



# Use Case Technical Report and new Insights

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Associate Rapporteur of the group*

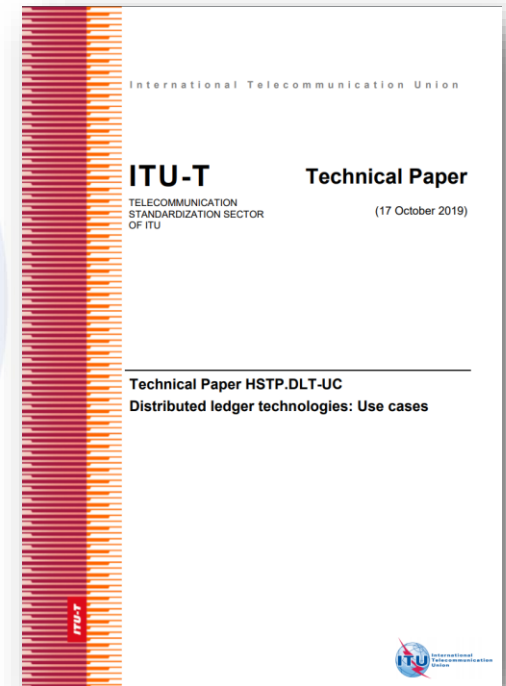
*“Distributed ledger technologies and e-services”*

# Why a Use Case Technical Report?

- Collect and document information on current initiatives in applications and services based on DLT.
- Produce standards and other publication based on real projects
- 50 use cases



- Standard Makers
- Policy Makers
- Industry
- Implementers



## Section 1 Summary

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 <a href="https://www.un.org/sustainabledevelopment/sustainable-development-goals/">https://www.un.org/sustainabledevelopment/sustainable-development-goals/</a>		
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:			

## Overview of the Business Problem or Opportunity

Explanation of the business problem or opportunity.

Why Distributed Ledger Technology?

5. Competitive Advantage of DLT

6. Vertical Domains

7. Horizontal Domains

8. Barriers to DLT Adoption

9. Significance of DLT in the attainment of SDGs

10. Standardization Efforts

11. Key Findings and Recommendations

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<b>Section 2 Current process</b>			
Use Case Status	<b>Current Solutions</b>		
	If there are existing systems which automate the above business problem/opportunity.		
Contact of person submitting management case	<b>Existing Flow (as-is)</b>		
	Step	User Actions	System Actions
	1.		
Proposed Organization	<b>Process scheme (as-is)</b>		
Short description Long description SDG in application	<b>Data and information (as-is)</b>		
	Data	Type	Description
	1	Documents	
Value	<b>Participants and their roles (as-is)</b>		
	Actor	Type/Role	Description
	1	Lawyers	
Types of Stakeholders	<b>Section 3 Expected process</b>		
	<b>Expected Flow (to-be)</b>		
Identified	Step	User Actions	System Actions
	1.		
Predicted Outcome	<b>Process scheme (to-be)</b>		
Overview Explanation Why D	<b>Participants and their roles</b>		
	Actor	Type/Role	Description
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	<b>Data and information</b>		
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Process scheme (as-is)									
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1.	<b>Security and privacy</b> <i>1.</i>								
Long description of the use case in relation to the applicable SDG	<b>Main Success Scenario + expected time line</b> <i>Description of DLT-based solution, which potentially will be created</i>								
Value to be added	<table border="1"> <thead> <tr> <th colspan="2">Data and information (as-is)</th> </tr> <tr> <th>Data</th> <th>Type</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Documents</td> </tr> </tbody> </table>			Data and information (as-is)		Data	Type	1	Documents
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Data	Type								
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Types of stakeholders	<table border="1"> <thead> <tr> <th colspan="2">Participants and their roles</th> </tr> <tr> <th>Actor</th> <th>Type/Role</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Lawyers</td> </tr> </tbody> </table>			Participants and their roles		Actor	Type/Role	1	Lawyers
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1	Lawyers								
Data to be collected	<b>Performance needs</b> <i>What potential performance specs (frequency of use, transactions per second, confirmation time, sync time, etc.) are expected. What scalability, interoperability, reliability, accessibility needs exist.</i>								
	<b>Legal considerations</b> <i>1.</i>								
Identify the expected flow (to-be)	<table border="1"> <thead> <tr> <th colspan="2">Expected Flow (to-be)</th> </tr> <tr> <th>Step</th> <th>User</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td></td> </tr> </tbody> </table>			Expected Flow (to-be)		Step	User	1.	
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Predict the outcomes	<b>Risks</b> <i>Legal, business and technical risks related to use case</i>								
	<b>Special Requirements</b> <i>Business and technical requirements of use case</i>								
Overview of the explanation of why DLT is needed	<table border="1"> <thead> <tr> <th colspan="2">Participants and their roles</th> </tr> <tr> <th>Actor</th> <th>Type/Role</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Lawyers</td> </tr> </tbody> </table>			Participants and their roles		Actor	Type/Role	1	Lawyers
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<b>External References and Miscellaneous</b> <i>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.</i>									
<b>Other Notes</b> <i>Any assumptions, issues</i>									

