

## **Formalizing professional languages**

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### **Abstract:**

Upgrading human activities involve the development of languages and computerization. Thinking and interpersonal communication processes differ from those of automatic processing and human-machine communication and machine-machine. This led to the genesis of different languages. A common language is ideal and here propose a realistic solution. The basic idea is to define a language that satisfies both the requirements of the profession and those of mathematical formalization. The method involves solving systemic analysis of domains / subdomains proposed to identify those whose activities have such features that can meet centele set and define a suitable language, without significant change already used human languages and the generation of specific languages. Such languages are a new class of languages, the professional languages. They differ controlled languages known by authority defines, through specialization and spaceless use. Actual implementation is carried out subdomains procedural law and public administration.

**Keywords:** controlled languages, law, public administration, procedure

**ACM classification:** I.2.4 Knowledge Representation Formalisms and Methods, Representation languages