

# INTEROPERABILITY MIDDLEWARE INFRASTRUCTURE TO SUPPORT COLLABORATIVE CREATION AND MANAGEMENT OF OFFICIAL DOCUMENTS IN E-GOVERNMENT PROCESSES

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**Abstract** – At present e-Government procedures for creation and management of official documents pose specific constraints, such as workflow and versioning management, use of a unique name for resource addressing and attribution of one or more entities subjects responsible for the document or for its parts. Heterogeneity and distribution of information sources and entities involved in documents creation and management, bring further requirements related to collaborative information management, data distribution and associated workflow processes. We present a structured Information Model of administrative acts and we highlight how a specific layered Service Architecture - InterDataNet (IDN) middleware - can handle such documents to match requirements for information interoperability and collaboration handling functions in distributed documents authoring. The case study (Italian administrative act) treated in this paper can be useful fore valuating the possibility of application of IDN Information Model and Service Architecture approach in other types of document and process anagement typical of e-Government applications.