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Customer Case Study

Voice/Data Integration
Australian Department of Defence

Ric Glenister
Network Support Manager
April 1996

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AGENDA

- Introduction
- Communication Environment
- Voice Integration
- Network Management
- Future Network Enhancements

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Introduction

Communication Environment

Voice Integration

Network Management

Future Network Enhancements

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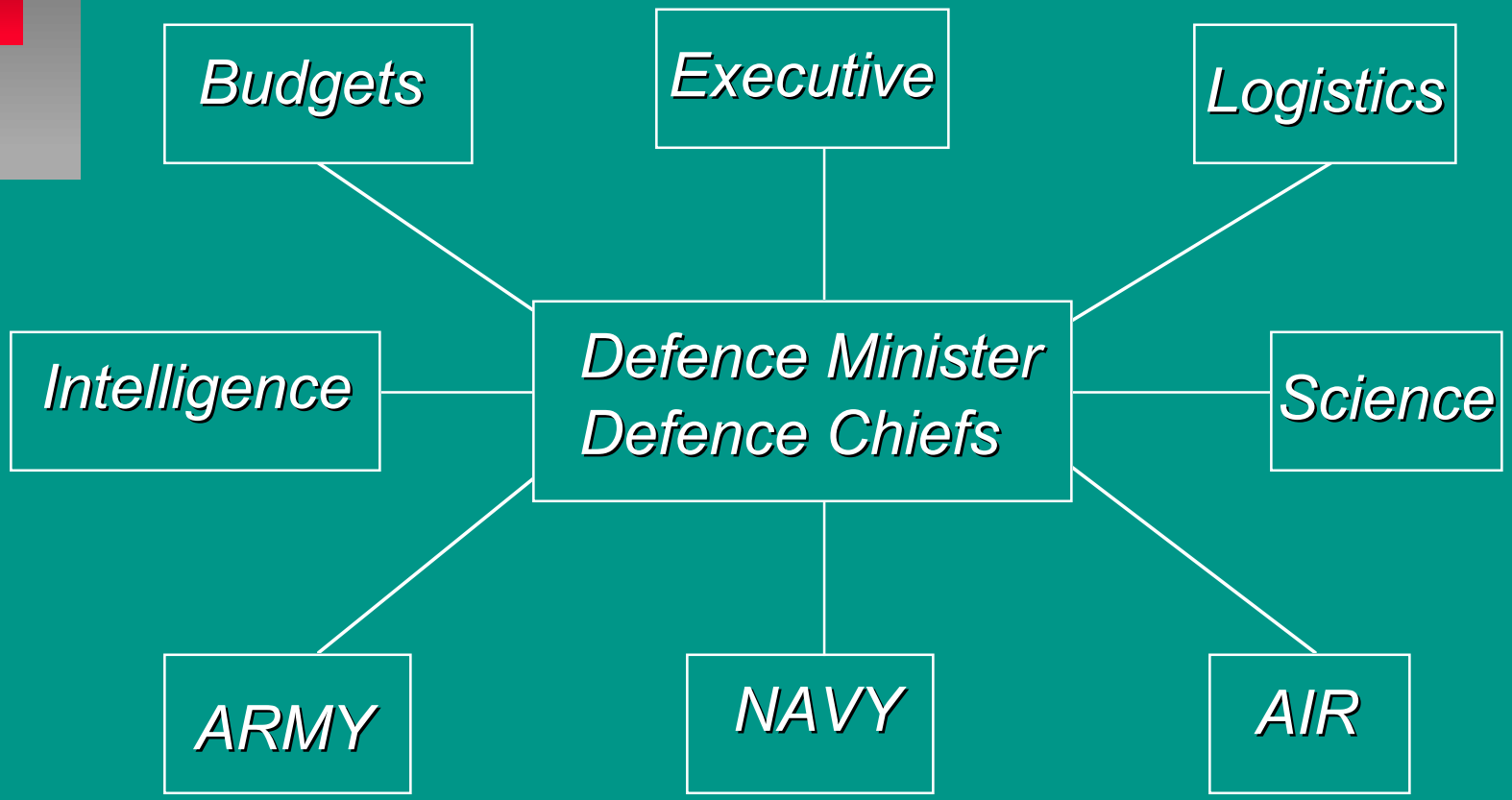
Defence Structure



