Information Technology in DG TAXUD :

Taxation systems

Agenda

- Overview
  - Taxation systems
  - Technical architecture
  - Services offered by DG TAXUD and FITS/TC
  - CIRCA ("Communication & Information Resource Centre")
- Taxation systems review
  - Description
  - Project plan
  - Documentation
- Comitology

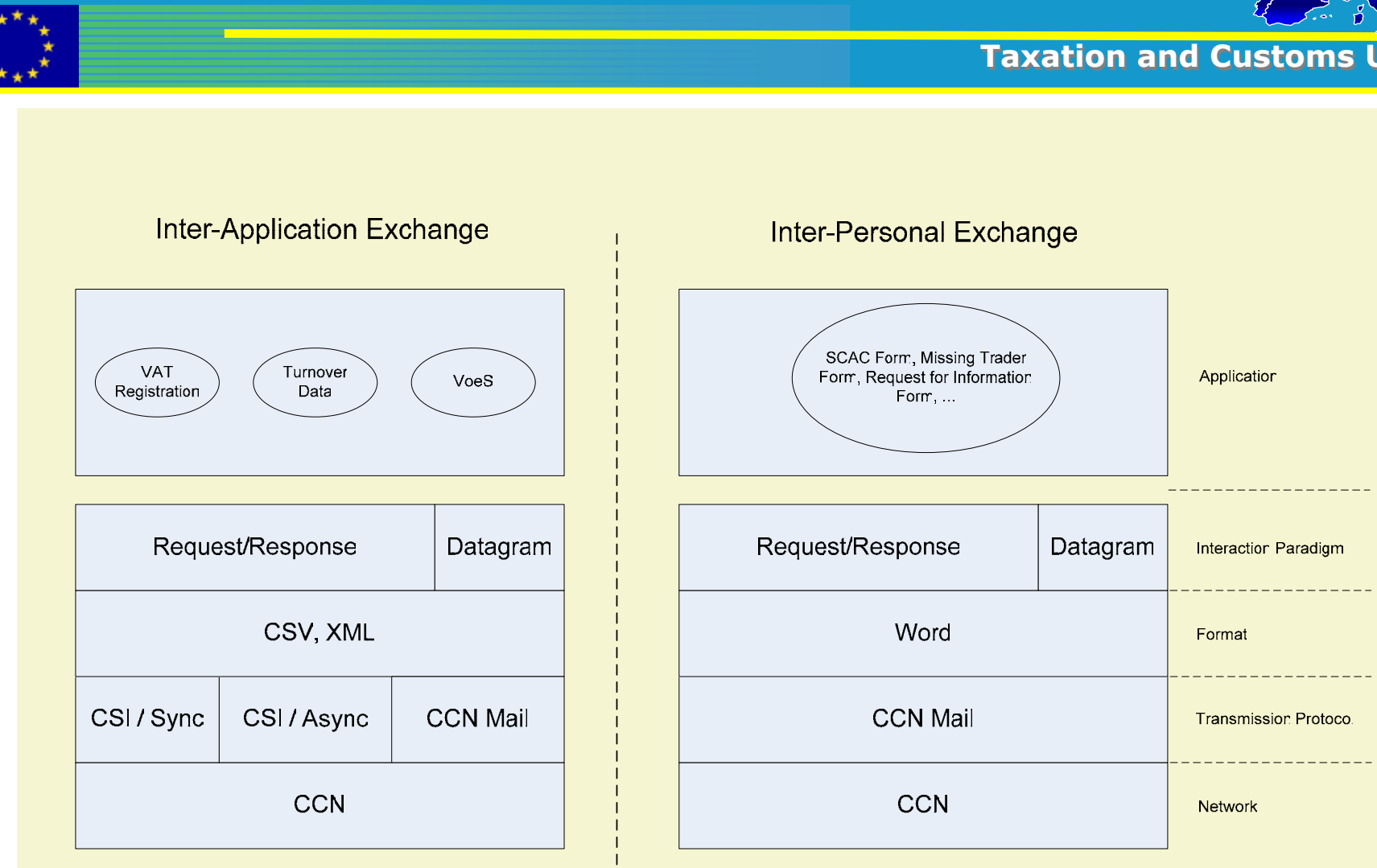
Overview

