

dti

The DTI
Technology Strategy
and the
Broadband Stakeholder Group

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DTI Technology Strategy

Innovation

Money

R&D

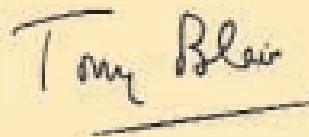
Format

- Short presentation DTI Technology Strategy and implications for the electronic communications sector
- Discussion and questions as required

Technology Strategy: Background

Innovation Report

“The challenge ... is to create the conditions where all our firms put innovation at the centre of their strategies for the future.”

A handwritten signature in black ink that reads "Tony Blair". The signature is written in a cursive style and is underlined with a single horizontal line.

Rt. Hon. Tony Blair, Prime Minister

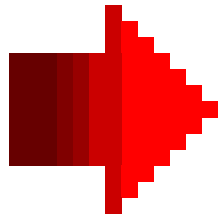
How we arrived at the Technology Strategy

Two key underlying reviews:

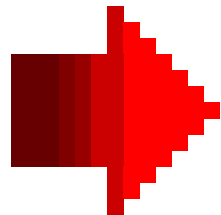
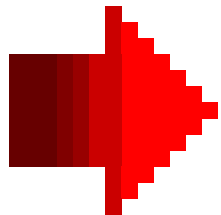
- Innovation Review – how we will focus money on larger scale innovation
- Review of business support products – small number of well designed and focused products

Business Products in the Technology Strategy

From these two reports:



Introduce 9 business products that the DTI will work around



Two of these are used in the Technology Strategy

Collaborative R&D

- 25-75% grant to R&D collaborators
- Builds on the best of Link
- Seeking various types of collaboration:
 - Science to business
 - Business to business
 - Near and far from market
- Success criteria include: relevance, management & economic benefits
- Appeal to those with capability and vision – we're supporting high risk, high reward

Knowledge Transfer Networks

- 100% grant to intermediaries & network facilitators
- Builds on the best of Faradays
- Introducing 3 'flavours' of the product:
 - Managed networks
 - Information Networks
 - Issues networks
- Success criteria include: relevance, management & economic benefits
- Greatest appeal to associations and groups of companies

