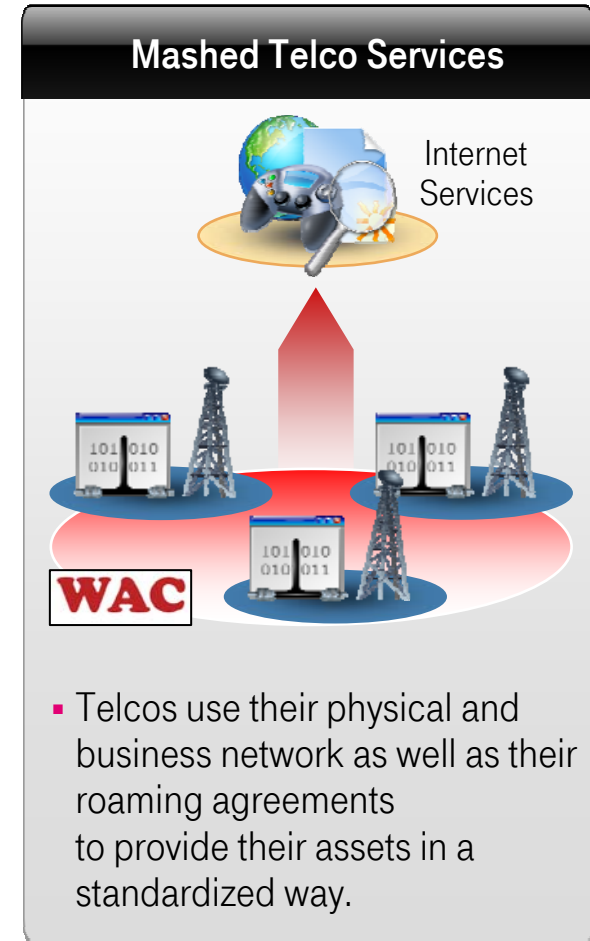
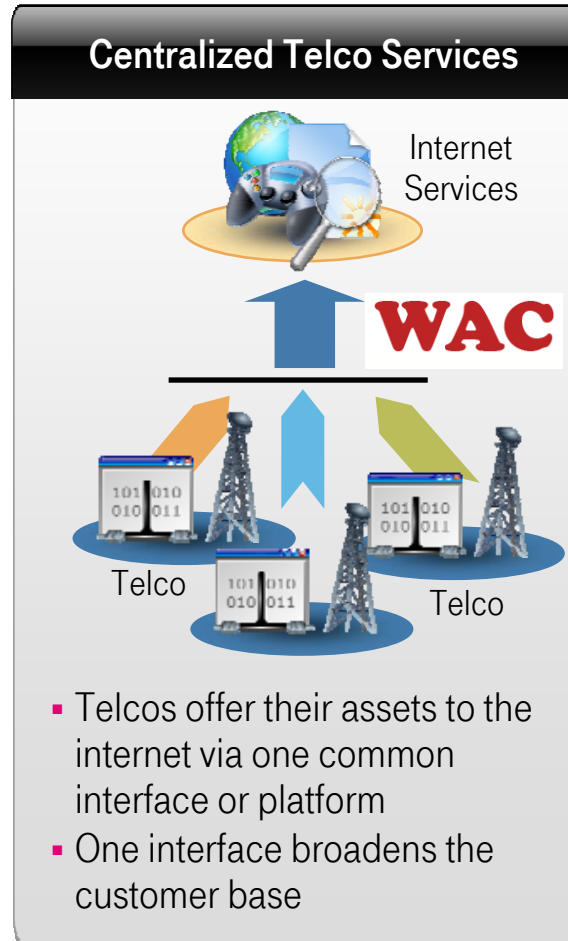
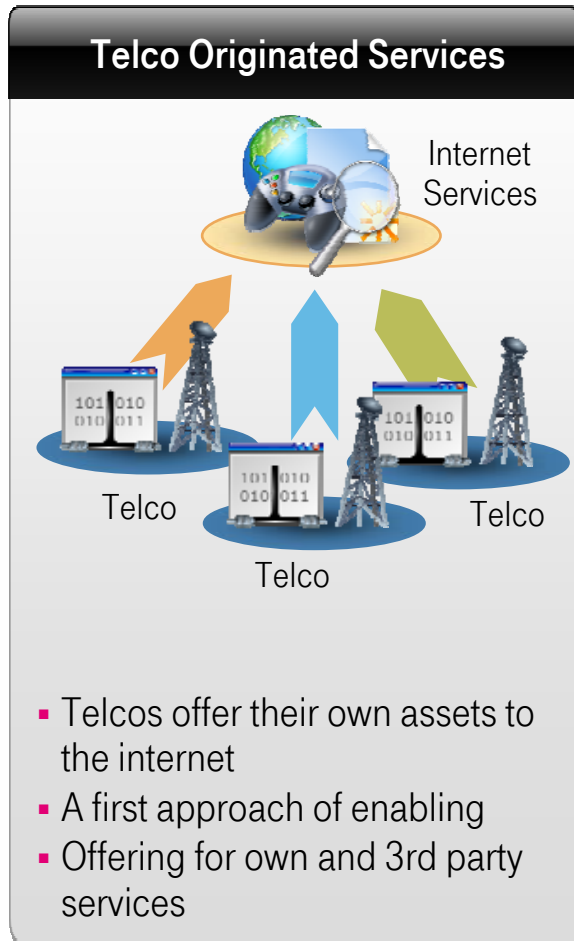


