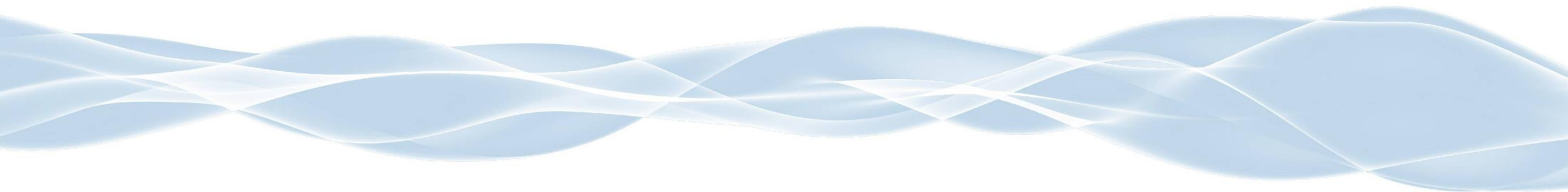


Self-Sovereign Identity (SSI) Workshop organized by ETIS and TNO



18 January 2019



Identity-Data Processing based on paper forms is Costly and Time-Consuming



Application
Permit Parking

Applicant Information		
First Name	Last Name	Plate Number
Street Number	Street Name	Subst./Lot Number
City/Town	Province	Postal Code
Toronto	Ontario	
Home Telephone Number	Business Telephone Number	Mobile Telephone Number
Permit Term Options: <input type="checkbox"/> Dec 1 - May 31 <input type="checkbox"/> Jun 1 - Nov 30	Are you a previous permit holder?	
If applying by mail, contact the Permit Parking office at 416-392-7873 to confirm. The cheque is made payable to: "Treasurer, City of Toronto"		
Priority Information		
<input type="checkbox"/> Yes <input type="checkbox"/> No	Is there parking on the property?	
<input type="checkbox"/> Yes <input type="checkbox"/> No	If Yes, do you have access to that parking?	
<input type="checkbox"/> Yes <input type="checkbox"/> No	Is this the first vehicle for which you have obtained a permit?	
Additional Information that may affect your permit priority:		
Applicant Signature	Date (yyyy-mm-dd)	

This application must be accompanied by your payment and the appropriate documentation as outlined on our website at www.toronto.ca/transportation. Visit in-person or mail application, copies of documentation and cheque to: Permit Parking, City Hall, Main Floor, West Tower, 100 Queen Street West, Toronto, Ontario M5H 2N2.



› Users may:

- › Not understand what is asked
- › Not know where to get the requested data
- › Not know what answers are acceptable

› Users may experience that:

- › It takes a lot to fill in these (bureaucratic) forms
 - › It takes a long time for the provider to decide
 - › Anger, agony, no trust in provider (business)
- They may give up to enter in the transaction

