



The Ordnance Survey Ireland E-Commerce System

Colin Bray
Data Collection Manager

8th EC GI & GIS Workshop, Dublin, 3rd – 5th July 2002



Overview

- Background
- System overview
- System architecture
- System functionality
- Expected benefits
- Next stage



Background

- OSi
- New business opportunities identified in E-commerce during 2000
 - New product distribution channels
 - Better customer service
- Tendering process began April 2001
- Contract awarded to Mentec Ltd (ESRI UK Ltd) in December 2001
- Completion by end 2002



System Overview

- Open systems – non-proprietary
- Seamless database
- New database schema
 - Spatial objects
 - Feature level metadata
 - Unique 16 digit topographical identifier
- International data standards
 - ISO metadata standards
 - GML v2.0 data output format
- Industry standard hardware
- Data migration
 - GPS compatible database (ITM)



System Architecture

- Windows NT Operating System
- Oracle 9i Spatial database
- ESRI ArcIMS – Internet Map Server
- ESRI ArcGIS
- ESRI Catalogue
- Microsoft Commerce Server 2000
- Microsoft standard development tools



System Functionality

- Key Account Holders and Agents
 - On-line metadata
 - On-line raster data
 - On-line vector data
 - On-line Leasing and Copyright application forms
 - On-line orthophotography
 - On-line image archive viewing and purchasing



Expected Benefits

- To OSi
 - New product distribution channel
 - Reduced cost of distribution
 - Increased revenues
 - Brand support mechanism
 - Established E-commerce infrastructure for future business opportunities
 - Complying with Government principals of Quality Customer Service



Expected Benefits

- To Customer
 - Enhancing current level of customer service
 - Immediate access to new data
 - Industry standard data specifications
 - ISO metadata
 - GML v2.2 GI data format



Next Stage

- Development of system to enable the synchronisation of key account holders and Agents with the OSi database to facilitate the exchange of change only data at the feature level.