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Information security, cybersecurity and privacy protection — User-centric privacy preferences management framework

Sécurité de l'information, cybersécurité et protection de la vie privée — Cadre centré sur l'utilisateur pour le traitement des données à caractère personnel basé sur des préférences relatives au respect de la vie privée



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Co	Contents					
Fore	word		iv			
Intr	oduction	1	v			
1	Scope	Scope				
2 Normative references						
3	s and definitions					
4	Symbols and abbreviated terms					
_	•					
5	5.1 5.2 5.3 5.4	General Actors Roles of actors in user-centric PII handling frameworks 5.3.1 Roles of PII principals 5.3.2 Roles of PII controllers 5.3.3 Roles of PII processors 5.3.4 Roles of privacy preference administrators Components in the user-centric PII handling framework 5.4.1 Overview 5.4.2 Data collection 5.4.3 Data transformation(s) 5.4.4 PII transfer control 5.4.5 PII recipient 5.4.6 Privacy preference manager Relationship between actors and components	4 6 6 6 7 7 7 7 7 7 7			
6	Requ 6.1 6.2 6.3 6.4	overview	10 10 10			
7	Furth	er considerations for the PPM in a privacy information management system	11			
Ann	ex A (inf	ormative) Use cases of PII handling based on privacy preferences	13			
Ann	ex B (in servi	formative) Identifying an actor serving as a component for each example	16			
Ann		ormative) Guidance on configuration of privacy preferences management				
	-	ormative) Supporting the design of a privacy preference management				
		V				

Foreword

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This document was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 27, *Information security, cybersecurity and privacy protection*.

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Introduction

This document describes a user-centric framework for handling personally identifiable information (PII), based on privacy preferences and privacy preference administration within information and communication technology (ICT) systems. ICT systems which handle PII implement privacy control mechanisms. To ensure these mechanisms are implemented effectively in ICT systems, PII is controlled using privacy preferences which are set (directly or indirectly) by the relevant PII principal, including consent information. When PII is processed based upon authorities other than consent, ICT systems can, where appropriate, incorporate mechanisms to improve transparency and adjust PII processing in accordance with the preferences of the PII principal. PII principals can make informed use of a system only when they understand the scope of its privacy implications, which is improved when the actionable privacy control options align in an intuitive way with PII processing undertaken in the ICT system.

Mechanisms that incorporate a PII principal's privacy preferences into machine-readable settings for each PII handling system can be useful. Moreover, such collected PII may be shared or transferred among other service providers according to the PII principal's preferences.

The framework is intended to help organizations include user-centric PII handling mechanisms in their systems following privacy-by-design principles and realize PII handling based on privacy preferences of PII principals. The framework includes components designed to manage privacy preference information, and sub-components that are implemented within that component are defined in this document. However, this document does not specify the content and format of privacy preference information.

This document can be used to:

- design and implement ICT systems that handle PII, or transfer PII between organizations;
- develop PII exchange platforms based on privacy preferences;
- provide privacy preference management services.

Information security, cybersecurity and privacy protection — User-centric privacy preferences management framework

1 Scope

This document provides a user-centric framework for handling personally identifiable information (PII), based on privacy preferences.

2 Normative references

There are no normative references in this document.