



WHITE PAPER

# Complete Compliance with 21 CFR Part 11

CountWire<sup>™</sup> System for the LUNA-FX7<sup>™</sup>



With advancing technology and the subsequent increase in electronic record keeping, the demand for electronic data protection and security is more prevalent. To ensure the accuracy, reliability, authenticity, and consistency of electronic records the United States Food & Drug Administration established Title 21 also known as 21 CFR Part 11, to regulate electronic records and electronic signatures.

In general, Part 11 applies, with some specific exceptions, to drug producers, medical device manufacturers, biotech companies, developers of biologics, CROs and other industries controlled by the FDA. Regulated institutions are required to carry out controls, audits, system validations, audit trails, electronic signatures, and documentation for software and systems involved in generating, processing, and storing electronic data.

The 21 CFR Part 11 consists of 3 subparts, General Provisions, Electronic Records, and Electronic Signature. Because the General Provisions subpart includes explanations related to scope, implementation, and definitions; we will focus mainly on the details of subpart B and in this document.

SUBPART A General Provisions	SUBPART B Electronic Records	SUBPART C Electronic Signatures
The scope of the regulations, where and how the regulations should be applied, and provides definitions for key terms used in the regulations.	Requirements for controls of closed and open electronic record-keeping systems, signature manifestations and requirements for signatures and records to be linked.	Three parts: 1) general requirements for electronic signatures, 2) electronic signature components and controls, and 3) controls for identification codes/passwords.
11.1 Scope 11.2 Implementation 11.3 Definitions	11.10 Controls for closed systems 11.30 Controls for open systems 11.50 Signature Manifestations 11.70 Signature record/linking	11.100 General Requirements 11.200 Electronic signature components and controls 11.300 Controls for Identification codes/passwords

## CountWire<sup>™</sup> System: 21 CFR Part 11 Ready

CountWire<sup>™</sup> System Components: Control – Store - Create



The CountWire<sup>™</sup> System consists of the CountWire<sup>™</sup> Client software installed in PCs, the CountWire<sup>™</sup> Data Storage, and the LUNA-FX7<sup>™</sup> Automated Cell Counter, connected and controlled under the same network.

The CountWire<sup>™</sup> System allows multiple users to remotely access and manage data from multiple LUNA-FX7<sup>™</sup> units connected to the network. Working through a PC connected to a network, authorized users may access data from one or more devices, no matter where they may be located. Further, users may approve counting reports on the LUNA-FX7<sup>™</sup>, without having to move to a PC.

The CountWire<sup>™</sup> System completely supports 21 CFR Part 11 compliance, enabling the LUNA-FX7<sup>™</sup> Automated Cell Counter to be used in a regulated process. This document provides guidelines on how the CountWire<sup>™</sup> System is compliant with 21 CFR Part 11 regulations when it is used as a closed system.

#### User Management & Access Control

The CountWire<sup>™</sup> System establishes two user groups, Administrators and Users with different levels of access and privilege. Within Users, there are further access levels: Creator, Reviewer, and Approver. Users may be organized into groups based upon accessibility and approval lines. The CountWire<sup>™</sup> System's user management provides a high degree of flexibility in establishing user roles.

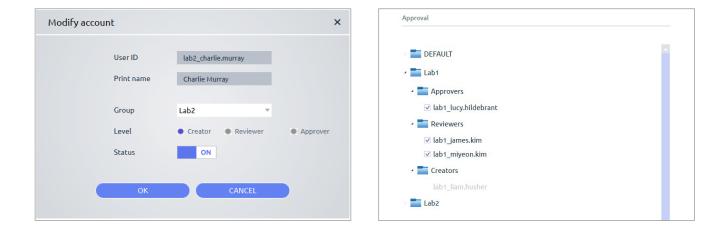
Only authorized administrators and users may access the system with a user ID and password. Administrators, among other roles, establish and manage password related settings and functions such as minimum length, valid period, account locks and invalid login attempt lockouts. Administrators also are responsible for establishing user and group levels that control accessibility to data.

