

The French modelling approach

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Agenda

- Approach presented in June 2008 - SEMIC launch conference
- Progress since June 2008
- Next steps

Introduction

■ Challenges of the administrations

- Improve their relations with the citizens by:
 - providing them with enhanced services
 - facilitating their understanding and their collaboration in various processes linked with the execution of the “regalian” functions of the State
- Control their expenses while increasing their overall performances

■ Objectives

- Transform State for a better public service and a better cost/quality rate
- Help ministries to succeed in the transformation challenge
- Achieve structuring interministerial projects
- Make modernisation concrete

■ One of the leverages

- Information and Communication Technologies, in particular the harmonisation of electronic exchanges of data between information systems

Harmonisation of data exchanges

- **Problem statement**

- In the current process of modernisation of information systems, communicating efficiently implying openness and integration in a globalisation approach is more and more requested

- **Response**

- Facilitation of interoperability of information systems fits more with the today short deadlines

- **Targeted scope: Semantic interoperability**

- Harmonisation of business processes and data exchanges between information systems
- Following a spirit of a voluntary adherence and close collaboration between governments and private business
- Closely related to ebXML standardisation led by UN/CEFACT and addressed through CEN at European level

Objectives

- In order to guarantee:
 - Interoperability of information systems whatever the technical format of data exchanges:
 - Within administration
 - Between administration and companies
 - At national and international level
 - Upgradable, flexible, robust and reusable solutions
 - Limited impact on internal processes
 - Independence towards software suppliers
- Give support to project owners and project managers to:
 - Elaborate with business partners syntax neutral business requirements specification
 - Align the technical solution (XML) on this specification
 - Share, harmonise even standardise these solutions and capitalise them

How ?

Collective effort of standardisation of data exchanges

- **2005 - Involvement in eGovernment groups for standardisation of data exchanges**
 - CEN/ISSS WS EEG13: Production of specifications and solutions
 - UN/CEFACT TBG19: Standardisation of specifications and solutions
- **Since 2006**
 - **Top-Down:** Implementation at national level of UN/CEFACT recommendations
 - **Bottom-Up:** Pool national results with other countries for the following projects:
 - eArchiving
 - Semantic components of eGovernment national exchanges
 - Public procurement
 - Publication of notices

French approach

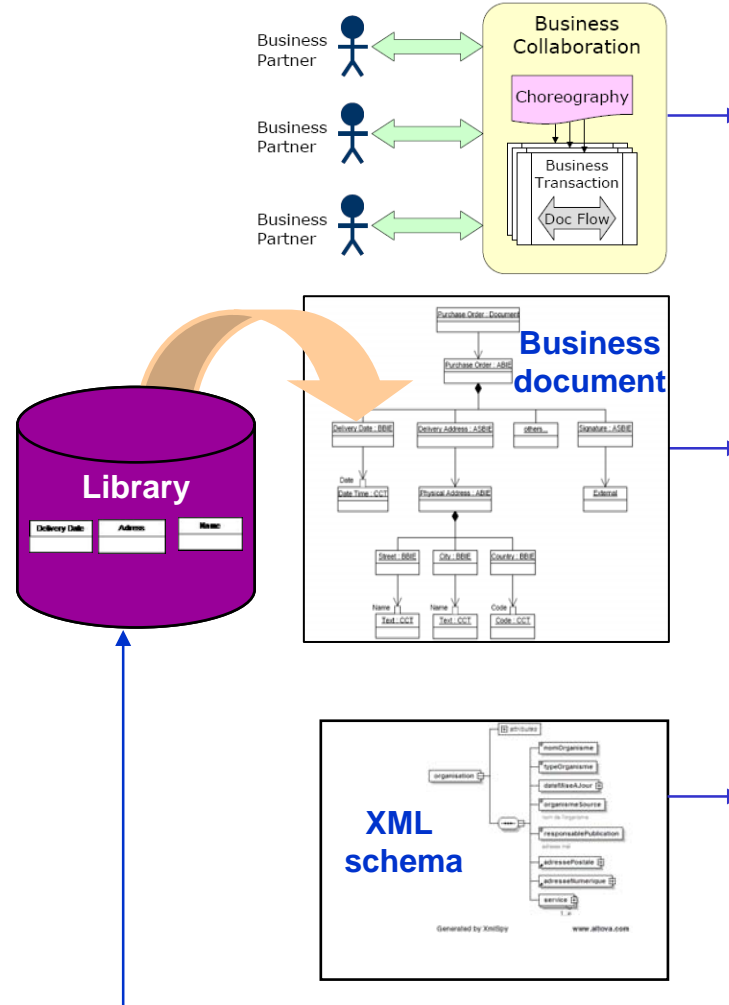


Within a standardised framework based on UN/CEFACT recommendations, make available:

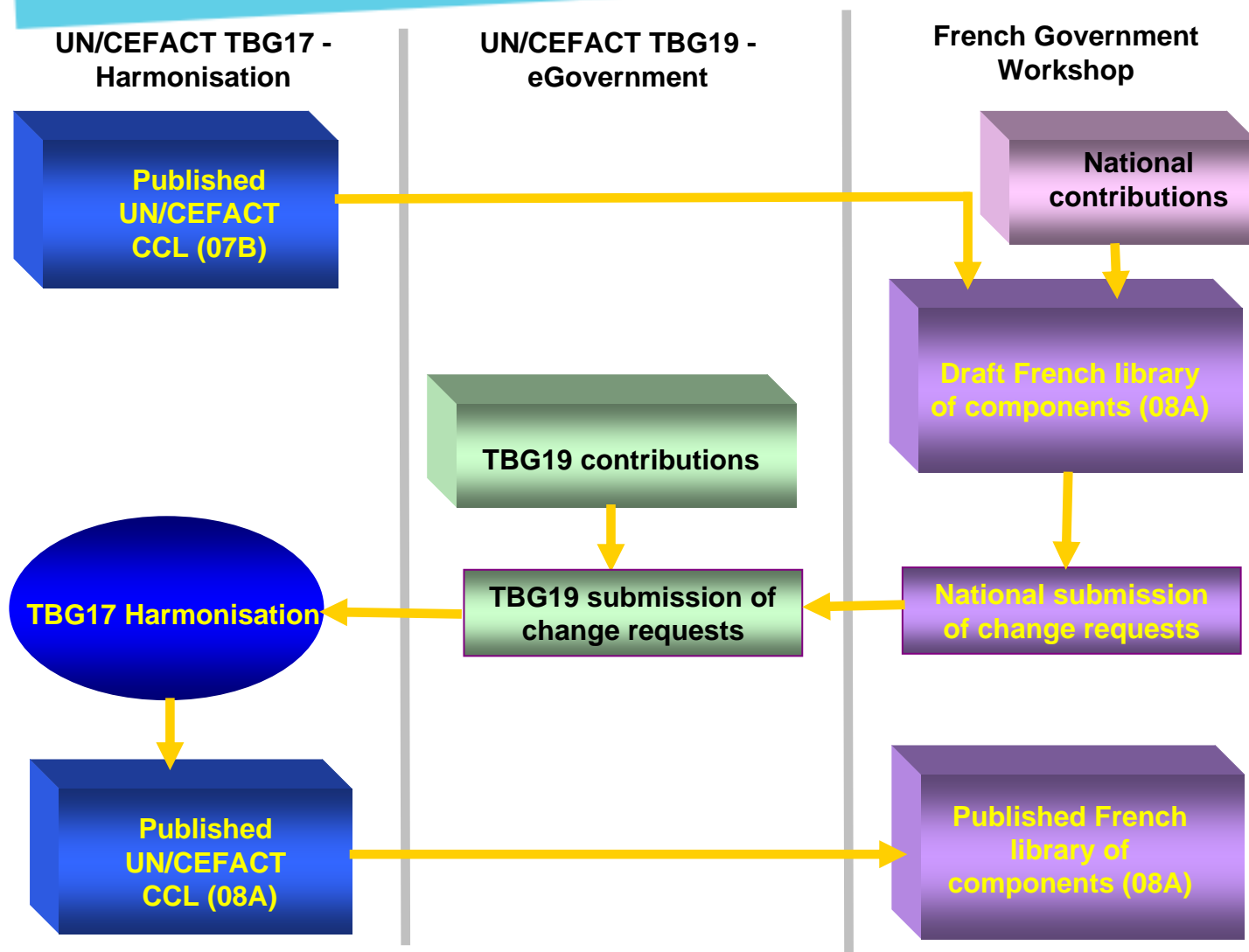
- a method
- a library of semantic components

Method for:

- Analysing business processes
- Defining message by the assembly of semantic components contained in a **central library**
- Generating the syntactical solution (e.g. XML schema)
- Updating the library



The process of building the French library



Confirmation of our June 2008 conclusions

- This experience has proven to be efficient, the UN/CEFACT CCL was updated with our requests
- If such a need is identified, a European collaboration within SEMIC.EU could be established extending the French approach:
 - Identify in common, the differences between the CCL and the national libraries and place the problem encountered as a common issue
 - Improve the compatibility of national libraries with the UN/CEFACT CCL (this remaining the exclusive Member States initiative)
 - Submit, when necessary, European eGovernment change requests to the UN/CEFACT CCL through the TBG19 group
- The experience is transformed into a concrete work for building the library of French components
- Hosting the library in a registry/repository is the next step

Since June 2008

- Integration in the UN/CEFACT CCL08A of the validated French eGovernment change requests
- Continuation of the development of the French Library
- Further collaboration with SEMIC
 - Publication of the French assets on SEMIC (from Dec. 2008)
 - Publication of French assets in English is a drawback to their research for the French partners
 - Good experience confirming the need of hosting our own registry federated with SEMIC
 - Get connected with the SEMIC.EU competence network (User, Project)
 - Give comments on assets and published eGovernment projects
 - Help to improve quality
 - Keep in mind a Pan-European reuse and federation issue

Next steps

- **Carry on the effort of building the library of components**
- **Design a eGovernment platform of integrated services around a registry**
 - hosting the national library of semantic components
 - increasing the reuse of the components for designing eGovernment data exchanges (business data models, documentation, corresponding XML schemas, etc.)
 - federated with SEMIC for easing the pan European collaboration