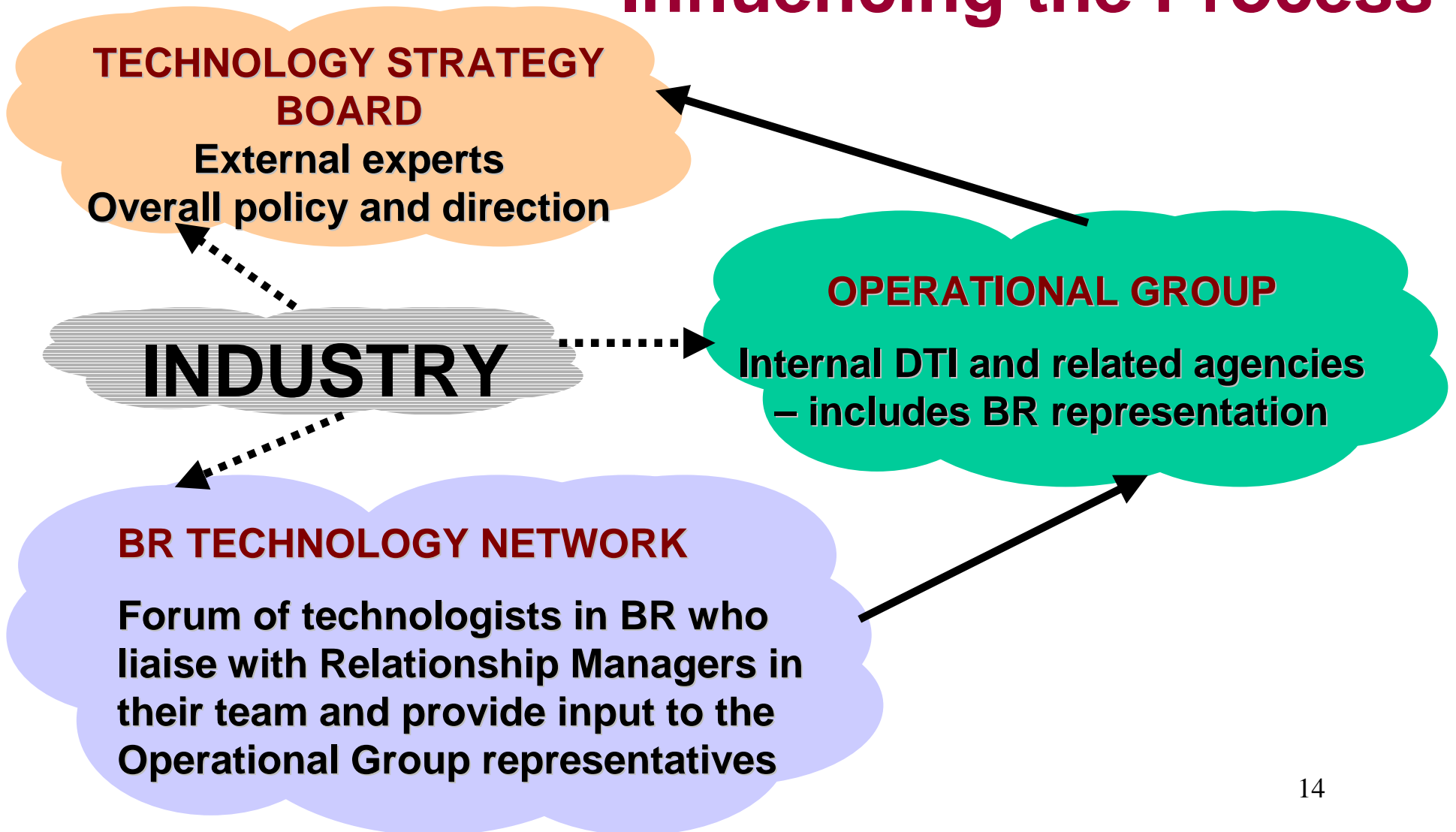
Or you could mix the two together

But you do need to collaborate with others!

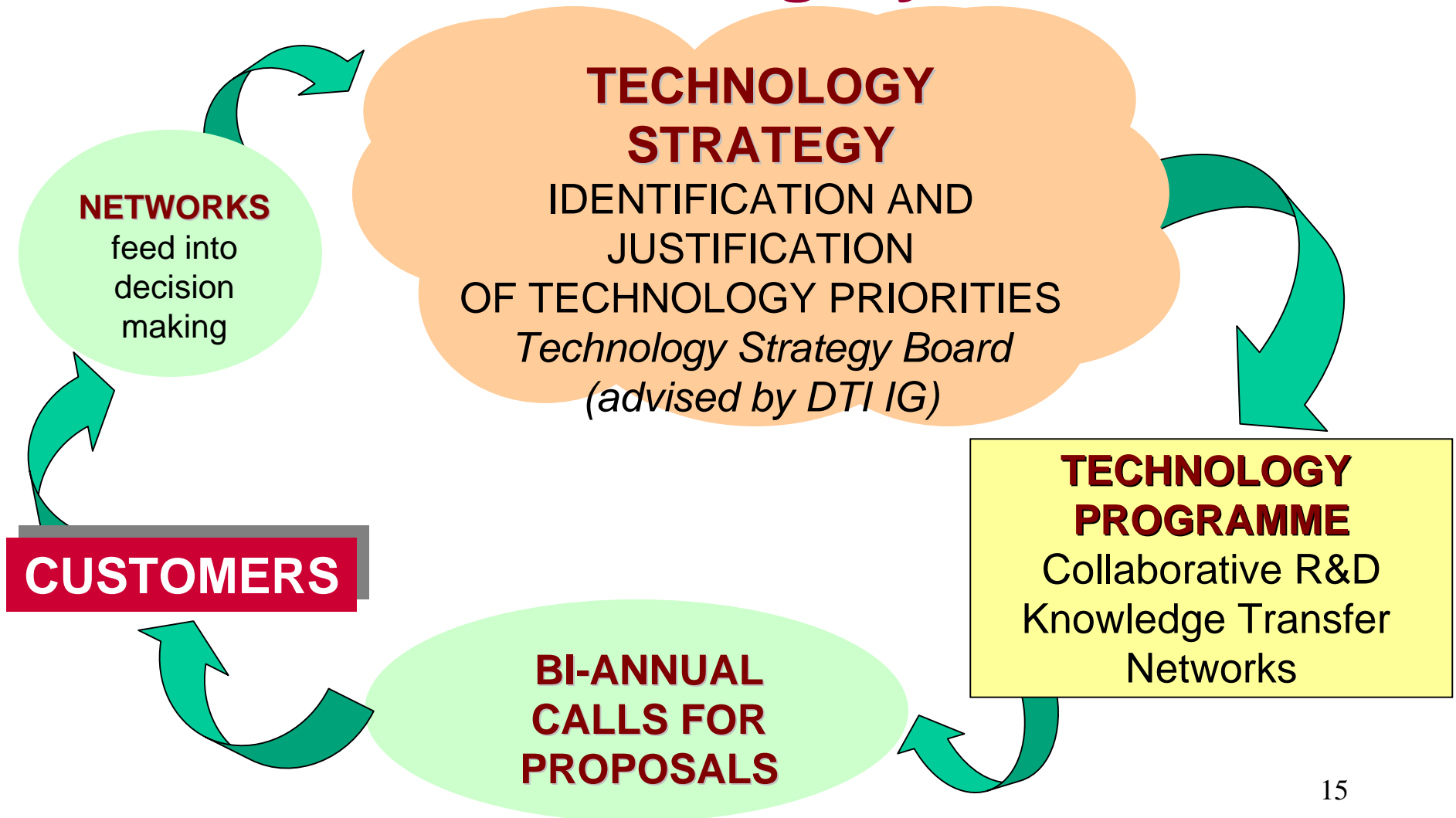
Electronic Communications Research and Development in the UK