Data may only be created after an authorized user logs into the system. Upon successful login, the LUNA-FX7<sup>™</sup> switches to Security mode. When operating under Security mode all actions are recorded within the audit trail, time stamped, tagged to user, identified with the instrument name and serial number. Further, only data and counting reports created under Security mode may be forwarded for report approval.

CountWire	Storage IP 19	2 168	0	39	Minimum length	8	Characters (8 - 20)
	Storage port 22				Change cycle	2	Months (1 - 12)
					Account lock	3	Invalid login ( 3 - 10 )
	User ID						
	Password		-				
		10	GIN		Miscellaneous		
			N UP		Auto logout	10	Minutes ( 5 - 60 )
		510			Self approval	ON	



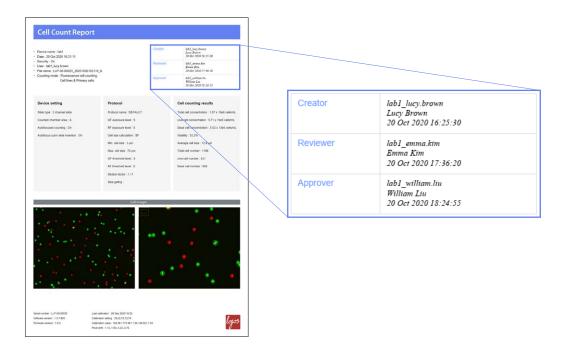
	Administrator	1		Users	
			Approver	Reviewer	Creator
R	ole/Level	What the	ey do		
Ac	dministrator		Responsible for system settings, man	agement, and accessibility.	
liser	Approver		Responsible for final approval of cou		
User	Reviewer		Responsible for reviewing and appro		
	Creator		Responsible for creating counting rep	ports and approving the repo	orts they create.



#### Electronic Signature

All reports may be digitally signed. The electronic signature information includes the name and User ID of the signer, the date and time of signature execution and meaning (e.g. review or approval) of the signature.

Saves and approvals of the counting data require User ID and password. Each user ID and password must be unique and only one active user ID may be assigned to each person. All signatures are linked to the related electronic records and cannot be removed any record.



#### Audit Trail

All actions and changes are retained in the event log. The event log includes, the Date & Time, User ID, Instrument name, Instrument serial number, and actions taken while logged in. New audit trail values are recorded in addition to old values; and audit trails may not be modified, deleted, or deactivated. Audit trails may be exported or printed for the review.

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Date & Time	User ID	Instrument	Serial No	Event		13	
20201215 15:25:30	administrator	Louncwire	Seriativo	Event log exported			
20201215 15:24:56	administrator	CountWire		Event log printed			
20201215 15:24:46	administrator	CountWire		Event log printed			
20201215 15:24:27	lab1_lucy.brown	lab1	LU7-00-00020	Logout by timeout			
20201215 15:23:23	administrator	CountWire		Login successful			
20201215 15:14:27	lab1_lucy.brown	CountWire		Login successful			
20201215 15:13:30	lab1_lucy.brown	CountWire		Login successful			
20201215 15:12:36	lab1_lucy.brown	CountWire		Report printed - Name/LU7-00-00020_20201214140518LU7-00-00020_20201214140518 - Ch	A		
20201215 15:06:12	lab1_lucy.brown	lab1	LU7-00-00020	Cell counting completed			
20201215 15:04:37	lab1_lucy.brown	CountWire		Report approved - Name/LU7-00-00020_20201214140445			
20201215 15:04:12	lab1_lucy.brown	CountWire		Report approved - Name/LU7-00-00020_20201214140413			
20201215 15:03:05	lab1_lucy.brown	lab1	LU7-00-00020	Cell counting performed - Protocol name/DEFAULT			
20201215 15:01:53	lab1_lucy.brown	CountWire		Login successful			
20201215 15:01:49	administrator	CountWire		Login tried			
20201215 15:01:25	administrator	CountWire		Logout			
20201215 15:01:11	lab1_lucy.brown	lab1	LU7-00-00020	Current setting - Autofocus upon slide insertion/On			
20201215 15:01:10	lab1_lucy.brown	lab1	LU7-00-00020	Current setting - AutoFocused counting/On			
20201215 15:01:09	lab1_lucy.brown	lab1	LU7-00-00020	Current setting - Staining options/Not applicable			
20201215 15:01:08	lab1_lucy.brown	lab1	LU7-00-00020	Current setting - Counting chamber area/All			
20201215 15:01:08	lab1_lucy.brown	lab1	LU7-00-00020	Current setting - Combine results of selected chambers/On			
20201215 15:01:07	lab1_lucy.brown	lab1	LU7-00-00020	Current setting - Slide/3 Ch.			
20201215 15:01:06	administrator	CountWire		Instrument setting modified - Cell counting setting modified - lab1/Combine results of select	ed chambers/Off -> On		
					PRINT	EXPORT	