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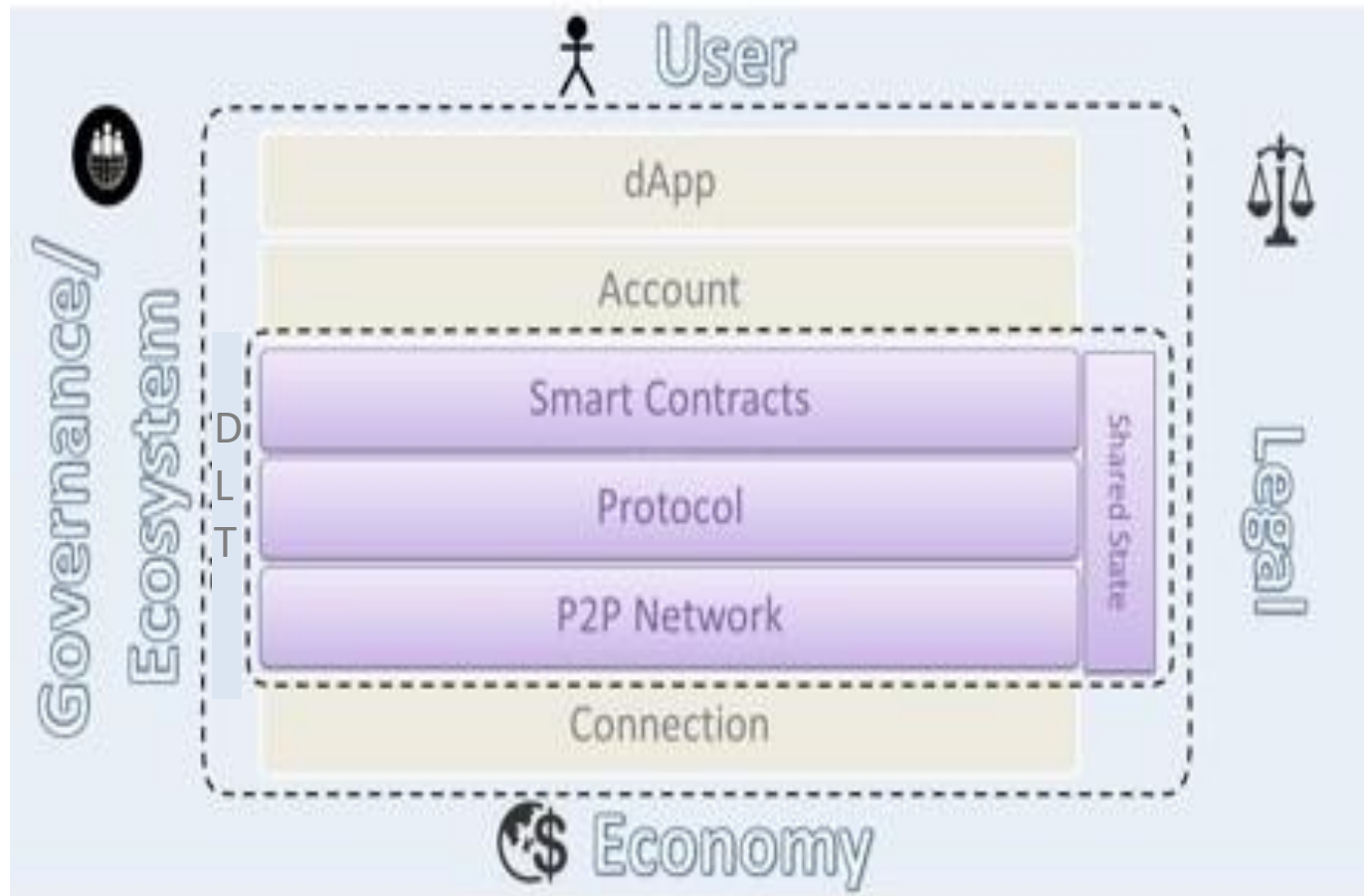
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# (Work-in-progress) DLT-based Application Development Risks and their Mitigations







- FG DLT (with use cases): <https://www.itu.int/en/ITU-T/focusgroups/dlt/Pages/default.aspx>
- Final technical report: [https://www.itu.int/dms\\_pub/itu-t/opb/tut/T-TUT-DLT-2019-UC-PDF-E.pdf](https://www.itu.int/dms_pub/itu-t/opb/tut/T-TUT-DLT-2019-UC-PDF-E.pdf)