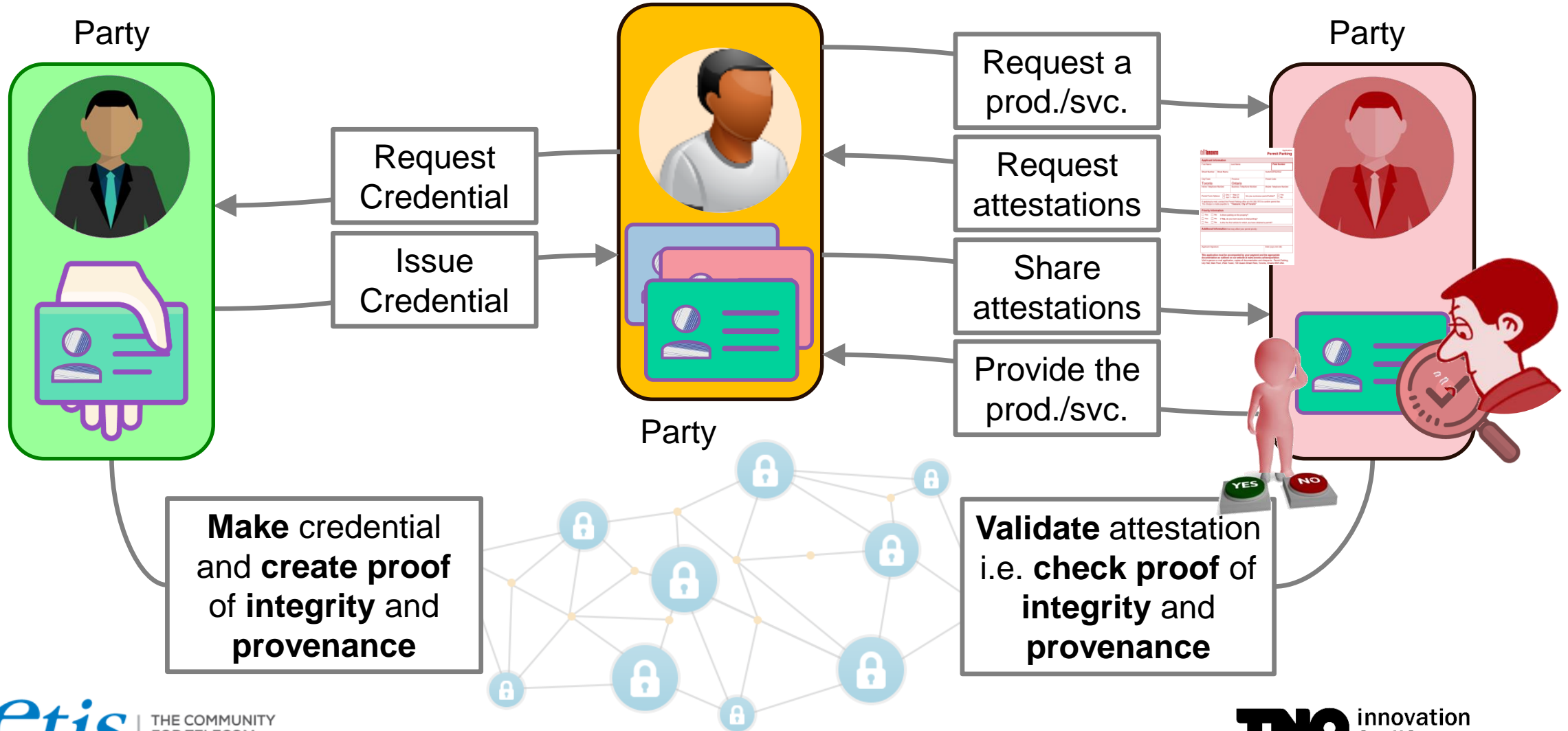
› How does a business decide

- › that the data is correct/acceptable
- › with a sufficiently high degree of certainty

› Providers may experience

- › High cost and long processing times
- › The dilemma: Pay the Price or Run the Risk
- › User dissatisfaction – reduced conversion rates

“Self Sovereign Identities” is key enabler for Digital Identity Data processing (from paper to Digital)



SSI User Benefits:

- › **No need to understand everything** that the form requires to fill in;
- › **Collecting data is much easier (and faster)**
 - › Obtain data electronically → fast
 - › No need to (physically) go places
- › **Filling in the form is done automatically**
 - › No typing
 - › No uploading
 - › No agony



SSI Business Benefits:

- › **They get quality Identity data, i.e.**
 - › meaning exactly what they intend;
 - › attested to by a party they trust;
- › **Easy validation of Identity data:**
 - › Check proof of integrity, provenance
 - › Check validity (expiration/revocation)
- › **Higher customer satisfaction (citizen trust) and**
- › **Higher conversion rates**
because users do not give up filling in forms, and it's faster
- › **Reduction of IT-links between business systems**
because information can be provided by users (attestations)
- › **GDPR compliance contributions**
e.g. if form meta-data specifies the purpose(s) for which the data is being used.
- › **New Business opportunities**
fuelled by the possibility to issue attestations

› For Telco's SSI Can deliver various opportunities

Telco as verifier:

- Telco needs to check creditworthiness and other identity information of new subscribers, but also for their employees
- Cost and time for obtaining and verifying this privacy-sensitive information
- SSI enables subscribers and employees to provide attestations (verified credentials) in a user-friendly and GDPR friendly way, with implicit or explicit insurance from issuers
- Cost reduction and process improving by digitizing paper processes

Telco as issuer:

- Telco has long-term relationship with customers, both individuals and organisations,
- Has valuable information as phone numbers, IMSI, payment history,
- Higher certainty of identity of the other side with incoming/outgoing communications
- Issuer as additional telco business
- Holders and Verifiers are willing to pay for verified credentials

Storage on SIM:

- SSI transactions involve sensitive information like Private keys, Identity information
- Telco's SIM can provide secure storage and access to such sensitive information
- Telco's can provide trusted wallets, i.e. encrypted stores that individuals can use to store attestations), and associated apps for customers and employees to use.

› ETIS together with TNO will organize a one day ideation SSI workshop on 6. March 2019 in The Netherlands

Goal workshop: to identify and elaborate first SSI ideas which can be further elaborated in next stages

Outline workshop:

- Introduction SSI
- Business value for Telco's: Attribute provider, Relying party and/or Platform provider (e.g. wallets, webserver API's etc)
- State of the art SSI (like Players, Use Cases, Status of Technology, Role of Blockchain, alternatives?, ...)
- SSI Ideation session
- TNO can showcase demo's of working SSI implementations in various domains
- Vision on the future of SSI
- Wrap up and actions

Preparatory phonecall on 8. February 2019: 10.00-11.00 CET to align expectations for this workshop

› Interested in workshop, please contact

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