#### Data Safety and Security

The CountWire<sup>™</sup> System reliably protects all from deletion, overwriting, alteration, and/or possible accidents.

The CountWire<sup>™</sup> Data Storage capacity is 4 TB with a mirrored 4 TB of storage to protect the data in the event of physical damage to the system. Deletion or overwriting of data is not allowed in the CountWire<sup>™</sup> System. The authenticity of the approved reports is confirmed and displayed by icons.

The authenticity of a report is represented by color coded icons.

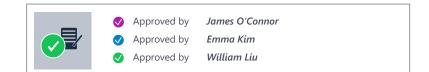


The original report is in good condition.



The original report may be damaged or forged.

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Date 🗂 🕺	Instrument All	<ul> <li>User All</li> </ul>	<ul> <li>Approval All</li> </ul>	<b>*</b>		Q X	Cell Count Report		
Server						⊖ Refresh	<ul> <li>Defense a sit</li> <li>Date initiat 223 millione</li> </ul>	Contrast 2014 Semigravity Storage Contrast of Contrast of DC 2005 2014	10 11 12
Date	File	Instrument	User ID	Creator	Reviewer	Approver	<ul> <li>Series Sec.</li> <li>Sec. Said Bandware</li> <li>Bandware Sec.</li> </ul>	Anary See     Sectors     Advancement     Advancement     Advancement     Advancement     Advancement     Advancement     Advancement	
20201015 16:16:08	LU7-00-00020_20201015161604	lab1	lab1_james.oconnor	0	0	0	<ul> <li>Consistential Physics and analytical Physics of the p</li></ul>	Average Annotation	
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20201015 16:18:08	LU7-00-00020_20201015161803	lab1	lab1_james.oconnor	0	0	0	Davice satting Protocol Lidelage - storanticies Inconference	Call ownedby rate	
20201015 16:18:58	LU7-00-00020_20201015161854	lab1	lab1_james.oconnor	0	0	0	Constrainterance A effectives on Autopsoletarities Co. Pressure and		
20201015 16:19:56	LU7-00-00020_20201015161951	lab1	lab1_james.oconnor	0	0	0	doteficantose vice inclusion. On Oil documentati	en Maria Malan († 16	
20201015 16:20:59	LU7-00-00020_20201015162054	lab1	lab1_james.oconnor	0	0	0	Ky listics 2p	a isteinner in	,
20201015 16:27:55	LU7-00-00020_20201015162750	lab1	lab1_james.oconnor	0	۲	0	Without or Rithout an		
20201015 16:28:54	LU7-00-00020_20201015162848	lab1	lab1_james.oconnor	۲	۲	0	Oktober	r	
20201015 16:30:00	LU7-00-00020_20201015162956	lab1	lab1_james.oconnor	۲	۲	0			
20201015 18:47:40	LU7-00-00020_20201015184735	lab1	lab1_james.oconnor	0	۲	0		Califroqua	
20201015 18:48:29	LU7-00-00020_20201015184825	lab1	lab1_james.oconnor	0	0	0		•••	
20201015 18:49:21	LU7-00-00020_20201015184916	lab1	lab1_james.oconnor	0	0	0		· · · · ·	•. •
20201015 18:50:47	LU7-00-00020_20201015185043	lab1	lab1_james.oconnor	0	0	0		•	
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> 20201027 10:24:10	LU7-00-00020_20201026203240	lab1	lab1_james.oconnor	0	۲	•		· ·	
> 20201027 10:24:28	LU7-00-00020_20201026203256	lab1	lab1_james.oconnor	0	0	•			
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20201027 10:25:21	LU7-00-00020_20201026203347	lab1	lab1_james.oconnor	•		•		1 /2 >	PC
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20201015 15:52:47	LU7-00-00020_20201015155239	lab1	lab1_lucy.brown	0	0	0		James O'Connor Emma Kim	
20201015 16:00:53	LU7-00-00020_20201015160048	lab1	lab1_lucy.brown	0	0	Ø -	Approved by		



