

Development of an ITS Technical Framework for the UK

Louise Barnett and James Long

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Overview

- Policy background
- Aims and objectives
- The status quo vs. the ideal position
- Methodology
- Case studies
- Potential approach
- Governance recommendations
- Business case

Policy Context

- ITS Policy Framework for the roads sector published Nov 2005
- One of the actions was to deliver in partnership with others a National Technical Framework for ITS.
- This paper provides an update on progress in taking that action forward.

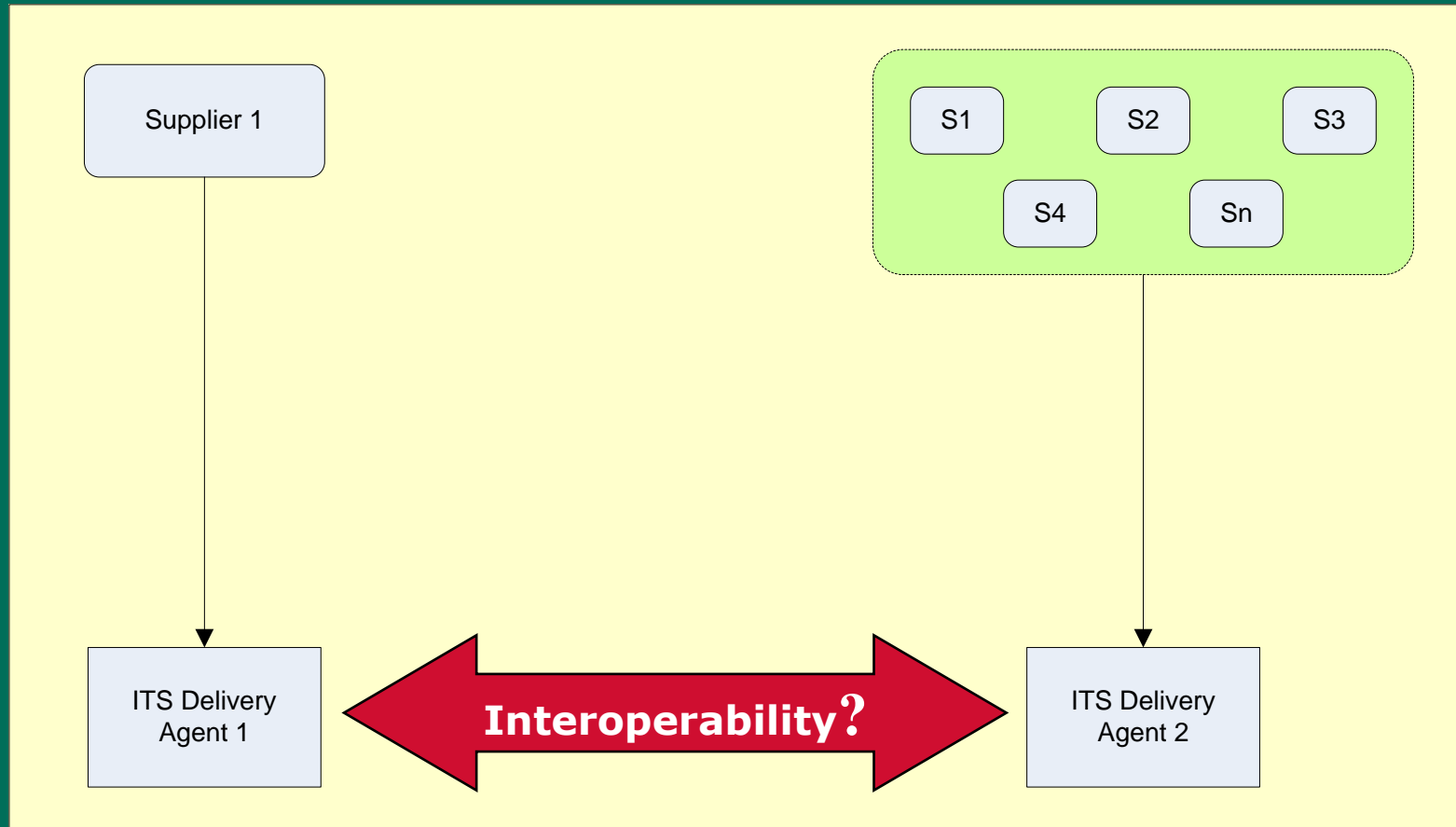
Supporting transport policies

- Improving road network management
- Improving road safety
- Better travel and traveller information
- Better public transport
- A more efficient road freight industry
- Reducing negative environmental impacts
- Security, crime reduction, and emergency planning

