

The Ontario Food Safety Decision Support System - FSDSS

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Outline

- Overview of FSDSS
 - Background
 - Support Structure
 - Technical Specifications
- IT development for the Ontario Food Safety System (OFSS) Initiative

FSDSS Background

- Developed and rolled out in Sept 1999 (Y2K project)
- Replaced 11 existing business data tracking systems
- Oracle 8.0.5 data base
- Advanced Replication (Laptop Synchronization)
- 24 x 7 X 365 - Mission Critical
- Supporting:
 - Meat inspection
 - Horticulture inspection
 - Dairy inspection
 - Livestock Medicine (Agriculture and Rural Division)

The Ontario Food Safety Decision Support System - FSDSS

- The Provincial Auditor as well as the Standing Committee on Public Accounts have identified this computerized risk management system as critical to the successful delivery of the Ministry's food safety mandate

The Ontario Food Safety Decision Support System - FSDSS

Nine Subsystems

- 1) Licensing
- 2) Compliance
- 3) Inspection Operations
- 4) Expert Assistance
- 5) Laboratory Services
- 6) Branch Operations Management and Support
- 7) Client Statistics
- 8) Appointed Persons
- 9) Risk Management

FSDSS Support Staff

- Administrative Support - 1 FTE
- FSDSS Tech Support - 3 FTE's
- Part Time Testers - equivalent to 2 FTEs
- Database Administrator - 1 FTE
- Scientific Liaison - 1 FTE
- Data Scientist - 1 FTE
- Coordinator - **Joe Koza**
- Manager Science and Advisory Unit - **Pat Johnson**

The Food Inspection Branch

- Dairy Food Safety
- Horticulture Unit
- Meat Inspection Operations
- Meat Policy and Audit Services
- Science and Advisory Unit
- Financial Protection
 - Licensed Beef Dealers (protects sellers)

FSDSS Meat Program Support

- Licensing
- Expert Assistance
 - Veterinary Support
 - Product Disposition
- Laboratory Testing Programs
- Compliance
 - Audit and Follow Up
- Inspection delivery
- Branch management
- Client statistics

FSDSS - "Other Than Meat"

- Dairy
 - Licensing and Applications
 - Audit
 - Laboratory testing programs
- Horticulture
 - Laboratory testing programs
- Livestock Medicines
 - Inspection
 - Licensing

FSDSS Electronic Interfaces

FSDSS links electronically to:

- Laboratories
 - U of G Lab Services Division
 - U of G Animal Health Lab
- Ontario Pork
- Branch website

Current FSDSS Technical Specifications

- 2 Oracle Servers
 - Compaq Proliant 5500
 - Pentium 2 Xeon Class
- Production and Test (Backup)
- Win NT4.0 (Service Pack 6.0)
- Oracle 8 Enterprise Edition Release 8.0.5.0.0
- Advanced Replication Option
- FTP Server for Auto-Deployment of patches

Current FSDSS Technical Specifications

- More than 60 scheduled processes
 - Oracle Enterprise Manager (OEM)
 - Lab interface incoming and outgoing data
 - frequency determined by program needs
 - Non-Visual Objects (NVO)
 - business tasks fired by the database
 - 7 sources e.g., inspection/audit tasks
- Client Side
 - Local and Remote

Current FSDSS Technical Specifications

- Local users
 - Approximately 115 registered users
 - Requires FSDSS application
 - Connects through the network
 - Typically OMAF employees with network logons and id's

Current FSDSS Technical Specifications

- Remote user
 - Approximately 170 registered users
 - Oracle Personal Edition Version 8 and FSDSS
 - Data is entered into FSDSS offline
 - Log into MPR and push data to the server daily
 - User will pull data on a weekly basis

Future FSDSS Technical Specifications

- By end of this Fiscal Year
 - Two Identical Dell 6650 Servers
 - Production and Development/Test
 - (Both Backed Up)
 - 4 - 2.8 Ghz P4 Processors each
 - OS - Windows 2003 Enterprise Server
 - Oracle 9i Database
 - 9i Personal Edition for Remote Machines

OFSS

The Ontario Food Safety System

The Ontario Food Safety System (OFSS)

- Improve Food Safety in Ontario
- Food Safety and Quality Act
- Across the Food Continuum
 - from “Field to Fork”
- Involve OMAF (Lead), MOHLTC and MNR
- Comprehensive, science based risk analysis, management and communications

OFSS IT Development Goals

- Row 2 Zachman conceptual business architecture
- Solid definition of current services and business processes
- Identified where I&IT can support business improvements
- Opportunity to design and deliver improved services, information and systems
- Aligned with Performance Measures initiative
- Apply risk principles to design of Food Safety programs and monitor performance

The Ontario IT Food Safety System OFSS - Next Steps

- Proceed with design of improved processes, information and systems
- Align future development with new or maturing business areas
- Further work (Row 3-5) done on service by service basis
- Inspection (*Starting December 2003*)
 - MOHLTC (Restaurant Inspection)
 - OMAF (Meat and Dairy)

The Ontario IT Food Safety System OFSS - Long Term Goals

- Technology will enable service delivery improvements
- Increased flexibility and leverage from the IT system to support ongoing business change and improvements
- Integrated sharing of information among stakeholders
- Allow the Food Safety services providers to do their jobs more effectively