### Meeting the Regulatory Requirements of 21 CFR Part 11 with the CountWire™ System

The table below explains how the features and functions of the CountWire<sup>™</sup> System connected with the LUNA-FX7<sup>™</sup> satisfies the requirements of 21 CFR Part 11.

# Important ! Please note that the descriptions and explanations we provide represent our interpretations of the 21 CFR Part 11 regulations as the product provider, not representing any government agency.

Part and Description	Comment
Subpart B - Electronic Records	
Controls for Closed Systems	
System Validation	
11.10 (a) Validation of systems to ensure accuracy, reliability, consistent intended performance, and the ability to discern invalid or altered records.	Invalid or altered records are recognized by the system by comparing them with the encrypted original records. CountWire™ Client displays the authenticity of the report. All records are read-only and cannot be modified or removed by any user or administrator. A validation guideline for the CountWire™ System is available.
Human Readable Records	-
11.10 (b) The ability to generate accurate and complete copies of records in both human readable and electronic form suitable for inspection, review, and copying by the agency. Persons should contact the agency if there are any questions regarding the ability of the agency to perform such review and copying of the electronic records.	The CountWire <sup>™</sup> Client software generates human-readable PDF reports that may be printed for inspection, off-line reviews, and duplication by the FDA. Counting reports and audit trails may be exported in PDF format through the CountWire <sup>™</sup> Client to a user's PC. Reports may be printed from the PC. From the user's PC, the data may be transferred to USB flash drives or through the network. However, after any data has been exported, Logos Biosystems is not responsible for further data security.
Protection of Records	
11.10 (c) Protection of records to enable their accurate and ready retrieval throughout the records retention period.	All electronic records are backed up in the mirroring storage so that data may be recovered after a possible computer system failure.The CountWire <sup>™</sup> Data Storage is up to 4 TB with an additional, mirrored 4 TBs storage.Data cannot be over written. When a user attempts to save data under a previously used file name, the system automatically adds a suffix to the file's name to generate a unique name.
Limiting System Access	
11.10 (d) Limiting system access to authorized individuals.	The CountWire <sup>™</sup> limits system access to authorized individuals. Users may access the system only with their own ID and password. The CountWire <sup>™</sup> supports assigning 3 levels of users or user groups. A different level of privilege may be assigned to each user or group (Creators, Reviewers, or Approvers). The administrator, at any time, may revoke or reassign the privileg of users and groups. The system automatically logs out users after a period of inactivity. An administrator is able to set the inactivity period (5-60 min).