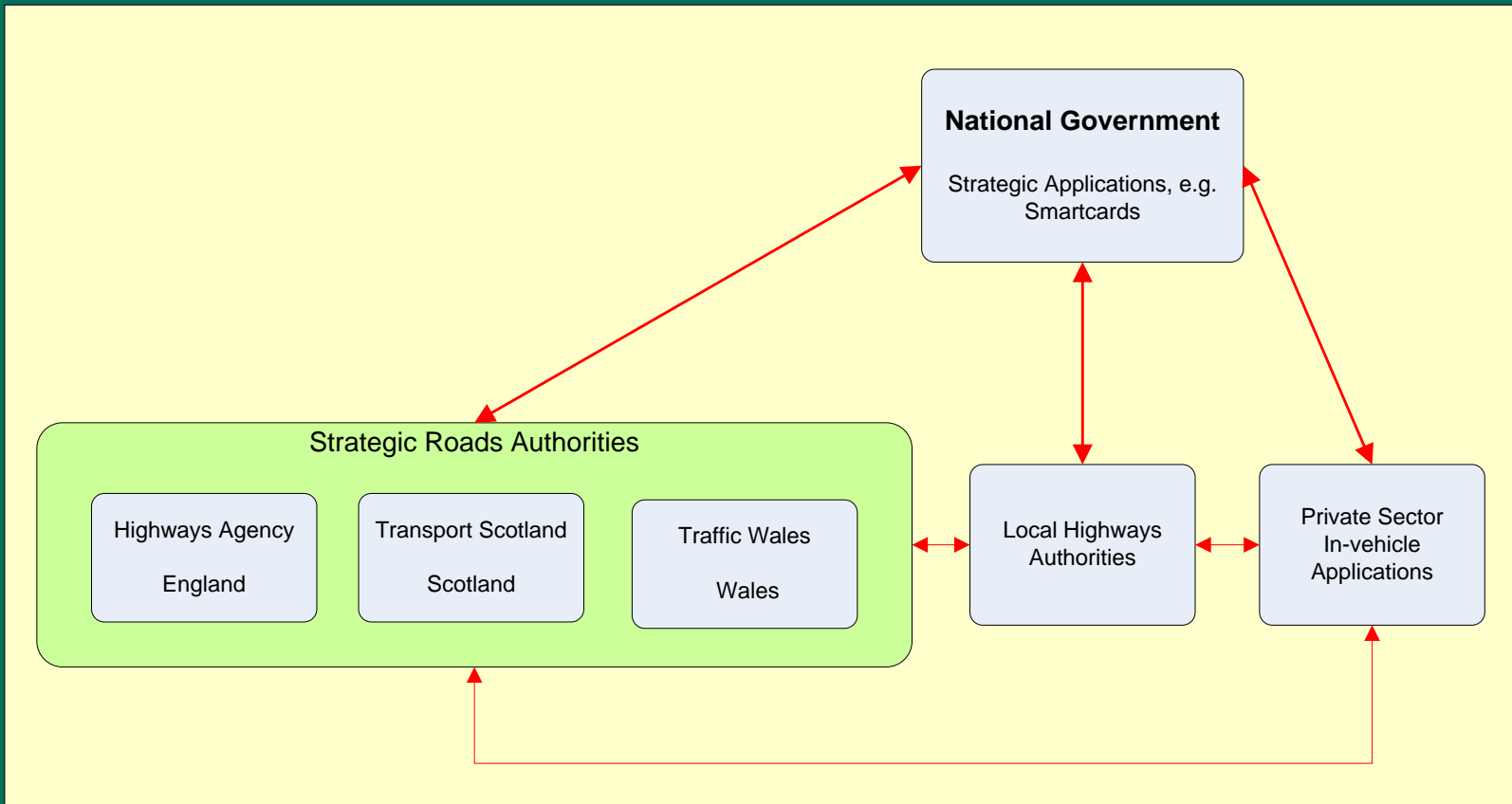
Setting the goal

- The goal set for the National Technical Framework for ITS (NTFI) is to encourage the cost-effective deployment of current and future ITS applications, making best use of information and resources.

Problem



Ideal



Scope

- Be relevant to the whole of the UK.
- Focus on public sector applications and their interfaces to the market for private sector applications.
- Initially focus on road transport, recognising the need to work across the boundaries with other modes.
- Cover a minimum defined set of ITS applications and services.