Cross operator (WAC) R&D project proposal.

Cross operator scenarios. 3 ways of global exposure of Telco-Assets.



Mashed Telco Services. Project objectives.



Telco Authentication

- “Zero login” Authentication for Web-Services of different carriers using SIM card over different access technologies
- Strong / 2 factor authentication (e.g. SIM + password) as a trust anchor for lost passwords etc.
- Mobile phone as a universal authentication tool (e.g for banking, IPTV etc)

Telco Attributes

- Trusted Telco user attributes for Web-Services in a standardized way and an harmonized semantic

Trust Frameworks

- Defining common criteria for classifying a service provider/identity provider as a trustful 3rd party
- Defining / Developing an architecture to onboard 3rd party service automatically (hundreds and thousands of services)

Pre-Provisioning

- Developing mobile operator techniques to provide a “0-click” setup experience for android phones



Mashed Telco Services. Telco authentication.



- **Using SIM card not only for mobile network authentication today**
- Promote, foster and develop “Zero login” seamless authentication for web services for different carriers using SIM Card over different access technologies.
(e.g. cross-operator GBA)
- **SIM-based authentication could be used as an additional factor for strong authentication**
- Definition of Authentication as a cross-operator Service (Business models / with WAC)
- Definition and demo of dedicated service for password reset based on phone-number / SIM that is applicable for different Telcos
- **Mobile phone could be used as a universal authentication tool**
- Mobile phone could be used to authenticate in split device scenarios (e.g. mobile phone and set top box) for value added services and different device classes in a cross operator context



Mashed Telco Services. Trust attributes.



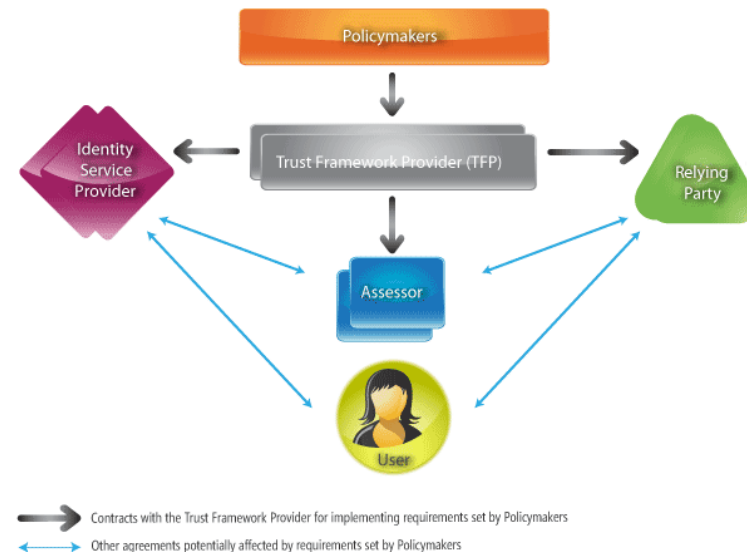
- **Telcos could offer trusted user attributes to the web in a standardized way and a harmonized semantic**
- Develop a common cross operator set of user attributes
- Provide different (also lightweight) levels of “age verification”
- Provide further user attributes for validation “call is originated in city xyz”



Mashed Telco Services. Trust frameworks.



- **Defining common criteria for classifying a service provider/identity provider as a trustful 3rd party**
- How to establish a trust relationship between Telcos and service provider?
- Checking/adapting existing trust frameworks from Kantara Initiative and Open Identity Exchange for cross operator use
- Defining common criteria and missing parts
- Defining / Developing an architecture to onboard 3rd party service automatically (hundreds and thousands of services)”



Source: OIX at <http://openididentityexchange.org/what-is-a-trust-framework>



Mashed Telco Services. Pre provisioning / Synchronization / Device Lifecycle.



- **Support user and service provider in setting up / synchronize / change his Mobile without loosing his identity in his regarded features and services**
- It is very complex task for the user to save and restore Identities used in OS and Apps on a mobile phone
- This makes it difficult for the user to configure a new telephone and might be a burden for buying a new phone