	The CountWire <sup>™</sup> allows password requirements to be established by an administrator that include minimum length (8-20 characters), password change cycle (1-12 months) and lockout after invalid log-in attempts (3-10 times/day). Previously used passwords are not allowed to be used by the same user.Only the administrator may unlock an account. All login attempts, successful or not, are recorded in the system event log.
Audit Trails	
11.10 (e) Use of secure, computer-generated, time-stamped audit trails to independently record the date and time of operator entries and actions that create, modify, or delete electronic records. Record changes shall not obscure previously recorded information. Such audit trail documentation shall be retained for a period at least as long as that required for the subject electronic records and shall be available for agency review and copying.	The system automatically records and generates audit trails of all user actions that include the date & time, user ID, instrument name, and the instrument's serial number. New audit trail values are recorded in addition to old values. Audit trails are backed up to the mirror storage and not allowed to be deleted. Audit trails may be exported or printed for review. Audit Trails cannot be modified, deleted, or deactivated.
Operational System Checks	
11.10 (f) Use of operational system checks to enforce permitted sequencing of steps and events, as appropriate.	The system enforces the sequence of data generation. The CountWire™ restricts user access to specific protocols and counting settings (e.g. slide selection). Users are only allowed to perform the steps their level of privilege grants.All events within the system are ordered and time-stamped within the audit trail.
Authority Checks	
11.10 (g) Use of authority checks to ensure that only authorized individuals can use the system, electronically sign a record, access the operation or computer system input or output device, alter a record, or perform the operation at hand.	Accessing the CountWire <sup>™</sup> software requires a unique user ID and PW in addition to the login information required to access the computer system. The system allows different access control level for the different user levels: creator, reviewer, and approver. A user may only access the system with a valid user ID and password. Users are required to log-in after every inactivity or user-initiated logout. Any changes and modifications to the system by a user are recorded and assigned to their user ID.
Device Checks	
11.10 (h) Use of device (e.g., terminal) checks to determine, as appropriate, the validity of the source of data input or operational instruction.	The system checks the validity of the data source. By recognizing instrument names, serial numbers, and IP addresses through proprietary binary communications.
Training	
11.10 (i) Determination that persons who develop, maintain, or use electronic record/electronic signature systems have the education, training, and experience to perform their assigned tasks.	The organization using the system is responsible for ensuring that users and administrators have the education, training and experience required to perform their tasks. Documents and training are provided only by Logos Biosystems. External maintenance services may only be provided by Logos Biosystems.

Policies for Signatures	
11.10 (j) The establishment of, and adherence to, written policies that hold individuals accountable and responsible for actions initiated under their electronic signatures, in order to deter record and signature falsification.	The organization is responsible for developing written policies that ensure the individuals are accountable and responsible for actions initiated under their electronic signatures.
System Documentation	
11.10 (k) (1) Adequate controls over the distribution of, access to, and use of documentation for system operation and maintenance.	Documentation such as the user manual and software update notices are available for the users and administrators. However, controls over the storage and distribution of any documentation are the organization's responsibility.
11.10 (k) (2) Revision and change control procedures to maintain an audit trail that documents time-sequenced development and modification of systems documentation.	Logos Biosystems follows revision and change control procedures and life cycle management procedures for documen control. The CountWire <sup>™</sup> Client software may be updated by the administrator or users. Only the administrator may update the CountWire <sup>™</sup> Data Storage program. All data will remain intact with no loss of data security or traceability after any update. Only creation of reports is allowed. Reports cannot be modified or deleted. All report creations are time-stamped and logged as part of the audit trail.
Controls for Open Systems	
11.30 Persons who use open systems to create, modify, maintain, or transmit electronic records shall employ procedures and controls designed to ensure the authenticity, integrity, and, as appropriate, the confidentiality of electronic records from the point of their creation to the point of their receipt. Such procedures and controls shall include those identified in 11.10, as appropriate, and additional measures such as document encryption and use of appropriate digital signature standards to ensure, as necessary under the circumstances, record authenticity, integrity, and confidentiality.	Logos Biosystems encourages the use of the system as a closed system. If used as an open system, the organization is responsible for ensuring the authenticity, integrity, and, if appropriate, the confidentiality of the system's electronic records.
Signature Manifestations	
Content of a Digital Signature	
<ul> <li>11.50 (a)</li> <li>Signed electronic records shall contain information associated with the signing that clearly indicates all of the following</li> <li>(1) The printed name of the signer;</li> <li>(2) The date and time when the signature was executed;</li> <li>(3) The meaning (such as review, approval, responsibility, or authorship) associated with the signature.</li> </ul>	The CountWire <sup>™</sup> s digital signatures contain 1) the printed name of the signer; 2) the date and time when the signature was executed; and 3) the meaning (such as creator, reviewer, approver, responsibility, or authorship) of the signature. The CountWire <sup>™</sup> allows two roles: an administrator and users. For users there three levels: creator, reviewer, and approver. Only the system administrator can enable and modify the level of the user.

