.





#### Risk Management Program – Summary

- 1. Governance structure
- 2. Policies and procedures
- 3. Third-party oversight
- 4. Employee training
- 5. Monitoring
- 6. Audit and compliance
- 7. Reporting to the Board or Sr. mgt.





#### Social Media Risk Areas

- Compliance and Legal Risks
  - Deposit and Lending Products
  - Payment Systems
  - Bank Secrecy Act/Anti-Money Laundering Programs (BSA/AML)
  - Community Reinvestment Act
  - Privacy
- Reputation Risk
  - Fraud and Brand Identity
  - Third Party Concerns
  - Privacy Concerns
  - Consumer Complaints and Inquiries
  - Employee Use of Social Media Sites

**Operational Risk** 





#### Social Media Risk Areas

- > Compliance and Legal Risks
  - Deposit and Lending Products
    - Truth in Savings Act/Regulation DD and Part 707
    - Fair Lending Laws: Equal Credit Opportunity Act/Regulation B and Fair Housing Act
    - Truth in Lending Act/Regulation Z
    - Real Estate Settlement Procedures Act
    - Fair Debt Collection Practices Act
    - Unfair, Deceptive, or Abusive Acts or Practices
    - Deposit Insurance or Share Insurance
  - Payment Systems
    - Electronic Fund Transfer Act/Regulation E
    - Rules Applicable to Check Transactions
  - Bank Secrecy Act/Anti-Money Laundering Programs (BSA/AML)





#### Ex: Fair Debt Collections Practices Act

"The Fair Debt Collection Practices Act (FDCPA) restricts how debt collectors (generally defined as third parties collecting others' debts and entities collecting debts on their own behalf if they use a different name) may collect debts. The FDCPA generally prohibits debt collectors from publicly disclosing that a consumer owes a debt. Using social media to inappropriately contact consumers, or their families and friends, may violate the restrictions on contacting consumers imposed by the FDCPA. Communicating via social media in a manner that discloses the existence of a debt or to harass or embarrass consumers about their debts (e.g., a debt collector writing about a debt on a Facebook wall) or making false or misleading representations may violate the FDCPA."

• 15 U.S.C. 1692–1692p.



#### Social Media Risk Areas

- Community Reinvestment Act
- Privacy
  - Gramm-Leach-Bliley Act Privacy Rules and Data Security Guidelines
  - CAN-SPAM Act and Telephone Consumer Protection Act
  - Children's Online Privacy Protection Act
  - Fair Credit Reporting Act
- Reputation Risk
  - Fraud and Brand Identity
  - Third Party Concerns
  - Privacy Concerns
  - Consumer Complaints and Inquiries
  - Employee Use of Social Media Sites
  - Operational Risk







#### 2010 Threat Predictions Report by McAfee Labs

- Social networking sites will face more sophisticated threats as the number of users grows.
- The explosion of applications on Facebook and other services will be an ideal vector for cybercriminals, who will take advantage of friends trusting friends to click links they might otherwise treat cautiously.





#### Websense 2013 Threat Report

2. Social Media Threats Shortened web links – used across all social media platforms – hid malicious content 32 percent of the time.

Social media attacks also took advantage of the confusion of new features and changing services.





2014 Threat Predictions by McAfee Labs

#### "Social attacks" will be ubiquitous by the end of 2014.



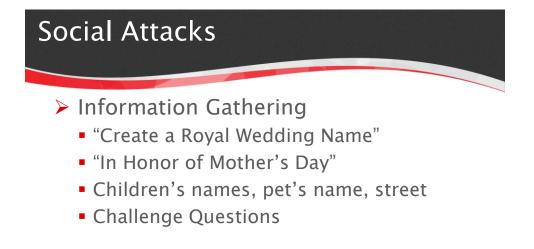


#### Social Attacks

- Cross-site Scripting (Self-XSS)
  - "Why are you tagged in this video?"
  - "Facebook Dislike Button"
  - Cutting and pasting malicious code into browser
  - Can run JavaScript w/o your knowledge











#### Social Attacks

- Clickjacking / Likejacking
  - Button appears to perform a function.
  - Takes user to a video and shows you "liked" the video
  - Spreads videos virally





#### **Recent Phishing Attack** 🖪 🔚 🕫 ថ 🔺 🕈 🖛 You requested a new Facebook password - Message (HTML) ∞ 🕜 Message d, click here to view it in a web browser. rivacy, Outlook prevented automatic download of some pictures in this Sent: Mon 8/19/2013 4:16 PM Co facebook Hello, Yo u recently asked to reset your Facebook password. Click here to change your password. Didn't request this change? If you didn't request a new password, let us kn ent 415, PO Box 10005, Palo Alto, × ICB/



#### Social Engineering via Social Networking



Hackers hijacked a Facebook account belonging to an employee of a financial institution.

