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| **Heading** | **Description** |
| Scope / Use Case Class | **Identity Proofing (Online)** |
| Use Case Name | **Distributed Ledger and Key** |
| Context | An Individual has a key that entitles them to access their ledger entries across in a distributed ledger. The Individual gives the RP temporary permission to view ledger entries that demonstrate:   * Interactions with multiple RPs over time * Identifying attributes used in the interactions, such as name, address, email, phone, CC# |
| Stakeholders & Interests | * Individual – completing a transaction or gaining access to a system * Relying Party (RP) – prevent identity fraud and transact with the Individual * Distributed Leverage service provider (DL-SP) – provide quality service for a fee |
| Triggers | * Individual needs access to an online service and the RP requires confidence in the identity of the Individual |
| Success Guarantees | * The legitimate holder of the key has established a track record of positive interactions with multiple relying parties using the identity attributes in the ledger. |
| Minimum Guarantees | * There is a key that has been used across multiple RPs * The attributes have been used in past interactions |
| Primary Actor | Individual / DL-SP |
| Preconditions | The individual has a key and has had positive interactions with participating RPs |
| Main Success Scenario | 1. The Individual connects to the RP, is presented with privacy statements and a clear description of the DL-SP 2. The Individual consents to involvement of the DL-SP 3. The Individual connects to the DL-SP (e.g., OAuth) to present their key and give consent to share ledger entries with the RP (the Individual can control with ledger entries) 4. The DL-SP supplies an access token to the RP 5. The RP inspects the ledger entries 6. The RP makes a risk determination whether to enroll the Individual or put them through additional proofing (e.g., photo ID scan, in-person) |
| Resolution  (SP 800-63) | The Individual is given a unique private key by the DL-SP |
| Evidence  (SP 800-63A) | The Individual presents the key as evidence to their identity and ledger activity |
| Validation  (SP 800-63A) | The key is used to share ledger entries with the RP (the ledger entries provide validation of past interactions) |
| Verification  (SP 800-63A) | The key demonstrates cryptographic provenance over the Individual’s ledger entries |
| Address Confirmation  (SP 800-63A) | A notice can be sent to an email or address found in the ledger |