Human Readable Form	
11.50 (b) The items identified in paragraphs (a)(1), (a)(2), and (a)(3) of this section shall be subject to the same controls as for electronic records and shall be included as part of any human readable form of the electronic record (such as electronic display or printout).	All items in the signatures, user ID, printed name, date and time, and meaning are included in the human-readable form, PDF files.
Signature/Record Linking	
11.70 Electronic signatures and handwritten signatures executed to electronic records shall be linked to their respective electronic records to ensure that the signatures cannot be excised, copied, or otherwise transferred to falsify an electronic record by ordinary means.	Signatures and approvals require user ID and password. Signatures cannot be excised, copied, or transferred. All electronic signatures are linked to the respective electronic records. Electronic signatures are embedded in the document and encrypted.
Subpart C - Electronic Signatures	
General Requirements	
Uniqueness	
11.100 (a) Each electronic signature shall be unique to one individual and shall not be reused by, or reassigned to, anyone else.	Electronic signatures cannot be reused and should be executed for each new electronic record. The organization is responsible for verifying the identity of the individual executing the signature.
Verification of Identity	
11.100 (b) Before an organization establishes, assigns, certifies, or otherwise sanctions an individual's electronic signature, or any element of such electronic signature, the organization shall verify the identity of the individual.	Electronic signatures cannot be reused and should be executed for each new electronic record. The organization is responsible for verifying the identity of the individual executing the signature.
Certification of Equivalence	
11.100 (c) Persons using electronic signatures shall, prior to or at the time of such use, certify to the agency that the electronic signatures in their system, used on or after August 20, 1997, are intended to be the legally binding equivalent of traditional handwritten signatures.	The organization is responsible for certifying that digital signatures are intended to be legally finding equivalent of handwritten signatures.
11.100 (c) (1) The certification shall be submitted in paper form and signed with a traditional handwritten signature, to the Office of Regional Operations (HFC-100), 5600 Fishers Lane, Rockville, MD 20857.	The organization is responsible for certifying that digital signatures are intended to be legally finding equivalent of handwritten signatures.
11.100 (c) (2) Persons using electronic signatures shall, upon agency request, provide additional certification or testimony that a specific electronic signature is the legally binding equivalent of the signer's handwritten signature.	The organization is responsible for certifying that digital signatures are intended to be legally finding equivalent of handwritten signatures.

