

## About ETSI

INS is part of *ETSI* – one of the world's leading standards development organizations for Information and Communication Technologies (ICT). Founded initially to serve European needs, *ETSI* has grown rapidly to become highly-respected as a producer of technical standards for worldwide use.

*ETSI* membership is composed of manufacturers and network operators – all the “big names” and many smaller companies too – plus national administrations, ministries, regulators, universities, research groups, consultancies and user organizations. A powerful and dynamic mix of skills, resources and ambitions, all working together to bring the very best ICT solutions to the global marketplace. Geographically, our membership of over 700 companies and organizations is drawn from more than 60 countries on 5 continents.

*ETSI* is independent of all other organizations and structures, a key feature for ensuring neutrality and trustworthiness. That brings benefits not only in the acceptance of our standards and other publications, but also in our growing range of ancillary services, such as interoperability testing. And because standardization inevitably draws upon the bright ideas of our members, we have an Intellectual Property Rights (IPR) policy in place that has become the model for many other organizations.

*ETSI's* standardization activities are open to all interested companies and organizations. Your company can be part of this dynamic organization. For more information about how *you* can be involved, please visit

<http://www.etsi.org/membership>

and <http://www.etsi.org/isg>

For details about ETSI's current INS activities, please visit

<http://portal.etsi.org/ins>

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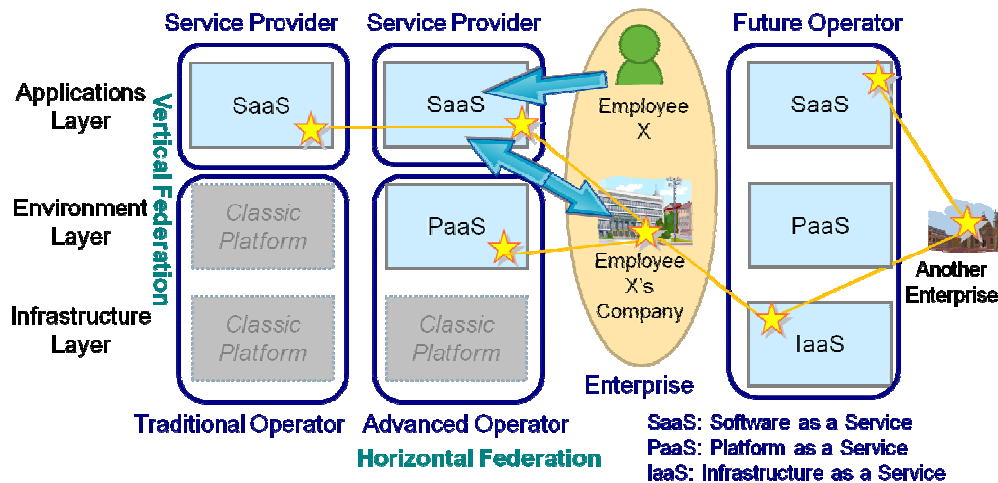
## Identity and access management for Networks & Services



## Identity and Access Management for Networks and Services

This Industry Specification Group (ISG) takes Identity and Access Management beyond the current prime focus on the web and application domains and some limited NGN (Next Generation Network) areas, to focus on networks and services in the future digital space. A major goal is to enable new service and business approaches to drive economy in Europe and beyond by applying advanced IdM standards to the Future Internet and the Internet of Things. The ISG supports convergence between networks, services and applications, emphasizing the need for user-centrism.

A major concern is to support interoperability as well as federation at all levels including networks, such as between operators, enterprise and home.



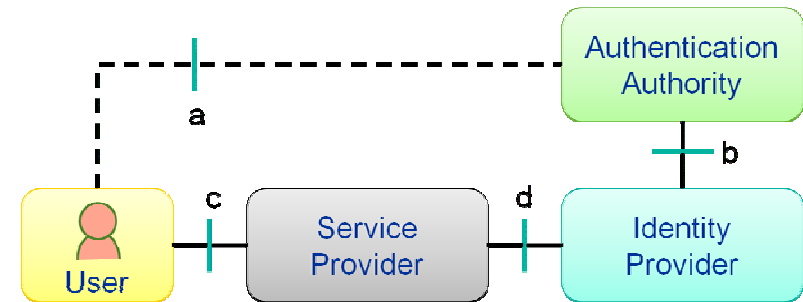
## Scope

The ISG provides group specifications for which four key work items have been defined to address questions such as:

- How can identity management solutions in the domains of operators or ISPs interoperate with the enterprise and home domains?
- How can distributed access control mechanisms be handled and thereby deal sufficiently with the privacy of data, as well as with strict service, user and legal policies?
- How can user profiles be managed in a distributed fashion, and in particular how can operators act as identity brokers in such an environment?
- How can trust be negotiated and managed between federated identity management systems?

Scenarios and use cases are being identified to lead to requirements and finally to group specifications. These will link silos of existing identity management systems and provide mechanisms to integrate these within existing telecommunications infrastructures. Both the specifications of protocols and Application Programming Interfaces (APIs), as well as the development of profiles of existing standards, are in the scope of the ISG.

## Example: Separation of the authentication and identity provision roles



For flexibility in applying identity management, an example of the approach followed is to separate the roles of authentication and identity provisioning. These may or may not be provided by the same organization depending on privacy, trust and commercial considerations.

## ETSI's INS Industry Specification Group

Members of the ISG are from operators, industry and research, thus underlying the needs of both extracting commercial value from identity and access management for the telecommunications domain as well as bringing research quickly into specifications that can be used by industry. A working relationship has been established with ETSI's TISPAN WG7 to ensure the alignment of work and results.

Bringing research results from ongoing collaborative projects into standardization is a major focus of the ISG. Already, results from the European Union FP7 projects *SWIFT* and *iNEM4U* and, from the European Celtic project *Servery* as well as from the German collaborative research project *PremiumServices* have been utilized in current drafts of four group specifications.

ISGs supplement ETSI's conventional standards development process and provide a mechanism for the speedy preparation of technical requirements or specifications for well-defined, specific issues, typically in response to a need expressed by a subset of the ETSI membership.

Membership of the ISG is open to ETSI members, other companies and research organizations who agree to sign the relevant ISG Agreement.