

Identity and Access Management for Networks and Services Distributed Access Control for Telecommunications Use Cases and Requirements

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Foreword

This Group Specification (GS) has been produced by ETSI Industry Specification (ISG) Identity and access management for Networks and Services (INS).

Introduction

Service and network providers need to restrict access to their functions in order to efficiently charge, protect critical systems and offer personalization. While historically this has been the case for many years, a new type of access control surrounding the user and its data becomes paramount in this day and age. Users are targeted by many different services, not all of them friendly, and require mechanisms to protect their data and information. In addition, the more social services are available, the more information about them is available and the harder it is to ensure that users' sensitive data would not be easily subject to theft and misuse.

In the present document we analyse not only the requirements for access control related to identity management but also bring this question one step further in considering that providers need to cooperate in order to enforce all the policies related to that user's data. This cooperation can be achieved either by exchanging data about the user or the context of the request, sharing policies or, in the case we will evaluate in this document, sharing the decision.

In the first part of the present document a summary of some of the activities around access control languages and mechanisms can be found. The second part of the document presents those use cases which we consider present new questions which are not yet addressed by other standardization activities. Finally, the third part of the document introduces a set of requirements extracted from the use cases.