Signature with Biometrics or Code and Password	
11.200 (a) (1) Employ at least two distinct identification components such as an identification code and password.	CountWire™ employs two distinct identification components: a user ID and password.
11.200 (a) (1) (i) When an individual executes a series of signings during a single, continuous period of controlled system access, the first signing shall be executed using all electronic signature components; subsequent signings shall be executed using at least one electronic signature component that is only executable by, and designed to be used only by, the individual.	When an individual executes one or more signings during a continuous period of controlled system access, all electronic signature components must be executed at each signing.
11.200 (a) (1) (ii) When an individual executes one or more signings not performed during a single, continuous period of controlled system access, each signing shall be executed using all of the electronic signature components.	Each signature not performed during a single, continuous period of controlled system access requires all signature components.
11.200 (a) (2) Be used only by their genuine owners.	No two users may have the same user ID/password combinatior The organization is responsible for ensuring that proper rules and documentation for executing an electronic signature are in place.
11.200 (a) (3) Be administered and executed to ensure that attempted use of an individual's electronic signature by anyone other than its genuine owner requires collaboration of two or more individuals.	The CountWire <sup>™</sup> does not provide a proxy signature function. Only the account owner may modify the password and only the administrator can reset the password after proper verification of the user. The enforcement of this policy is the responsibility of the organization that operates the system.
Biometrics Ensure Genuine Owners	
11.200 (b) Electronic signatures based upon biometrics shall be designed to ensure that they cannot be used by anyone other than their genuine owners.	CountWire™ does not support biometric signatures.
Controls for Identification Codes/Passwords	
Uniqueness of Code/Password	
11.300 (a) Maintaining the uniqueness of each combined identification code and password, such that no two individuals have the same combination of identification code and password.	No two individuals may have the same combination of ID and password. User IDs and passwords are required to be unique.
Periodical Check of Issuance (e.g. Password Aging)	
11.300 (b) Ensuring that identification code and password issuances are periodically checked, recalled, or revised.	Passwords will expire and need to be rest after an expiration period (1-12 months) that is set by the administrator.

Loss Management	1		
11.300 (c) Following loss management procedures to electronically deauthorize lost, stolen, missing, or otherwise potentially compromised tokens, cards, and other devices that bear or generate identification code or password information, and to issue temporary or permanent replacements using suitable, rigorous controls.	Only the administrator may reset a password after proper verification of the individual if a user has lost or forgotten a password. In the case of a forgotten user ID is forgotten, a new account should be generated. User IDs are not allowed to be removed or deleted.		
Safeguards and Detection of Unauthorized Attempts			
11.300 (d) Use of transaction safeguards to prevent unauthorized use of passwords and/or identification codes, and to detect and report in an immediate and urgent manner any attempts at their unauthorized use to the system security unit, and, as appropriate, to organizational management.	Both components of the electronic signature, ID and password, are executed with each signing. All passwords are stored encrypted and cannot be accessed by any user or administrator. After an administrator-set number (3–10 times/day) consecutive unsuccessful login attempts, a user's account is locked, preventing access. The account remains locked until the administrator resets the password.		
Testing of Devices, Cards, etc.			
11.300 (e) Initial and periodic testing of devices, such as tokens or cards, that bear or generate identification code or password information to ensure that they function properly and have not been altered in an unauthorized manner.	The CountWire <sup>™</sup> does not support devices that bear or generate identification code or password information, such as tokens or cards.		
Additional Features and Capabilities which Increase Data Integrity	/		
The system's administrative software, installed on a PC, may be connected to the network, allowing multiple devices to provide remote access and data management.	The system allows for CountWire <sup>™</sup> Client to be installed on a computer, which is physically separated from the location of the LUNA-FX7 <sup>™</sup> connected over Ethernet or WiFi. This allows for multiple LUNA-FX7 <sup>™</sup> devices and the software installed PCs to be connected and managed.		
After approvals are completed, the data is permanently locked to be read-only to prevent editing.	The system allows for counting reports to be permanently locked to be read-only after results have been approved and signed off.		
Data backup and restore procedures to prevent data loss.	The system allows administrative users to perform a backup and restore data. The organization is responsible for establishing and implementing operating procedures to prevent data loss.		
Data migration after the system version-up.	All data will remain intact with no loss of data security or traceability after system version updates.		
The system must be programmed to automatically log out after an inactivity time set.	The system has an inactive period Auto logout function that is set by an administrator (5–60 min).		