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Part 4: Complete enrolment procedures

Télécommunications et échange d'information entre systèmes — Architecture récursive inter-réseaux —

Partie 4: Procédures d'enrôlement complet

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives or www.iec.ch/members_experts/refdocs).

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Telecommunications and information exchange between systems — Recursive inter-network architecture —

Part 4: Complete enrolment procedures

1 Scope

This document defines the procedure executed by a Member of a distributed inter-process communication (IPC) facility (DIF) or distributed application facility (DAF) to initialize a New Member as a fully functioning Member. This procedure is used when it is likely the new Member has not previously been a Member of the DIF or DAF in the near past. This document is defined for use with DIFs, but can be used equally well by a DAF that wants to assign synonyms with a scope limited to the DAF.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 4396-1, *Telecommunications and information exchange between systems — Recursive Inter-Network Architecture — Part 1: Reference Model*

ISO 4396-2, *Telecommunications and information exchange between systems — Recursive inter-network architecture — Part 2: Common application connection establishment protocol*

ISO 4396-3, *Telecommunications and information exchange between systems — Recursive Inter-Network Architecture — Part 3: Common Distributed Application Protocol*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 4396-1 and ISO 4396-2 apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

4 Overview of the procedures

Enrolment is the procedure by which an IPC-process joins an existing DIF/DAF. Enrolment occurs after an IPC-process establishes an application connection [using an (N-1)-DIF and the procedures and protocols defined by ISO 4396-2 and ISO 4396-3] with another IPC-process, which is a Member of a DIF/DAF. Once the common distributed application protocol (CDAP) connection is established, this enrolment procedure may proceed.

This procedure is a straightforward Enrolment. It assumes the new Member has had no previous contact with the DAF/DIF and the static and near-static information is transferred to the new Member.

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