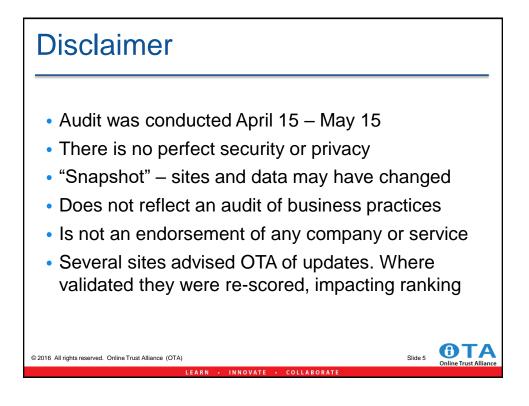
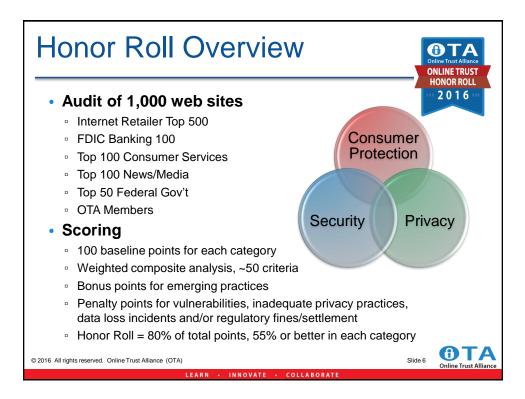
	TA irust Alliance NE TRUST OR ROLL 0 1 6
<b>2016 Online Trust Audit</b> Webinar Will Start Shortly	
Webinar will be recorded Presentation will be posted at <u>https://otalliance.org/HonorRoll</u>	
UNDERWRITERS	
Symantec.	
action Sidigicert SideLock.	
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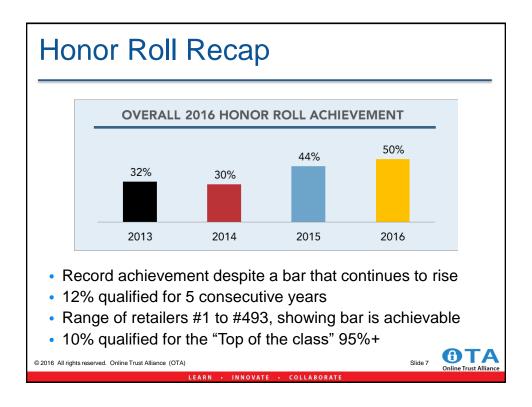


