

	2022	2023	2024	2025	2026+
Regulatory milestones	NIST selects algorithms for standardization	Federal agencies plan for PQC adoption	NIST publishes PQC standards	CNSA 2.0: preference to PQC-compliant vendors	Vendors complete transition to PQC
Consortia	<ul style="list-style-type: none"> 👉 Open Quantum Safe (OQS) 👉 Post-Quantum Telco Network 	<ul style="list-style-type: none"> 👉 NCCoE 👉 PQC Coalition (MITRE) 	<ul style="list-style-type: none"> 🕒 Payments (EPAA, NACHA) 🕒 PQC Alliance (Linux Foundation) 	<ul style="list-style-type: none"> ○ Critical Infrastructure Protection Coalition 	
IBM services		<ul style="list-style-type: none"> 👉 Quantum-safe preparation & advisory 	<ul style="list-style-type: none"> 🕒 Application modernization 🕒 Platform modernization 	<ul style="list-style-type: none"> ○ Security platform modernization 	<ul style="list-style-type: none"> ○ Quantum-safe talent transformation
IBM Quantum Safe technology	<ul style="list-style-type: none"> 🕒 IBM Quantum Safe Remediator – Transform <ul style="list-style-type: none"> 🕒 Adaptive proxy 🕒 TLS, VPN, SSL 🕒 Performance benchmarking 🕒 IBM Quantum Safe Advisor – Observe <ul style="list-style-type: none"> 🕒 Dynamic scan 🕒 Cryptographic inventory 🕒 Cryptographic posture mgmt 🕒 IBM Quantum Safe Explorer – Discover <ul style="list-style-type: none"> 👉 Static scan 👉 CBOM generation 👉 CI/CD integration 				
			<ul style="list-style-type: none"> 🕒 MAYO, UOV, SQISign 🕒 OpenSSL 	<ul style="list-style-type: none"> 🕒 Crypto-agility framework 🕒 Encryption 🕒 Key/certificate management 	<ul style="list-style-type: none"> ○ Automated remediation ○ LLM-based recommendation
				<ul style="list-style-type: none"> 🕒 Risk-based prioritization 🕒 Enriched metadata 	<ul style="list-style-type: none"> ○ AI-driven risk analysis
Algorithms, protocols, standards, libraries	<ul style="list-style-type: none"> 👉 Key encryption: CRYSTALS - Kyber 👉 Digital signature: CRYSTALS - Dilithium, FALCON 	<ul style="list-style-type: none"> 👉 Cryptography Bill of Materials (CBOM) 		<ul style="list-style-type: none"> ○ LLM-assisted scanning 	
IBM infrastructure		<ul style="list-style-type: none"> 👉 IBM z16, IBM Hyper Protect Crypto Services, IBM Tape Storage, Hardware Security Modules (HSM) 	<ul style="list-style-type: none"> 🕒 IBM Cloud, IBM Software, Red Hat, IBM Storage, IBM Power 		