Comment Template for: NIST SP 800-63-4 Suite (Initial Public Draft)

Please submit responses to dig-comments@nist.gov by March 24, 2023

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	Publication					Comment	
Comment #	(Base, 63A, 63B, 63C)	Section	Page	e#	Line #	(Include rationale for comment)	Suggested Change
						Dictionary words on the blocklist should include case variations (password, Password, Password,) as well as numeric	
						suffixes (passsword1, password235,) and "leet" substitutions (passw0rd, pa55word,).	
	63B	5.1.1.2		15	712		
2	63B	5.1.4.1		24		The secret key must be unique to the OTP device	
						The degree of permissible clock drift should not exceed 2 minutes. Large skew windows increase risk of replay attacks.	
	63B	5.1.4.2		25	994		
4	63B	5.1.5.1		25		The secret key must be unique to the MF-OTP device	
						The degree of permissible clock drift should not exceed 2 minutes. Large skew windows increase risk of replay attacks.	
5	63B	5.1.5.2		26	1060		
						Allowing 100 consecutive authentication failures is excessive, far greater than most organizations' policies or industry	
	63B	5.2.2				best practice. 10 would be reasonable.	
7	63B	5.2.3		33	1280	Rather than a blanket FMR limit of 1:10000, a different limit should be specified for each EAL.	
						Device fingerprinting - as opposed to true unique device identification - must not be used to enact a session. Device	
						fingerprints are typically profiles aggregated from attributes such as OS version, browser version, screen resolution, etc.	
8	63B	7.1.3		50	1881	that are not adequately unique for authentication usage.	
						An often overlooked session defense is to make explicit logoff easy for the user. Ensure a logoff button or menu selection	
						is prominent on every screen. Educate users to log off applications when finished. Logoffs reduce opportunities for	
9	63B		8.4	58	19/3	session hijacks including XSS and CSRF.	
						User facing text or images should not include icons such as padlocks or shields that typically serve as security indicators	
10	63B		10.1	63	2134	in browser chrome. Users can easily confuse page display with chrome.	
						There is no discussion in clause 10 of usability considerations for session management. At minimum, the need for easy-	
11	63B		10.3	69	2359	to-find logoff should be mentioned. (see comment 9)	
						Some users do not have fingers. While this may be considered an accessibility issue, it does mean alternative means of	
43	63B		10.4	72	2394	authentication may be needed for such users, along with those whose fingerprints have been severely degraded.	
12	D3B		10.4	12	2394	<u>I</u>	