Creating knowledge from Mapping data

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Ordnance Survey

• The National Mapping Agency

• The national spatial database
  OS MasterMap®

• Nationally consistent, up-to-date, accurate and seamless

• Vendor neutral, open-standard

• Online service and supply

• Web Services

OS MasterMap® … It’s a bit like a map only smarter and bigger and more detailed and intuitive and analytical and up-to-date and information rich and … actually it’s not very much like a map at all – in fact it’s the most comprehensive and complex analytical business tool of its generation. It’s an enormous and intelligent database and it’s at your disposal.
OS MasterMap today...

- Full GB coverage with over 450 million features
- 26 million addresses plus pre-build
- Road network & restriction information
- High resolution, colour imagery

OS Geodetic Framework

GPS correction delivered via:
- GSM / GPRS
- Digital Radio
- Internet
- LW Radio...

GPS Base Stations

Communication Cloud

Software

Server
Accuracy in the Real World

A geographic database… to what benefit?

- Intelligent data enabling integration of public and private data – every feature uniquely identified

Highways database
road_name: Chester Close
road_type: cul-de-sac
lighting: none
TOID: 1000000729427341

Asset database
asset_type: 150mm dia CI
date: 09/05/2003
TOID: 1000000729427341
The Digital National Framework

"DNF is a set of enabling principles and operational rules that underpin and facilitate the integration of georeferenced information from multiple sources"

"DNF is primarily concerned with geospatial information and its relationship to other data and information"

Scope of DNF: the information glue

Benefits
- Problem solving
- Decision making
- Knowledge
- Cost savings
- Automation
- Reliability

Information Collection & Dbs
Information Integration
Services & Applications
Benefits
Inter organisation communication

- Operational Activity – Planned and Unplanned
- Network performance
- Highway works Management
- Incident Management at all levels of the business
- Asset identification and management
- Planning and organisation

Public communication

- Customer Contact
- Planned Works
- Emergencies
- Regulatory requirements
Summary

• Organisations are seeking to use geographic information to improve knowledge of their assets in order to;
  • reduce costs
  • ensure regulatory and legislative compliance
  • increase customers’ satisfaction
  • deliver better services
  • communicate more effectively

• Ordnance Survey supports those aims by:
  • maintaining a definitive, consistent and highly detailed database
  • adhering to the principles of DNF
  • providing “One version of the truth”

We are building the “geographic spatial framework for the nation” to support information sharing and enable better decision making.

This is what we are all trying to avoid!
Thank You

Further Information

http://www.ordinancesurvey.co.uk
http://www.dnf.org