EN 18031-1 clause	Mapped EN 303 645 clause(s)	Requirement (paraphrased)	Y/N/NA	Notes / evidence
ACM-1	5.5-4, 5.5-5	Use access-control mechanisms to protect security and network assets	Υ	
ACM-2	5.5-5, 5.6-7	Enforce least-privilege security configuration	Υ	
AUM-1	5.5-4, 5.5-5	Access control mechanisms required per ACM-1 shall use authentication mechanisms	Υ	
		Authentication has at least one element of the categories knowledge, possession		
AUM-2	5.1-3	and inherence (one factor authentication).	Υ	
AUM-3	N/A	Validate all relevant properties of the used authenticators	Υ	Crypto / checksum fails on incomplete auth
	5.1-4	Allow changes to authentication mechanisms, including tokens	Υ	, ,, ,
	5.1-2, 5.1-3	Enforce strong secrets (length, complexity) and use best-practice cryptography	Υ	
	5.1-5	Throttle or lock out after repeated authentication failures	Υ	aum6.js, maximum brute force speed 1 / s
	5.3-1, 5.3-2, 5.3-15	Implement secure update mechanisms for components, including replacement strategy	Y	
	5.3-9, 5.3-10	Guarantee authenticity and integrity of updates, especially via network	Y	
	5.3-3, 5.3-4, 5.3-5, 5.3-6	Provide automatic, user-transparent update processes with periodic checks	Y	
	3.3 3, 3.3 1, 3.3 3, 3.3 0	Trovide dutomatic, user transparent apaate processes with periodic effects	· ·	Security through physical means,
SSM-1	5.4-1, 5.6-3	Use secure storage for security assets and protect them physically	γ*	e.g. access controlled office or home
	3.1 1, 3.0 3	and protect them physically	'	Security through physical means,
SSM-2	5.4-1, 5.4-2	Protect security parameters against tampering and ensure integrity	γ*	e.g. access controlled office or home
	3.4 1, 3.4 2	Troceet seediffy parameters against tampering and ensure integrity	' '	Security through physical means,
SSM-3	5.4-1	Ensure secure storage mechanisms for all security parameters	γ*	e.g. access controlled office or home
	3.7 1	Secure communication mechanisms for communicating security assets and	<u>'</u>	e.g. decess controlled office of florife
SCM-1	5.5-6, 5.5-7	network assets with other entities via network interfaces	Υ	
JCIVI 1	3.5 0, 3.5 7	Apply best practices to protect the integrity and	<u> </u>	Public-key + symmetric cryptography for
SCM-2	N/A	authenticity of the security assets communicated	Υ	sensitive assets
	5.5-6, 5.5-7	Encrypt critical security parameters during transmission	Y	Sensitive assets
	5.5-1	Use cryptography resilient against replay attacks	Y	
	5.9-1	Design resilience against DoS and support graceful degradation	Y	
IVEIAI T	3.3-1	Design resilience against Dos and support gracerul degradation	ı	Data from relayed devices is aggregated to
NMM-1	N/A	Implement network monitoring and detection mechanisms	Υ	a constant interval / size
ININIIAI-T	IN/A	implement network monitoring and detection mechanisms	ı	Traffic separation from BLE to IP traffic,
TCM-1	N/A	Rate-limit traffic to prevent resource abuse	Υ	data aggregated rather than forwarded as-is
	IN/A	Rate-infilt traffic to prevent resource abuse	ĭ	CCKs that are solely used by a specific
				security mechanism excepted,
				64 bit password / signing root.
				Signed messages time-limited
CCK-1	N/A	Cryptographic credential minimum strength	γ**	(forward secrecy)
CCK-2	5.1-3	Generation of confidential cryptographic keys shall adhere to best practice cryptography	· ·	(101 Ward Secreey)
CCK-3	5.1-1, 5.4-4	Ensure credentials are unique	Y	
	5.2-1, 5.2-2, 5.2-3	Implement secure development lifecycle processes	Y	
	5.6-1, 5.6-5	Limit exposure of services via related network interfaces	Y	
GLC-Z	3.0-1, 3.0-3	Littlit exposure of services via related fletwork litterfaces	I	Configuration III can be disabled
GEC-3	N/A	Optional network interfaces / services can be disabled	Υ	Configuration UI can be disabled, all services configurable
OLC-3	11/7	Optional network interfaces / services call be disabled	I I	https://docs.ruuvi.com/gw-open-ports-services
				If document is moved, contact support@ruuvi.com
GEC-4	N/A	Documentation of exposed network interfaces and services	Υ	for up to date address
GEC-4	5.6-1, 5.6-3	Disable unused functionality and secure physical interfaces	Y	ioi up to date address
GEC-5	5.13-1	Validate inputs to prevent improper data	Y	
		, , ,		
CRY-1	5.1-3, 5.3-7, 5.5-1, 5.5-2, 5.5-3	Use reviewed cryptography, support crypto agility, and secure communications/updates	Y	
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