- Discovered there was a recent company picnic the previous weekend.
- Used his Facebook account to send a fraudulent email to a coworker re: pictures from the picnic.
- Compromised the coworker's system, installed a keylogger, and captured the employee's password.





#### Verizon 2012 Data Breach Investigations Report

#### External Discovery

"notification occurred when the thief made the disclosure known....

....important to understand the role social networking plays in breach discovery, but also in how attacks are initiated using these tools."







"There is probably no more effective countermeasure, dollar for dollar, than a good security awareness program."

"Companies spend millions of dollars on firewalls and secure access devices, and it's money wasted because none of these measures addresses the weakest link in the security chain: the pcople who use, administer, and operate computer systems."

- Famed hacker, Kevin Mitnick



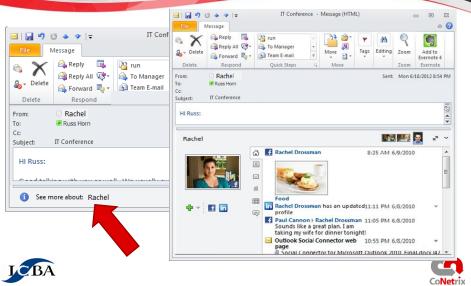
### Password Formula Coffee + (the website) + #(changes) + !

- So, for <u>www.google.com</u>
  - My first password would be Coffeegoogle1!
  - When I change it, it would be Coffeegoogle2!
- For <u>www.microsoft.com</u>
  - Ist password Coffeemicrosoft1!
  - Changed to Coffeemicrosoft2!





#### Microsoft Outlook Social Network Integration





#### Facebook Page Settings Build Audience -Page Activity 2 Insights Settings Help -🔅 General Page Visibility Page published Edit Posting Ability Anyone can post to my Page timeline Edit Page Info Privacy control for posts is turned off Post Targeting and Privacy Edit Notifications Messages People can contact my Page privately. Edit 💄 Page Roles Tagging Ability Only people who help manage my Page can tag photos posted on it. Edit 🎲 Apps Page is only shown to people in United States Country Restrictions Edit 🗂 Suggested Edits Age Restrictions Page is shown to everyone. Edit ★ Featured Page Moderation No words are being blocked from the Page Edit Profanity Filter . Mobile Set to strong Edit Similar Page Suggestions Choose whether your Page is recommended to others Edit Banned Users Replies Comment replies are not yet turned on for your Page Edit i Activity Log Merge Pages Merge duplicate Pages Edit Remove Page Delete your Page Edit





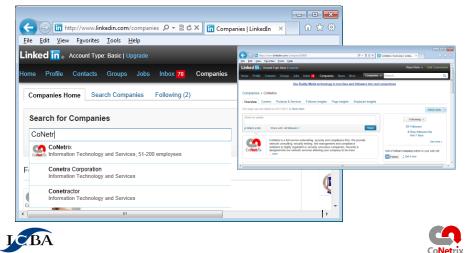
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Apps	New Reviews	Turn On	
A vhba	Tips	Turn Off	
Suggested Edits	New Comments on Page post	Turn On	
Featured	Edits to Comments you have written	Turn On	
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Mobile	New Likes	Turn Off	
Banned Users	Edits to Posts you have written	Turn On	
	🖂 Email		
Activity Log	<ul> <li>Get an email each time there is activity on Off</li> </ul>	your Page or an important Page update.	





#### Is Your Company on LinkedIn?

#### www.linkedin.com/companies



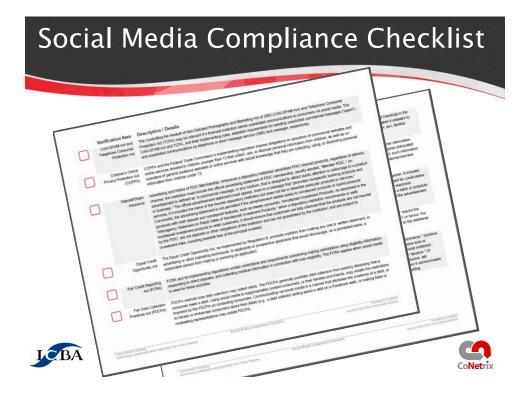
#### Take Away

Social Media Risk Management Program

- 1. Governance structure
- 2. Policies and procedures
- 3. Third-party oversight
- 4. Employee training
- 5. Monitoring
- 6. Audit/Compliance
- 7. Reporting







#### ICBA Social Media Leaders Twitter Chat







#### Questions





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