Requirements for the methodology

- The methodology needs to:
 - Recognise that there are many ITS stakeholders in the UK
 - Accept devolved ownership of the NTFI
 - Ensure long-term governance
 - Acknowledge the role of public sector stakeholders
 - Accommodate the aspirations of public and private sectors
 - Multiple levels of detail
 - Develop a strong business case for the NTFI
 - Enable stakeholders to establish their aspirations
- The approach for enabling stakeholders to establish their aspirations was developed using the Zachman Framework

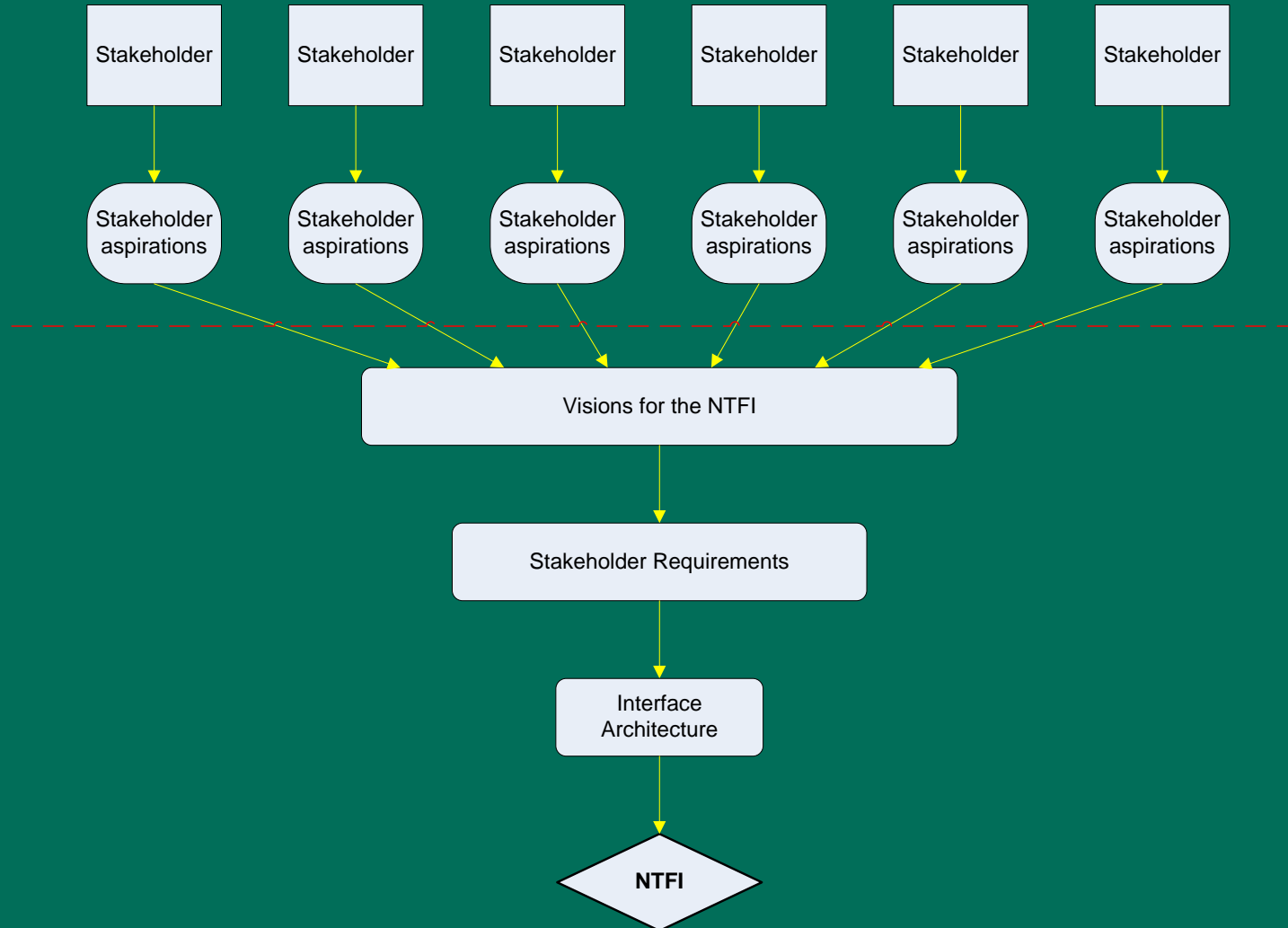
The Zachman Framework

	What	How	Where	Who	When	Why
Contextual						
Concept						
Logical						
Physical						
As built						
Functional						