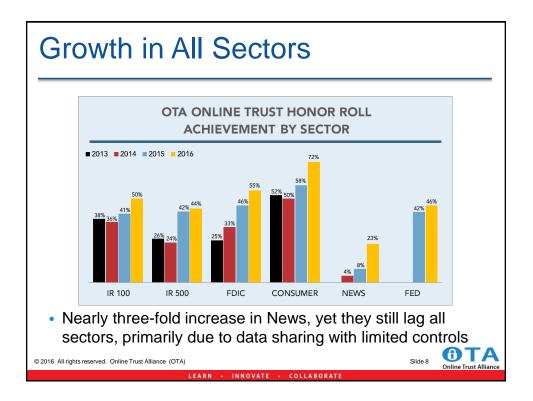




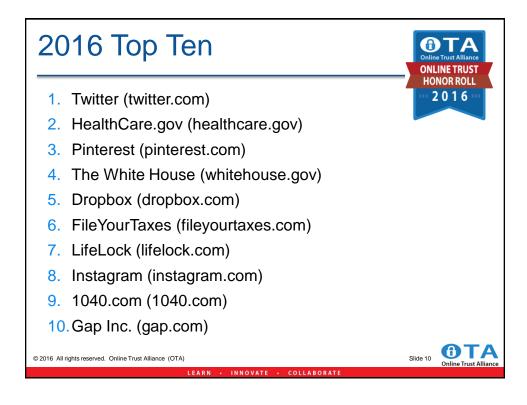


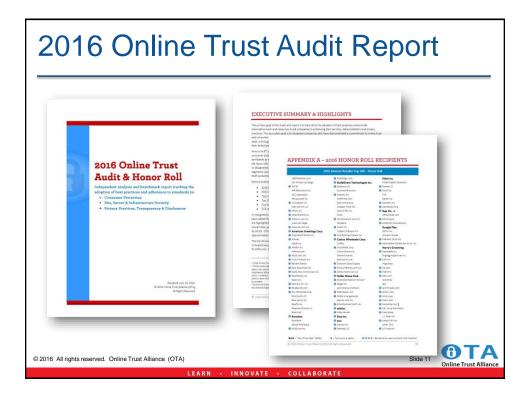


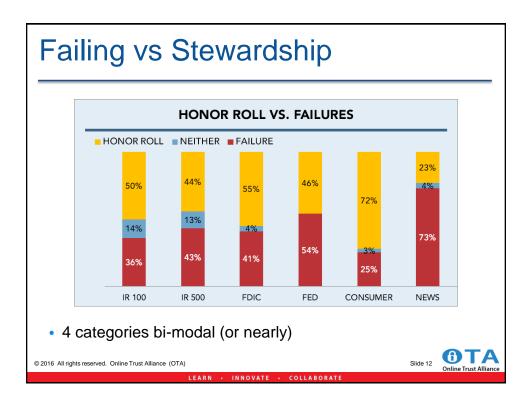


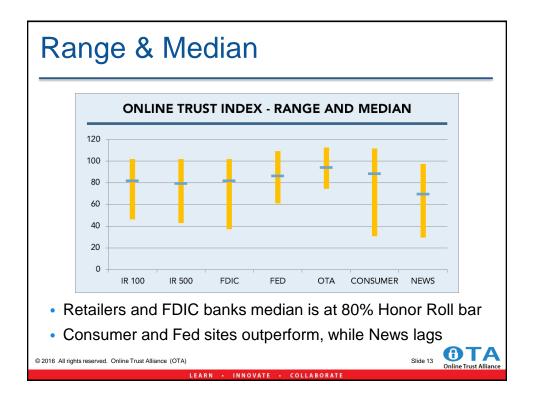


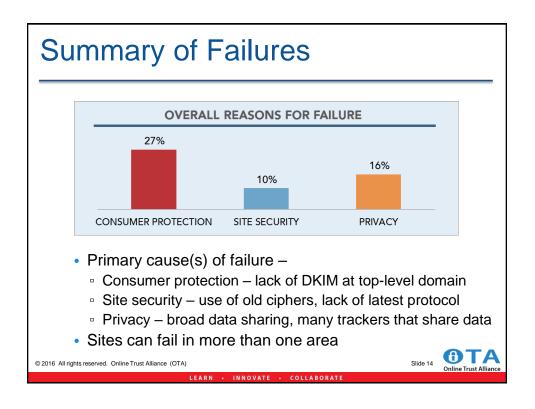


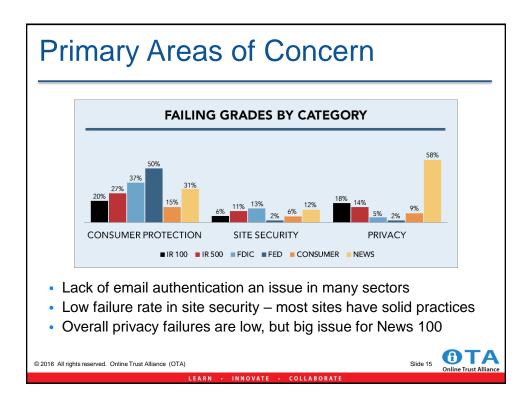


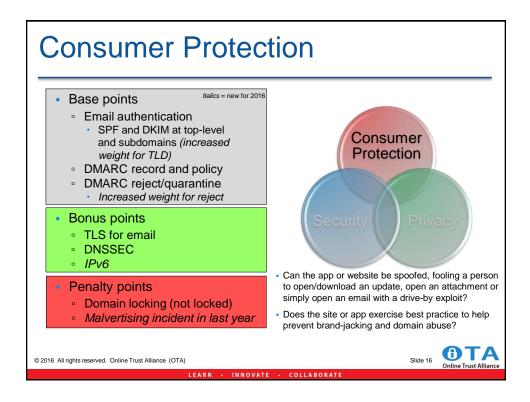


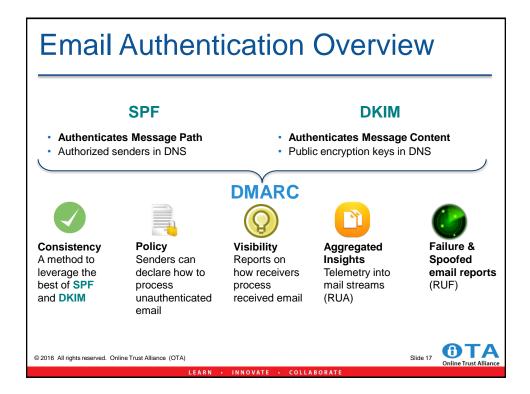


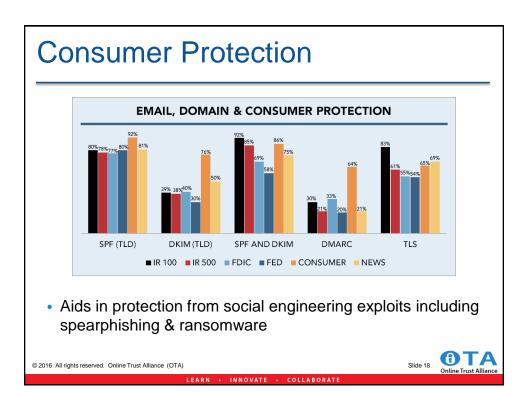












DMARC	Adoption
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DMARC ADOPTION						
	2013	2014	2015	20	16	
	Record	Record	Record	Record	R or Q*	
Internet Retailer Top 100	5%	15%	20%	30%	17%	
Internet Retailer Top 500	3%	6%	8%	21%	14%	
FDIC 100	13%	21%	24%	33%	24%	
Federal 50	4%	6%	14%	20%	40%	
Consumer 100	22%	36%	48%	64%	29%	