Taxation systems and supporting environment

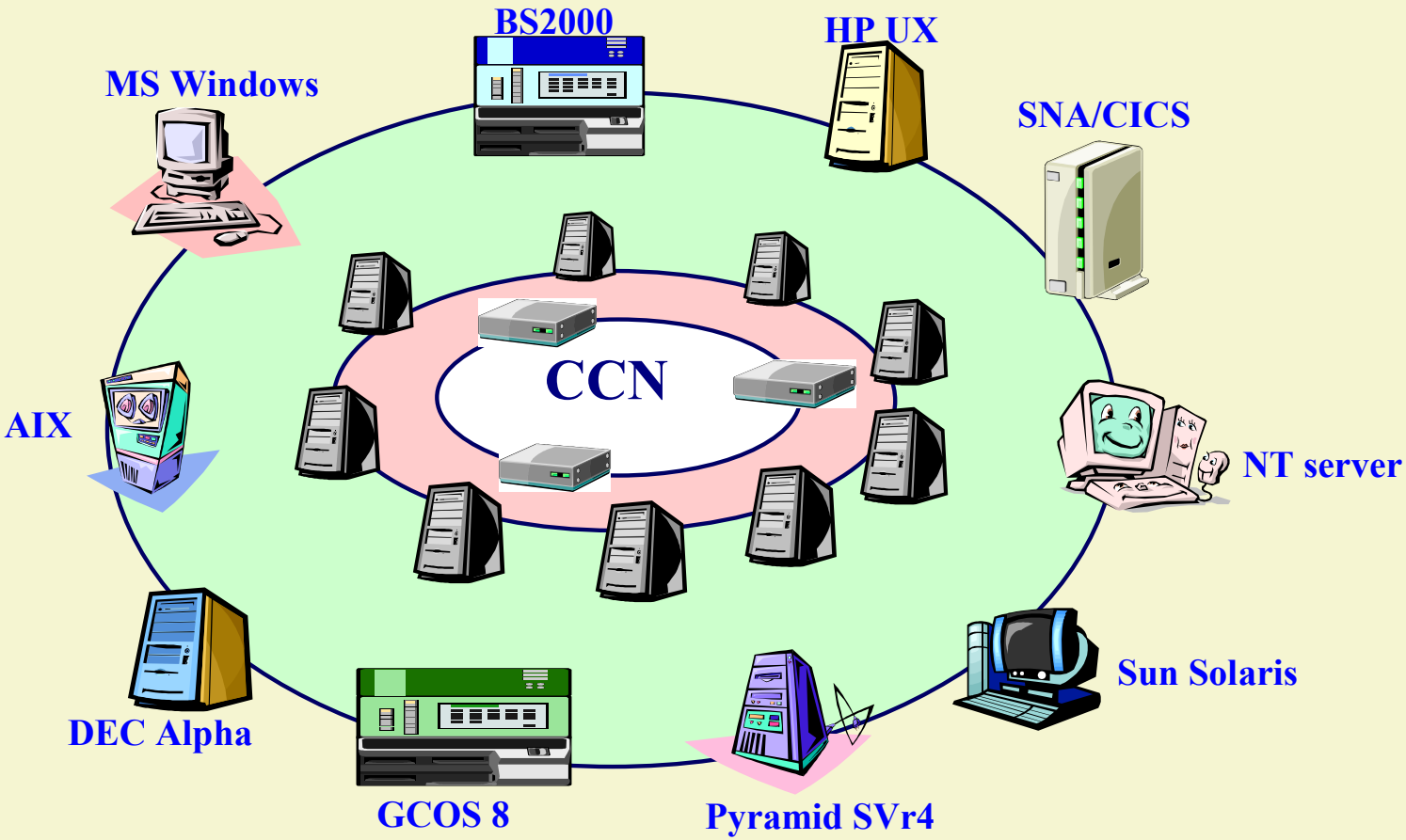
Taxation Systems

- Already running:
  - VIES (VAT Information Exchange System) & VIES-on-the-Web
  - VoeS (VAT on e-Services)
  - Exchange of forms
- To come soon :
  - Tax on savings
- In the future (VIES 2):
  - B2B
  - 1SS (One Stop Shop) & VAT refund
  - New system for Exchange of forms

