White Paper on Cross-border multimodal digital corridors for regulatory-related movements of consignment data and consignment status information for trade facilitation

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Please make all comments using this template.
Please propose suggested changes in order to make the Draft align with your comments (only those with proposed changes can be fully considered).

Ref. (leave blank)	Draft version number	Line numbers	Type of comment[1]	Comments	Proposed changes	Working Group Observations (leave blank)
	v 0.1	Chapter 5, "Essentially any technology that supports verifiable credentials, data encryptions, immutability (such as blockchain) are suitable for implementing the digital corridors."	ge	GLEIF has pioneered a new form of digitized organizational identity to meet the global need for automated authentication and verification of legal entities across a range of industries called the **verifiable LEI (vLEI).** By creating the vLEI, GLEIF is now answering to this urgent and unmet need of pioneering a multi-stakeholder effort to create a new global ecosystem for organizational digital identity. The vLEI concept is simple: It is the secure digital counterpart of a conventional LEI, the global ISO standard 17442. In other words, it is a digitally trustworthy version of the 20-digit LEI code which is automatically verified, without the need for human intervention. The **vLEI** is a globally recognized credential that allows signing and data inscription bringing:	To include vLEI as an example of globally recognized digital credential that fulfils mentioned requested features: Authentication, integrity, non-repudiation.	

				- Authentication - Non-repudiation - Integrity - Split of accountability – multi-signing different parts of the document ▪ **Authenticates** — Each vLEI requires an underlying LEI that matches the file submitter legal entity code. ▪ **Combines identification and authentication** — Decentralized identification and verification for organizations as well as the people who represent their organizations either in official or functional roles. ▪ **Enables delegation of authority** — Allows for more efficient management and operational effectiveness within the organization by enabling the submitting entities to manage in a more flexible manner internal workflows regarding the assignment or transfer of authority, such as changes in fillers, proxies, etc.		

				▪ **Solves the common problem of lack of trust and the costs involved for creating trust** — Because the vLEI leverages the well-established Global LEI System (GLEIS), which is the only open, standardized and regulatory-endorsed legal entity identification system, it can establish digital trust between all organizations, everywhere. — The vLEI ecosystem and infrastructure is a Zero Trust Architecture (ZTA) for organizational identity.		
	v 0.1	Chapter 7, 7.1 "Stakeholder Digitalization Challenges, Concerns and Costs"	ge	The vLEI credential can be used to securely sign documents keeping their integrity and signer's identity clear and trusted. Additionally, the vLEI credentials allow to multi-sign documents, splitting in this way the accountability of the content among different signers and parts signed. As an example, in 2021, GLEIF began the practice of signing its annual report (and financial statements contained therein) using vLEIs. The entire report was signed by GLEIF's CEO and Board Chair, and individual vLEIs were used by GLEIF's Chief Financial Officer and GLEIF's auditors to sign specific content. This means that not only 'the entity behind the report' is confirmed (by the presentation of the LEI) but also that the authenticity of each section is confirmed by those responsible for its production. Please refer to:	To propose the vLEI as a globally reliable credential that meets these features (Protect Intellectual Property, Protect Consignment Information, Protect Consignment Security, Perceived benefits and incentives) and in addition provides the multi-sign feature.	

				https://www.gleif.org/en/newsroom/blog/the-signing-of-things-to-come-how-the-vlei-enables-digital-verifiability-in-financial-and-esg-reporting-and-beyond		
	v 0.1	Chapter 7, "Compatibility with organization structure"	ge	The vLEI Role Credentials issued to Persons whose **Official Organizational Roles** (ISO 5009 standard) that can be verified both by the organization as well as against one or more public sources, or through official documents obtained from the organization such as Board minutes or resolutions, statutes or articles, which would validate the name and the role of the OOR Person. For example: - vLEI Role Credential for a CEO Can be used to: o carry out official duties and powers conferred legally or required by regulation, e.g., annual reports, regulatory reports o carry out internal policies, duties or tasks, e.g., approve strategic plans, sign employee service awards The vLEI Role Credential issued by Legal Entities to Persons **in the context of the engagement** of those Persons with an organization which can be verified by the organization. For example:	To mention the vLEI as a credential with compatibility with organization structure on global standard basis – ISO 5009 and the CEO role example.	

				- vLEI Role Credentials issued by an organization to its authorized suppliers - Requirements for use defined by the organization - Could require authorized suppliers to submit invoices signed with their vLEI Role Credentials to eliminate presentation of fraudulent invoices		
	v 0.1	Chapter 7, "Compatibility with existing systems"	ge	The vLEI delivers a decentralized digital identity solution that is interoperable: It supports modern technical networks, in which there are many interconnected zones, cloud services, connections to remote and mobile environments, and connections to IoT devices. The vLEI network-of-networks is based on KERI: Development of the capabilities needed for issuance, verification and revocation of vLEIs do not need to operate on blockchain or distributed ledger technology. This would allow GLEIF to **connect to any blockchain or distributed ledger technology SSI network or cloud infrastructure** without the need for custom implementation, cost and overhead of operation. Discoverability and interoperability are achieved through the use of the **did:webs** DID Method.	To mention the vLEI as a globally recognized credential with interfaces to be bridged to any DLT or system.	

[1] Types of comments: ge = general; te = technical; le = legal; ed = editorial
(This document is inspired by the ISO/IEC/CEN/CENELEC electronic balloting commenting template/version 2012-03)