News 100	-	10%	10%	21%	14%	
OTA Members	44%	59%	77%	75%	25%	
* As % of sites with a DMARC record						
					ωт	
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### **DNSSEC and IPv6 Adoption**

	<b>DNSSEC ADOPTION</b>				IPv6
	2013	2014	2015	2016	2016
Internet Retailer Top 100	0.0%	0.0%	0.2%	0.0%	1.0%
Internet Retailer Top 500	0.0%	0.0%	0.4%	0.6%	1.6%
FDIC 100	0.0%	0.0%	1.0%	2.0%	0.0%
Federal 50	88.0%	92.0%	90.0%	88.0%	84.0%
Consumer 100	0.0%	0.0%	0.0%	0.0%	9.7%
News 100	-	2.0%	4.0%	2.0%	3.0%
OTA Members	7.6%	4.7%	4.7%	7.4%	13.2%

• DNSSEC - miniscule adoption in all but the Federal 50

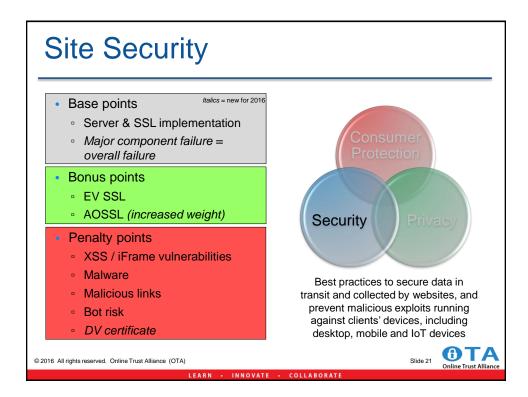
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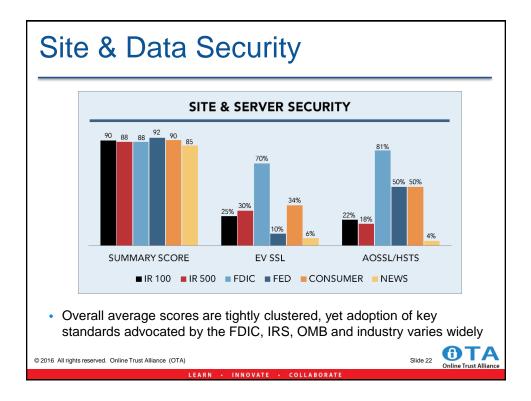
• IPv6 – Federal 50 has strong adoption, others just starting