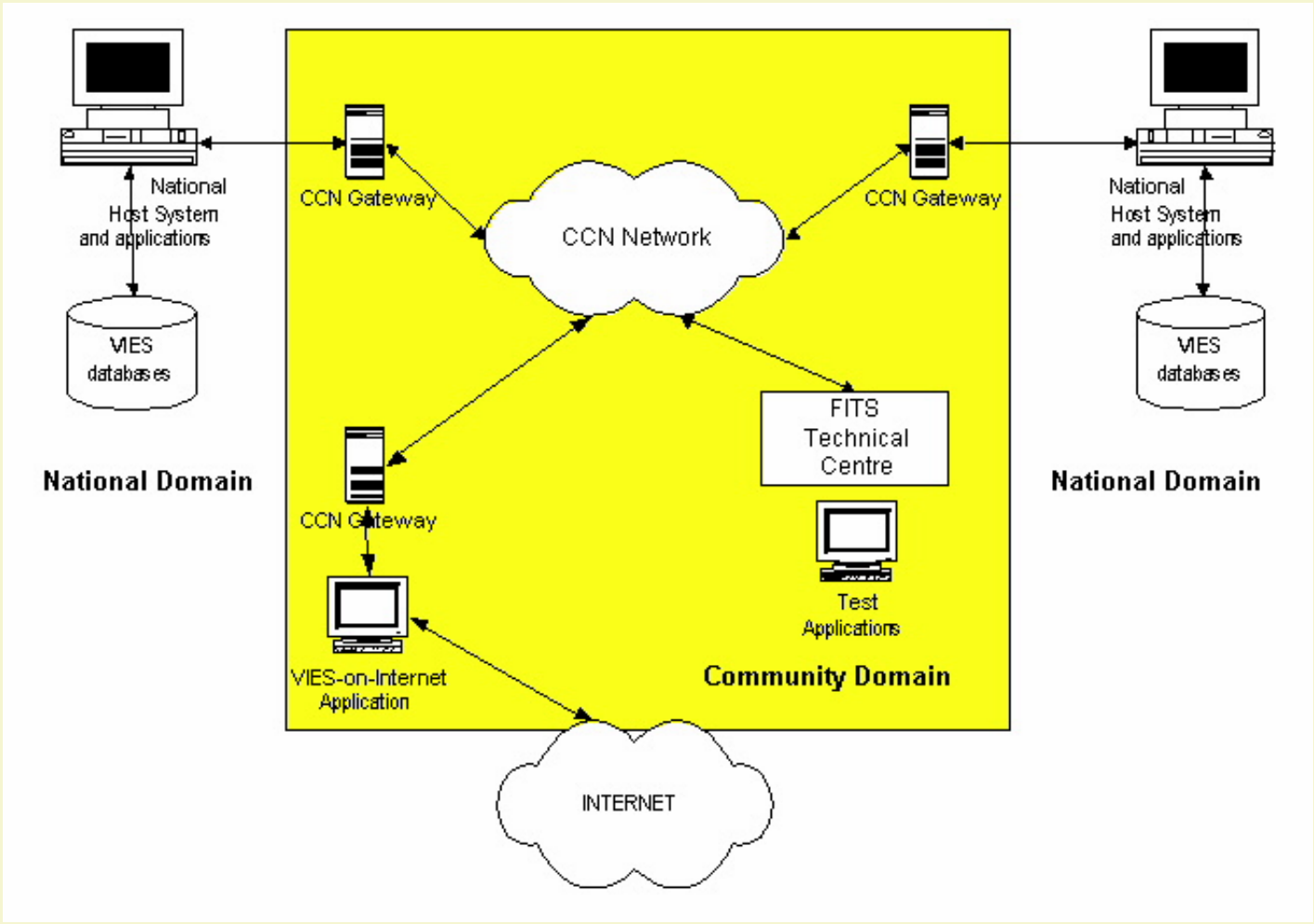
Technical Architecture



CCN/CSI (1)


BS2000
HP UX
MS Windows
SNA/CICS
CCN
AIX
NT server
Sun Solaris
DEC Alpha
GCOS 8
Pyramid SVr4

CCN/CSI (2)


National
Host System
and applications
VIES
databases
National Domain
CCN Gateway
CCN Network
CCN Gateway
CCN Gateway
FITS
Technical
Centre
Test
Applications
VIES-on-Internet
Application
Community Domain
INTERNET
National
Host System
and applications
VIES
databases
National Domain

CCN/CSI (3)

CCN/CSI allow for :

- Synchronous exchanges :
  - Uses: TUXEDO
  - Concerns: VIES Messages
- Asynchronous exchanges :
  - Uses: MQSeries
  - Store-and-Forward protocol
  - Concerns: VIES Messages and Files

CCN Mail2

- Currently, LCMS (local CCN mail system) + webmail interface
  - Current mailboxes:
    - ECOM, VIESCLO, REC*, SERVICE, TAX-FRAUD, AUTOMATIC, SAVINGS-DIR, SEED, EWSE, MVSELO, ELO2ELO
- Future activities:
  - Anti-Virus & Anti-Spam: Q2/2006
  - Central Backup Service: Q2/2006
  - Phase 2 (Integration with national e-mail servers): Q4/2006

- Project management & co-ordination, public procurement
- IT consultancy
- Feasibility study
- Functional & technical systems specification
- IT System design, development and maintenance
- IT system operation and support
- Provides test applications
- Co-ordination with the National Administrations

FITS/TC

- Helpdesk
- Documentation centre
- Tests of applications developed by MS
- Monitoring of applications in production
- Training

CCN/TC

- Helpdesk and support
- Operations of the CCN network including monitoring;
- Corrective ad evolutive maintenance (HW + SW)
- Development and test activities
- Documentation centre
- Training

Documentation

- Entry point: DUG (Documentation User Guide): Catalogue of all available documentation and their field of application.
- URL:
  - http://forum.europa.eu.int/Members/irc/taxud/Home/main?index
  - Candidate Countries have access to the "Technical Assistance" Interest Group
- Organized around Interest groups (IG);
  - eg. Taxation, EMCS,…
- Different services; eg. :
  - Library (downloadable doc.)
  - Directory (contact info.)
  - Newsgroups
- User ID and password obtained :
  - by self-registration
  - from IG Leader

How to register ?

In order to obtain an access to the “Technical assistance" Interest Group, a userid should first be requested from Circa.

The access to Circa (Taxation and Customs Union bottom left of the list) is possible at the following address: http://forum.europa.eu.int

There:

- click on the Taxation and Customs Union DG" button;
- click on "Sign up";
- complete the form (as precisely as possible) and validate.

DG TAXUD will then handle the request issued by the candidate country and provide a password.

