Figure 23-2

Registry Service	Applicable RFCs	Prior ICANN Approval and Evidence of Compliance
A. Receipt of data from registrars concerning registrations of domain names and name servers	**RFC 3915:** Domain Registry Grace Period Mapping	Currently implemented on .com; validated by ICANN during 1 March 2006 registry transition to delegation process. Currently implemented on .net; validated by ICANN during 29 June 2005 registry transition to delegation process.
	RFC 5730: Extensible Provisioning Protocol	
	RFC 5731: EPP Domain Name Mapping	
	RFC 5732: EPP Host Mapping	
	RFC 5733: EPP Contact Mapping	
	RFC 5734: EPP Transport over TCP	
	RFC 5910: DNS Security Extensions Mapping for the EPP	
B. Dissemination of TLD zone files	**RFC 1034:** Domain Names – Concepts and Facilities	Currently implemented on .com; validated by ICANN during 1 March 2006 registry transition to delegation process. Currently implemented on .net; validated by ICANN during 29 June 2005 registry transition to delegation process.
	RFC 1035: Domain Names – Implementation and Specification	
	RFC 1101: DNS Encoding of Network Names and Other Types	
	RFC 1123: Requirements for Internet Hosts – Application and Support	
	RFC 1982: Serial Number Arithmetic	
	RFC 1996: A Mechanism for Prompt Notification of Zone Changes	
	RFC 2181: Clarifications to the DNS Specification	
	RFC 2182: Selection and Operation of Secondary DNS Servers	
	RFC 2308: Negative Caching of DNS Queries	
	RFC 2671: Extension Mechanisms for DNS	

Registry Service	Applicable RFCs	Prior ICANN Approval and Evidence of Compliance
	RFC 3226: DNSSEC and IPv6 A6 Aware Server/Resolver Message Size Requirements	
	RFC 3596: DNS Extensions to Support IP Version 6	
	RFC 3597: Handling of Unknown DNS Resource Record Types	
	RFC 3671: Collective Attributes in the Lightweight Directory Access Protocol	
	RFC 3901: DNS IPv6 Transport Operational Guidelines	
	RFC 4343: Domain Name System Case Insensitivity Clarification	
	RFC 4472: Operational Considerations and Issues with IPv6 DNS	
	RFC 5156: Special-Use IPv6 Addresses	
	RFC 5358: Preventing Use of Recursive Name Servers in Reflector Attacks	
	RFC 5735: Special Use IPv4 Addresses	
	RFC 5966: DNS Transport over TCP – Implementation Requirements	
C. Dissemination of contact and other information concerning domain name registrations (i.e., Whois service)	**RFC 3912:** Whois Protocol Specification	Currently implemented on .com; validated by ICANN during 1 March 2006 registry transition to delegation process. Currently implemented on .net; validated by ICANN during 29 June 2005 registry transition to delegation process.

Registry Service	Applicable RFCs	Prior ICANN Approval and Evidence of Compliance
D. IDNs	At this time, American Broadcast Companies, Inc. does not plan to offer IDNs. If it offers IDNs in the future, American Broadcast Companies, Inc. will contact ICANN to initiate the ICANN processes required to gain the applicable approvals to offer IDN services.	
E. DNSSEC	**RFC 4033:** DNS Security Introduction and Requirements	ICANN approved the same service for Verisign's use on the .com and .net registries on 6 Nov 2009 (RSEP Proposal 2009011).
	RFC 4034: Resource Records for the DNS Security Extensions	
	RFC 4035: DNSSEC Protocol Modifications for the DNS Security Extensions	
	RFC 4509: Use of SHA-256 in DNSSEC Delegation Signer Resource Records	
	RFC 4641: DNSSEC Operational Practices	
	RFC 5155: DNS Security Hashed Authenticated Denial of Existence	
	RFC 5910: Domain Name System Security Extensions Mapping for the Extensible Provisioning Protocol	

Figure 23-2: ICANN RFC Compliance. *Verisign currently operates TLDs in full compliance with each registry service's applicable RFC(s). Each listed Verisign service has been previously approved by ICANN and is now operational on registries under Verisign management.*