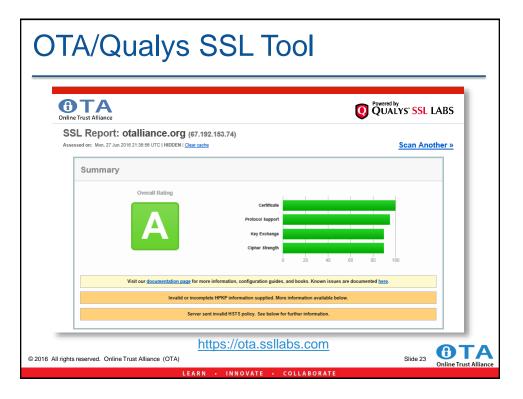
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## High-Tech Bridge SSL Tool

		Geneva	ı: +41 (22) 723 2424   San Francisco: +1 (4	15) 635 3784   sales@htbridze.com	m	
			COMPANY * IMMUNIWEB * 5	SERVICES CONTACTS C	a	
	High-Tech Bridge > Free SSL Server Test > of	talliance.org   67.192.153.74:443				
	Free SSL Server	r Test	powered by		r - 1	
	SSL TEST LATEST TESTED	LIVE MAP ABOUT AF	SSL/TLS Security Web S	erver Security Domain Security Radar	0	
		t by High-Tech Bridge service on any port for compliance wit	th industry best-practices, NIST guidelines ar	nd PCI DSS requirements.		
	otalliance.org		Email Server			
	Do not display test results in statistics	Provided "as is"	without any warranty of any kind Other Server	enter IP:Port of the service		
	Summary of otalliance.	org SSL/TLS Security	Test			
	FINAL GRADE	COMPLIANT WITH	HOST	OPTIONS		
		PCI DSS	SERVER IP : PORT 67.192.153.74:443	🛓 Download PDF		
	A+		DATE OF TEST June 27th 2016, 23:48 CEST	2 Refresh results		
	The server prefers cipher suites supporting	Perfect-Forward-Secrecy		Good configuration		
	The server provides HTTP Strict Transport 5	security		Good configuration		
	Consider reviewing the set of supported cip	her suites		Non-compliant with NIST guidelines		
	btt	no.//www.bt	bridge com/o	al		
© 2016 All rights reserved. Online		ps://www.nt	bridge.com/s	<u>SI</u>	Slide 24	ΘΤΑ
	1.5.4		• COLLABORATE			Online Trust Alliance

Security	Score	Trends
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#### SITE & SERVER SECURITY SITE SECURITY SCORES

	2013	2014	2015	2016
Internet Retailer Top 100	85.3	81.9	85.7	89.6
Internet Retailer Top 500	85.1	83.3	85.3	88.3
FDIC 100	85.0	86.5	83.0	88.3
Federal 50	73.2	70.5	83.6	91.6
Consumer 100	82.1	86.2	86.1	89.9
News 100	-	83.2	83.0	85.0
OTA Members	87.1	86.8	89.8	92.1

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### What Is Malvertising?

- Malware + Advertising
- Malicious computer code with seemingly harmless ads.
- Draw a user to harmful or deceptive content through 'click-baiting' or misleading content.

OR

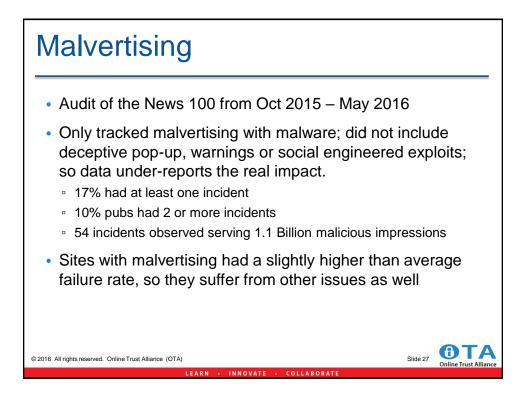
- May directly infect a device with malware damaging data, steal PII and/or take control of the device.
- Drives key loggers, malware, ransomware & ID theft.