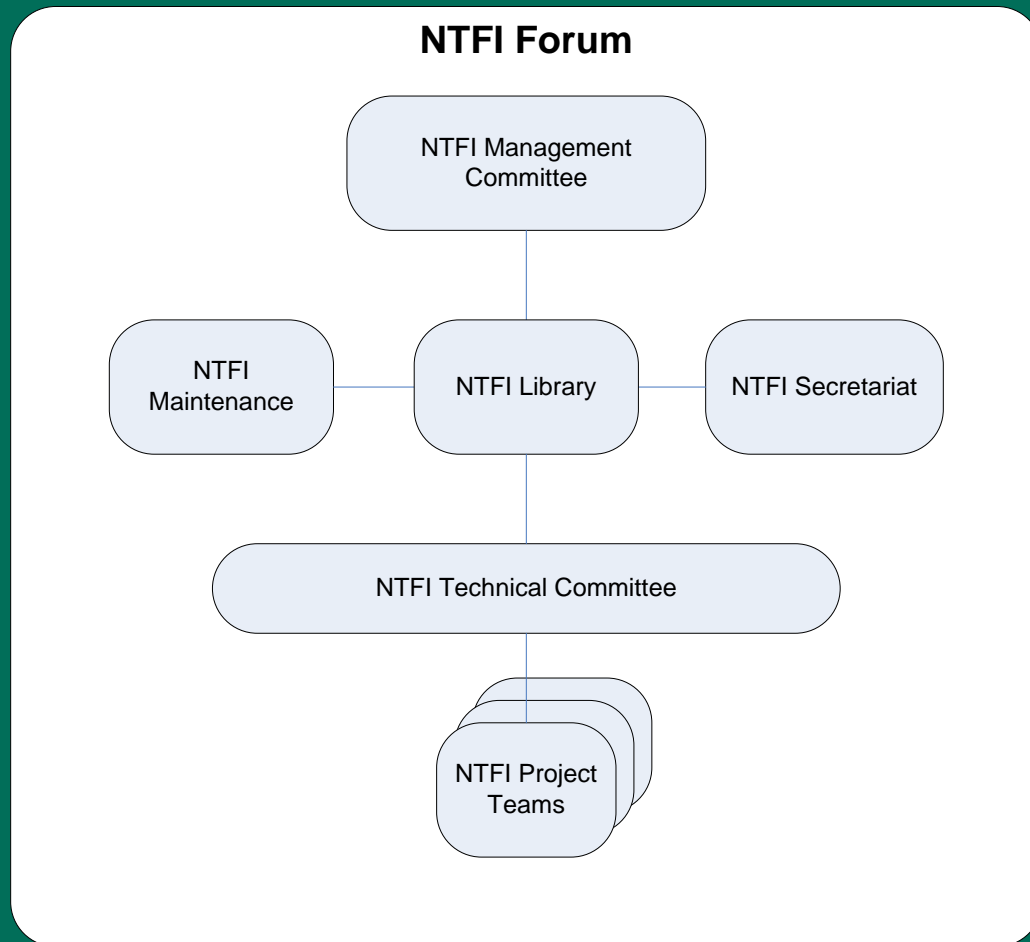
Case Studies

- Highway Authorities
 - Highways Agency
 - ROMANSE authorities (Hampshire County Council, Portsmouth City Council, Southampton City Council)
 - Kent County Council
 - West Midlands
- Strategic applications
 - Real-time Passenger Information
 - Smartcards
 - Road Pricing
- Private Sector
 - In-vehicle applications

Collaborative definition of the NTFI



Potential Collaborative approach to developing the NTFI



Recommendations for governance

- Ownership proposals
 - DfT own process and support the overall governance structure
 - Collective ownership by stakeholders
- Key Stakeholders should have responsibility for:
 - The delivery of ITS applications/services
 - The specifications/ requirements of ITS applications/services
 - Implementing the NTFI in their organisation

Benefits of a collaborative approach

- Collaborative, pragmatic approach = best option for stakeholders and provides industry with something tangible to work with

Business Case

- Business case
 - Range of options for DfT's role investigated
 - Assessed against certain criteria
 - Collaborative approach
 - Process supported and owned by DfT
 - Collective Ownership by stakeholders
- Currently there is an internal consultation underway within the DfT

Contact Details

- Louise Barnett (Head of ITS Policy Coordination)
 - 020 7944 4851
 - Louise.Barnett@dft.gsi.gov.uk
- James Long (NTFI Development Team)
 - James.Long@rapp.uk.com