VIES

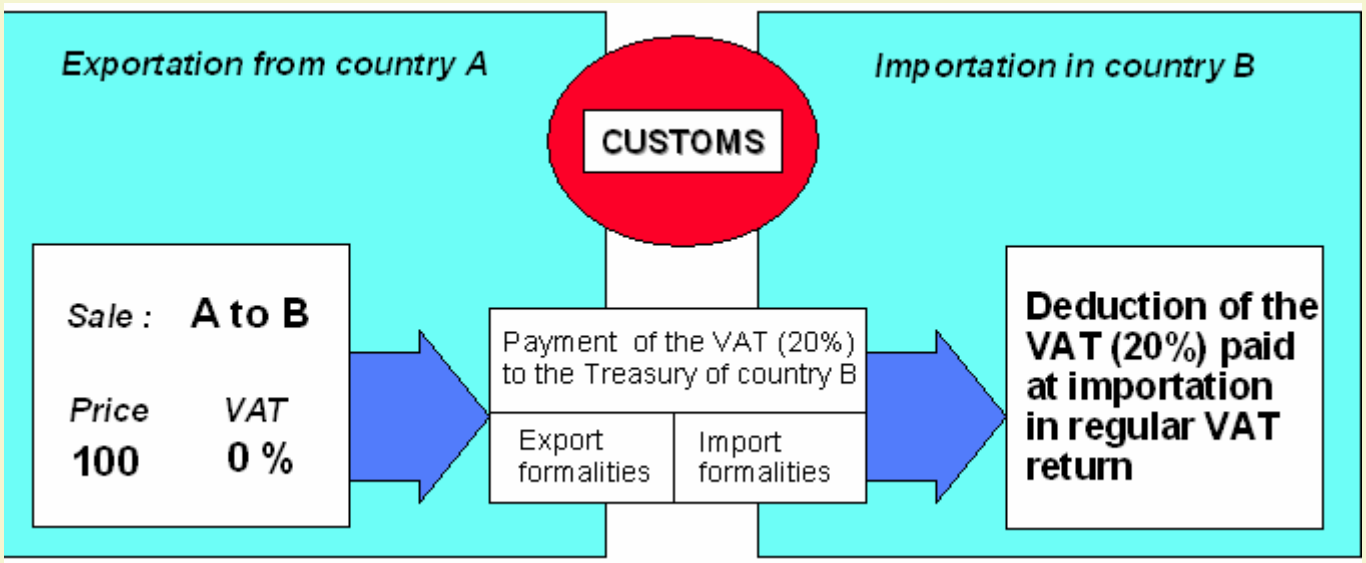
VAT Information Exchange System

VIES

- Objective: exchange of VAT information between tax administrations and/or between administrations and traders
- Legal bases:
  - 6th Directive (77/388/EEC)
  - Council Regulation (EEC) No 1798/2003
- VAT information:
  - Registration data (VAT number, trader's name, address,…)
  - Turnover data (Amount of goods purchased by traders in other MS) :
    - Built from traders' recapitulative statements
- Future activities :
  - Services to be included
  - Quality of Data (eg: 3rd MS requests)