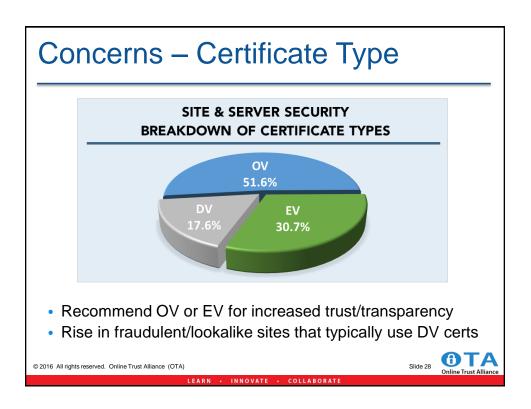
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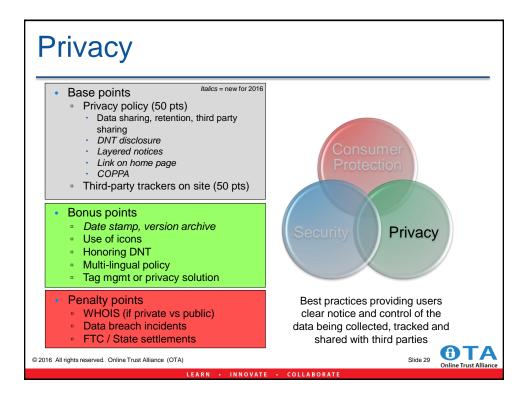


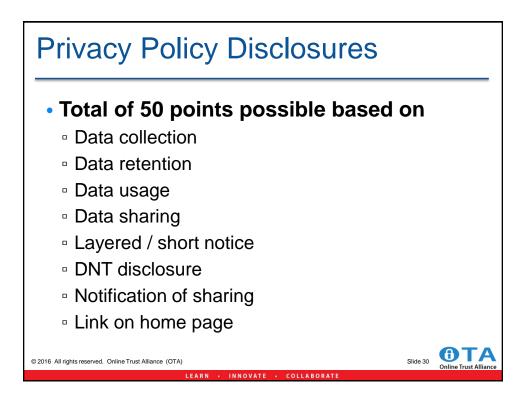
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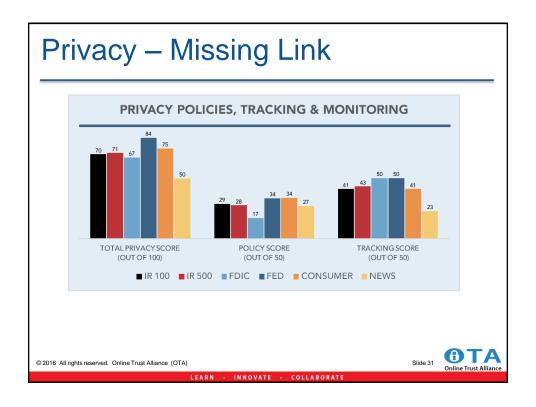
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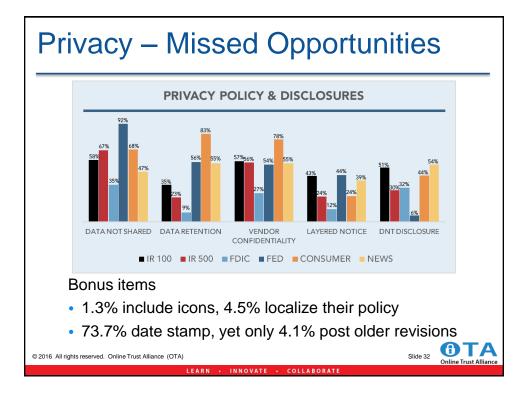