- Little business lead R&D in our sector in the UK
- Lot of activity in smaller companies
- Lot of academic activity
- R&D needs to have area (ie Europe) or global reach – this is how most companies in our sector think
- Projects with work outside the UK not excluded, but must show reasonable benefit to the UK, and most of the work must take place here

Influencing the Process



The Thinking Cycle





Current activities

- Strategy – Formal launch end November, regional launch meetings thereafter
- Board – Chairman and Board members now appointed – see DTI website
- Open competition for proposals in following areas in April 2004:
 - Bioprocessing
 - Environmentally friendly transport
 - Renewable Technologies
 - Sensors & control systems
 - Advanced (composite) materials
 - Inter-enterprise computing
 - Disruptive technologies in electronics & display systems
- Outline and detailed proposals being dealt with on these
- Projects will start at earliest beginning 2005
- Next competitions – November 2004 (may be in 2 parts) and April 2005

Key themes

- There are 7 key themes in the Technology Strategy around which calls will be made for the foreseeable future:
 1. Healthcare in an Ageing Society
 2. A more Secure Environment
 3. An Intelligent, Connected World
 4. Sustainable Production and Consumption
 5. Environmentally friendly Transport Systems
 6. Renewable and Sustainable Energy Supply
 7. The Modern Built Environment
- Themes 2 and 3 are likely to be of most interest

November 2004 Competition (1)

- Technology Strategy Board has decided on contents of November Call
- They are advised by the Technology Assessment Unit (TAU) in Innovation Group

November 2004 Competition (2)

- A number of areas agreed for R&D calls – these will go ahead in November
- Calls for KTN will be reviewed at the next Board meeting – if accepted will go ahead in January 2005 on a compressed timescale

Calls in November (or later) of interest to this sector

SUBJECT AREA	SCHEME
Pervasive Computing, including Networks and Sensors around specific applications: these may include Modern Built Environment (eg for energy efficiency), Healthcare, Media Content, and Reliability/condition monitoring	KTN R&D
Broadband convergence	KTN
Cyber Security and Biometrics	KTN
Digital Content	KTN
<i>Note that KTNs are not yet agreed!</i>	

Sector Technologists

- One or more in each BR sector unit
- Focal point for Technology Strategy liaison for sector team
- Depending on number in a sector unit – differing level of involvement
- Work with Operational Group
- CNU:
 - Simon Hicks for overall issues
 - Ian Dixon for broadcast issues

How can DTI help?

- Innovation Group (IG) has DTI personnel who support and drive the Technology Strategy work
- Extensive use of outside contractors to support processes and assessors to review projects
- Business Relations (ie the Relationship Managers you liaise with) are your day to day contact

What DTI IG can do for you

- Tell you how the scheme works
- Send submissions to them, and receive progress reports from them
- Invite you to events to discuss the scheme

What BR (your RM) can do for you

- Pass on your general ideas and concerns to IG
- Let you know if anybody else is thinking along your lines
- Identify the right person to contact in IG on a specific area
- Advise you what areas are likely to be put up for calls in forthcoming blocks
- *It's a two-way street*

Where to find help and learn more

- Start with the brochure “Succeeding through Innovation” (hard copy and website versions available)
- Review this presentation
- Look at the website
www.dti.gov.uk/technologyprogramme
 - Theme brochure: ‘Succeeding through Innovation’
 - Leaflet: Technology Strategy & Programme
 - Guide for Applicants
 - FAQs
- Liaise with the appropriate part of IG via your RM

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Questions and discussion