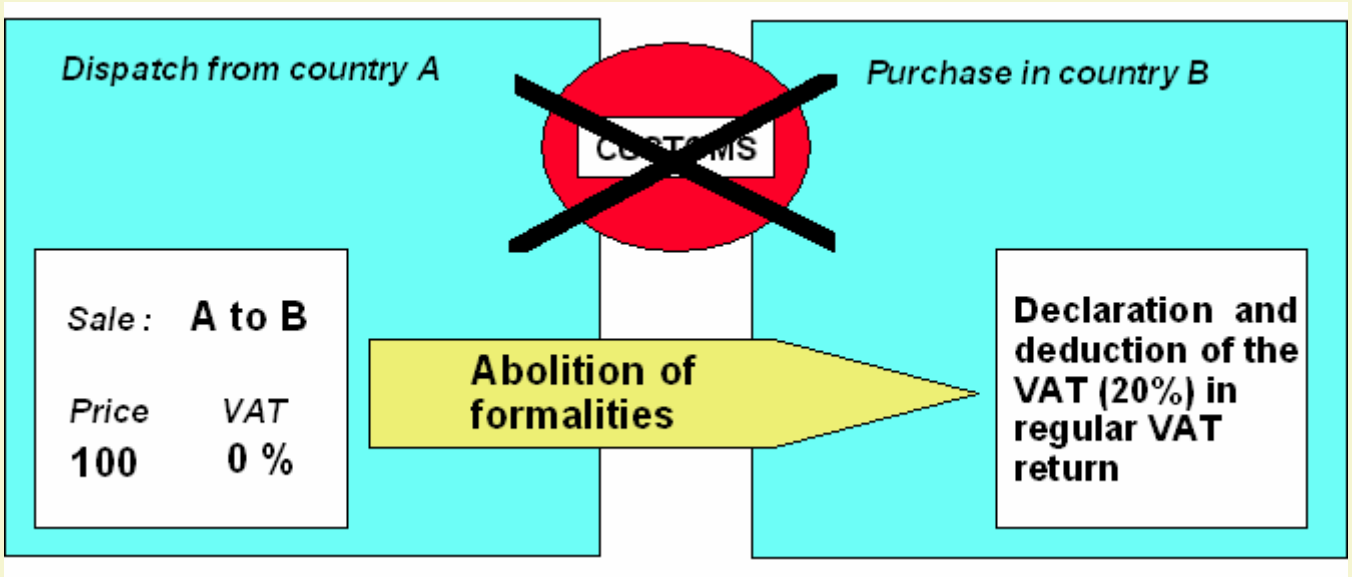
VIES: Background (1)

How the VAT system works before the accession



VIES: Background (2)

After the accession



VIES Applications

- run on different application platforms
- are used interactively or via automated applications
- are interconnected via the CCN (**C**ommon **C**ommunication **N**etwork)
- use a common API : CSI (**C**ommon **S**ystem **I**nterface) to use the CCN

VIES: Project Plan

- **Development**:
  - approx. 600 man*days, taking into account :
    - The interface to the backoffice
    - The integration to the national infrastructure
  - + approx. 40 man*days for JCSI components (only for VIES appl. developed in Java) :
- **Tests**:
  - Local : approx. 300 man*days
  - Remote : approx. 300 man*days
- => **TOTAL** = approx. 1200 man*days
- **Typical duration** of project : 6 months for development + 3 months for local tests + 3 months for remote tests

VIES: Integration Steps (1)

1. VAT algorithms
   - Provide to the Commission the VAT validation routines for VAT numbers
2. Register
   - CIRCA, CCN Web Portal, FITS/TC
3. Download CSI stack and install it
   - Available in C, COBOL and Java and for different target platforms
4. Fill in VIES Phase 5 Application Configuration Form (ACF)
   - ports for applications on the GW
   - queues and services configuration
5. Send the ACF to the FITS/TC
   - Transmitted to CCN/TC for implementation

VIES: Integration Steps (2)

5. Install CSI configuration file on AP
   - Sent by FITS/TC
6. Define CCN Profiles :
   1. Request for CCN Administration Facilities form to create CCN local administrator
   2. Your CCN local administrator creates CCN users and associates CCN profiles to them

VIES: Integration Steps (3)

7. Develop VIES applications
   - A VIES Initial Application is available as an example (developed in C language for Linux)
8. Prepare a test database for local testing
9. Provide FITS/TC with valid and invalid VAT numbers for remote testing.
10. Provide the test data to FITS/TC at the latest with the ACF's
11. Test applications locally
    - A VIES Test Application is available (runs on Linux)
12. Test applications remotely :
    1. with the FITS/TC (mandatory)
    2. with other MS (optional)
13. Move to production

VIES: Documents (1)

- Functional specifications (VIES-FS-030) :
  - Design requirements (exchange protocols and message formats)
  - current version : 1.5
- Programming guide (VIES-PG-030) :
  - guidelines for using CSI when developing VIES applications
  - current version : 1.2
- Acceptance Test Specifications (VIES-ATS-030) :
  - tests to be performed locally and remotely
  - current version : 1.6

VIES: Documents (2)

CCN documents applicable to VIES :