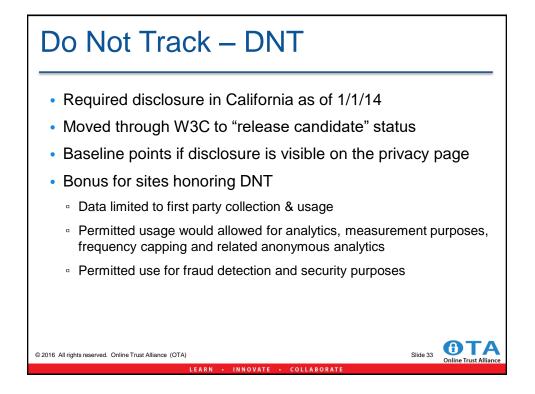












## **General Observations**

- Record Honor Roll achievement levels
- · Significant increase in proactive engagement
- Failures due to inadequate email authentication places users at unnecessary risk levels
- Lack of continuous monitoring of site / servers raises risk of exploits and breaches
- Attempts to contact sites failed due to lack of vulnerability reporting mechanisms
- Privacy policies still exhibit poor readability and excessive language that is not user friendly
- High levels of data collection and <u>sharing</u> via use of tracking tags, ranging from 0 to 125 per site
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### **Possible Criteria Enhancements**

- Multi-factor authentication core or bonus?
- Deeper security assessments
  - Open ports / relays
  - Expand malvertising beyond drivebys across all sectors
- Increased focus on privacy disclosures
  - DNT move to penalty points for non disclosure
  - DNT no points for not honoring due to standards status.
- Consumer Protection
  - Increased weighting of DMARC reject or quarantine
  - Inadequate DMARC records with no reporting mechanisms
  - Increased weighting of SPF AND DKIM at TLD.
- Native advertising disclosures
- · Abuse / vulnerability reporting capabilities

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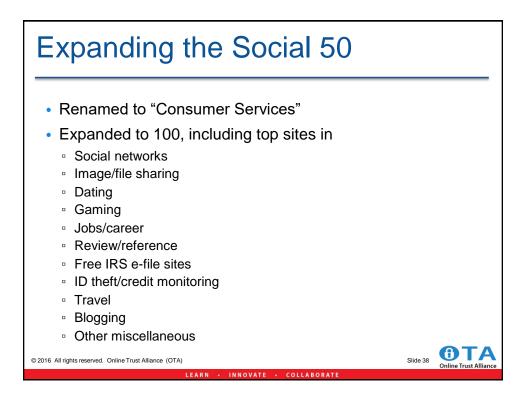
### **Next Steps**

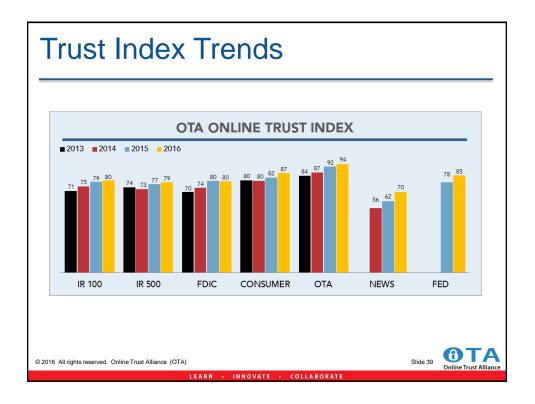
- Email Authentication Deep Dive July 20
  https://attendee.gotowebinar.com/register/1141334127128392450
- Input into 2017 methodology and scoring
  - Open call for comments email <u>admin@otalliance.org</u>
- Under consideration
  - ISPs, cable providers and carriers
  - 50 States, focused on TBD core consumer agency(s)
  - State e-file sites
  - IoT devices & services
- Updates posted at <u>https://otalliance.org/HonorRoll</u>

