**FG DLT Use case Description Template**

This template aims to define key features of the DLT-based use case from both business and technical perspectives. This use case is submitted to ITU FG on DLT for inclusion in its database. The best use cases are going to be included in the final deliverable of FG DLT WG2.

**Section 1: Summary**

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| Use Case Summary | | | |
| Use Case ID: |  | Use Case Type: | *Vertical/Horizontal* |
| Submission Date: |  | Is Use Case supporting SDGs | *Yes/no* |
| Use Case Title: |  | Domain: | *List 1 Appendix 1* |
| Status of Case | *e.g., Concept, PoC, Pilot, Implementation* | Sub-Domain | *If necessary* |
| Contact information of person submitting/  managing the use-case | *Full Name Job Title*  *E-mail address: Telephone number:*  *Social media: Web site:* | | |
| Proposing Organization | *Legal name, Country and national registration number (as applicable)* | | |
| Short Description | *1-3 sentences* | | |
| Long description | *1200 characters maximum* | | |
| SDG in Focus (when applicable) | *Enter one or more number (1-17) and specific corresponding indicator/s as applicable*  *See* [*https://www.un.org/sustainabledevelopment/sustainable-development-goals/*](https://www.un.org/sustainabledevelopment/sustainable-development-goals/) | | |
| Value Transfer: | *If potential solution allows to transfer any value (e.g. assets, tokens, etc.)* | Number of Users: |  |
| Types of Users: | *Those who execute some step in the process* | | |
| Stakeholders | *Those who are impacted by this use case* | | |
| Data: | *What data are expected to be stored in distributed ledger in terms of types, record structure, privacy, etc.*  *How DLT solution would interact with external data and other systems.* | | |
| Identification: | *Identification mechanism and rules; ability of participants to be anonymous, etc.* | | |
| Predicted Outcomes: |  | | |

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| Overview of the Business Problem or Opportunity |
| *Explanation of the business problem or opportunity.* |
| Why Distributed Ledger Technology? |
| *How distributed ledger technology would improve the current solutions (if they exist) or enable new solutions which were previously unavailable.*  *Please also specify which DLT features are required (immutability, security, verifiability, resilience, transparency, etc.)* |

**Section 2: Current process**

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| Current Solutions |
| *If there are existing systems which automate the above business problem/opportunity.* |

| Existing Flow (as-is) | | |
| --- | --- | --- |
| Step | User Actions | System Actions |
| 1. |  |  |
| 2. |  |  |

| Process scheme (as-is) |
| --- |
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| Data and information (as-is) | | |
| --- | --- | --- |
| Data | Type | Description |
| **1** | *Documents* |  |
| **2** | *Payment transactions* |  |

| Participants and their roles (as-is) | | |
| --- | --- | --- |
| Actor | Type/Role | Description |
| **1** | *Lawyers* |  |
| **2** | *Bank* |  |

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| Other Notes |
| *Any assumptions, issues* |

**Section 3: Expected process**

| Expected Flow (to-be) | | |
| --- | --- | --- |
| Step | User Actions | System Actions |
| 1. |  |  |
| 2. |  |  |

| Process scheme (to-be) |
| --- |
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| Participants and their roles | | |
| --- | --- | --- |
| Actor | Type/Role | Description |
| **1** | *Lawyers* |  |
| **2** | *Bank* |  |

| Data and information | | |
| --- | --- | --- |
| Data | Type | Description |
| **1** | *Documents* |  |
| **2** | *Payment transactions* |  |

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| Security and privacy |
| *1.* |

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| Main Success Scenario + expected time line |
| *Description of DLT-based solution, which potentially will be created* |

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| Conditions (pre- or post-) |
| *1.* |

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| Performance needs |
| *What potential performance specs (frequency of use, transactions per second, confirmation time, sync time, etc.) are expected. What scalability, interoperability, reliability, accessibility needs exist.* |

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| Legal considerations |
| *For each issue, please describe the name of the legal act containing the identified barrier, what is the negative impact and a proposal to overcome this negative impact.*  *1.* |

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| Risks |
| *Legal, business and technical risks related to use case* |

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| Special Requirements |
| *Business and technical requirements of use case* |

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| External References and Miscellaneous |
| *List of references for standards or well-defined mechanisms if any of requirements calls for the implementation of a standard or protocol or other well-defined mechanism. If the use case needs non-standard consensus mechanisms or cryptographic tools, such information should be included here. Also such section may be used to provide more information regarding the use case including links to any kind of related materials, terms and descriptions or any other related information.* |

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| Other Notes |
| *Any assumptions, issues* |

**Appendix 1:   
Domains and subdomains for use cases categorization**

**Vertical**:

1. Finance
   1. Financial management & accounting
   2. International & interbank payments
   3. Clearing and settlement
   4. Reduction of Fraud
   5. Financial messaging
   6. Asset lifecycles and history
   7. Trade finance
   8. Regulatory compliance & audit
   9. AML/KYC
   10. Insurance
   11. Peer-to-peer transactions
2. Healthcare
   1. Pharma
   2. Biotechnology
   3. Medicine
3. Industries
   1. Manufacturing
   2. Energy
   3. Chemical
   4. Retail
   5. Real estate
   6. IT and telco
   7. Supply chain management
   8. Transportation
   9. Agriculture
4. Government and public sector
   1. Taxes
   2. Government and non-profit transparency
   3. Legislation, compliance & regulatory oversight
   4. Voting
   5. Taxation and customs
   6. Intellectual property management
   7. Land Registries

**Horizontal**:

1. Identity management
2. Security management
   1. Public Key Infrastructure
3. Internet of Things
4. Data processing, storage and management
   1. Data Validation (includes provenance)

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