- Downloadable from the CCN Web Portal :
  - http://portal.ccntc.ccncsi.int:8080
- Application Configuration Guide (CCN/CSI-ACG-GEN-01-MARB) :
  - To help MS fill in the ACF
  - Under Download/Documentation/Development
- Software Installation Guide (CCN/CSI-SIG-*) :
  - Procedure to install the CSI stack on the AP
  - Under Download/Software/*

VoeS

VAT on e-Services

VoeS

- Objective: Collect and exchange VAT information about e-Services
  => allow Non-EU traders to register for VAT and manage their VAT returns
- Legal base:
  - 6th VAT Directive and Regulation 1798/2003
- Legislation coverage period to be extended to 31 December 2008

VoeS: Project Plan

Development:

approx. 400 man*days, taking into account :

The user interface for the NETPs

The back office application including

The messaging part (generation of XML files)

Tests:

Local : approx. 100 man*days

Remote : approx. 100 man*days

=> **TOTAL** = approx. 600 man*days

Typical duration of project : 6 months for development + 1.5 month for local tests + 1.5 month for remote tests

VoeS: Documents

- User Requirement Analysis :
  - Business analysis
  - current version : 4.0
- Functional Specifications :
  - current version : 6.1
  - contains examples illustrating e-services principles
- Technical Specifications
  - current version : 5.2
  - contains all the technical aspects

VoeS: Documents

- Acceptance Tests Specifications
  - current version : 3.0
  - Test cases description to ensure compliance with FS and TS
- Operational Procedures and Implementation Plan
  - current version : 4.0
  - Set of procedures applicable to the project

EOF

Exchange of Forms

EOF: Current System

- Objective: Exchange of information via standard e-forms
  - Forms available on CIRCA,
    "SCAC" interest group,
    in "Library > Top > SCAC FORMS and GUIDEBOOKS > SCAC - FORMS"
- Legal base:
  - Council Regulation 1798/2003
- Exchange via CCNMail2
- Several domains:
  - VIES CLO
  - Fraud
  - Recovery of claims
  - Automatic exchange
  - Taxation on Savings

EOF: Future System

- Objective: implement an e-form system that :
  - Uses XML for the forms data to allow the automatic processing of the forms;
  - Provide the MS with a form implementation that will allow them to load, edit and save the form data while easing the support of the different languages;

EOF: Project Plan

- No development by NA
- Commission project in two phases:
  - Phase 1 - Specifications: Q3/2006
  - Phase 2 - e-form implementation: Q1/2007

EOF: Documents

- SCIT 70 : E. of F. - Project Overview
- Forms to be exchanged can be found: "*Library > TOP/ SCAC and Guidebooks / SCAC - FORMS*".

TOS

Taxation on Savings

Taxation on Savings

- Objective: Exchange info on savings income from EU citizens
- Legal base: Directive 2003/48/EC of 30 June 2003 - Entry into application : 1st July 2005
- Commission project plan
  - Functional Specifications: Q2/2006
  - Technical Specifications: > Q3/2006

TOS: Project Plan

- Developments not started yet. It is anticipated that workload will be similar to those needed for VoeS.

TOS: Documents

- Specification Documents are not ready yet (FS, TS, ATS).
- Powerpoint presentations focusing on FISC39 exchanges are available on Circa.
- FISC153 and FISC154, applicable for exchanges as from 2008 also available on Circa.

1SS

One Stop Shop

1SS (One Stop Shop)

- Objective: allow EU traders to use their national VAT numbers to submit a harmonised VAT return through their own National Administration.
- 'Legal Base':
  - Commission Proposal COM(2004) 728 final
- Currently, EU traders have to be identified and make returns and payments in every MS where they carry out taxable transactions.

1SS: Project Plan

No planning yet (Commission Proposal still under discussion in the Council).

1SS: Documents

No documentation available.

Comitology

Comitology

- SCAC (Standard Committee for Administrative Cooperation)
- SCIT (SCAC on Information Technology)
- FISCALIS