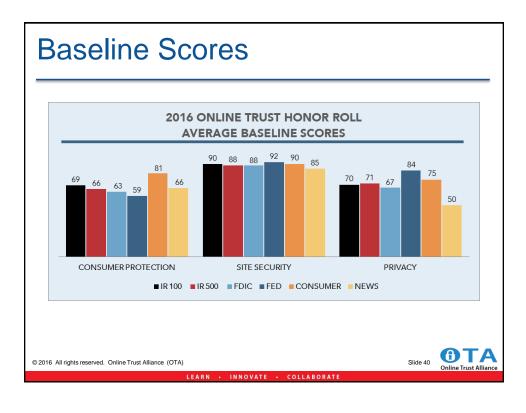
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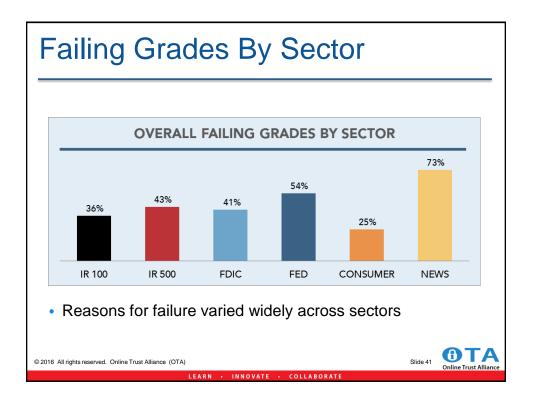
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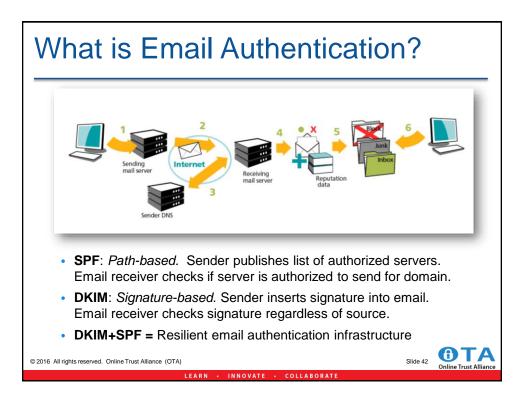










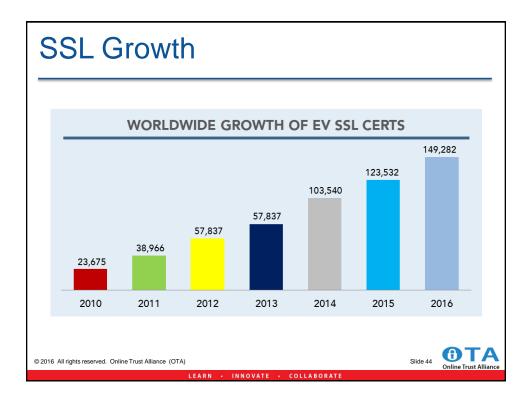


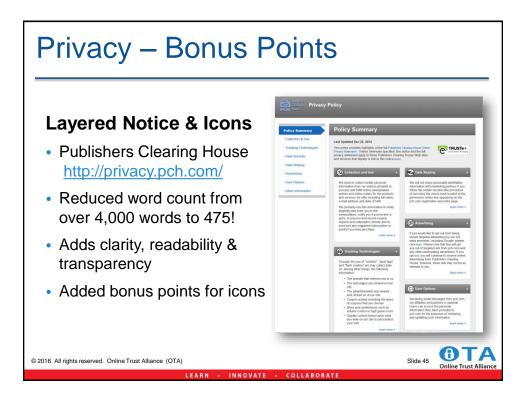
### **Email Authentication Adoption**

#### CONSUMER PROTECTION BOTH SPF AND DKIM

	2013	2014	2015	2016
Internet Retailer Top 100	76%	88%	90%	92%
Internet Retailer Top 500	56%	74%	78%	85%
FDIC 100	49%	49%	63%	69%
Federal 50	20%	22%	48%	58%
Consumer 100	72%	74%	76%	86%
News 100	-	50%	56%	75%
OTA Members	69%	83%	94%	99%
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### **DNT Suggested Language**

 XYZ respects enhanced user privacy controls. We support the development and implementation of a standard "Do Not Track" (DNT) browser feature, which had been designed to provide users control over the collection and use of information by third parties regarding their web-browsing activities. At this time, XYZ does not respond to DNT mechanisms. Once a standardized "do not track" feature is released, XYZ intends to adhere and respect the browser settings accordingly.

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# DNT is now a standard

- XYZ respects enhanced user privacy controls and Honors user browser Do Not Track setting.
  - Optional As permitted by the DNT specification, we may collect data limited to site security and fraud prevention purposes as well as for anonymous site analytics.
- Xyz does not honor a user's browser Do Not Track setting. This sites does not offer any persistent and universal provisions to opt-out of data collection, tracking and/or sharing.
- XYZ honors a DNT settings, but third parties including ad networks, marketing partners and others may not Honor this setting and continue to collect, share and use users tracking and personal data.  $\mathbf{\Theta} \mathbf{T} \mathbf{F}$

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