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Introduction

Communication Environment

Voice Integration

Network Management

Future Network Enhancements

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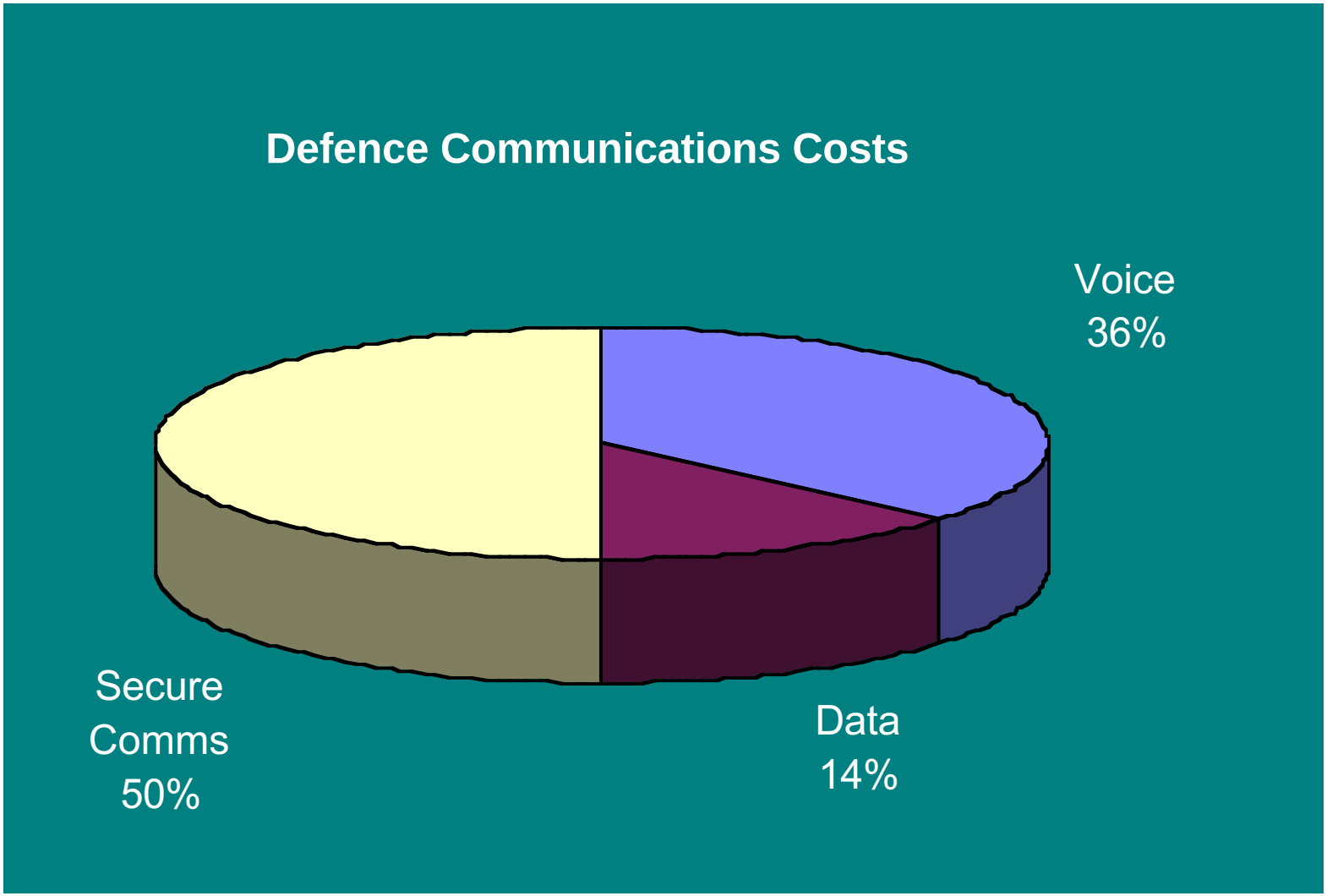

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Major Centres

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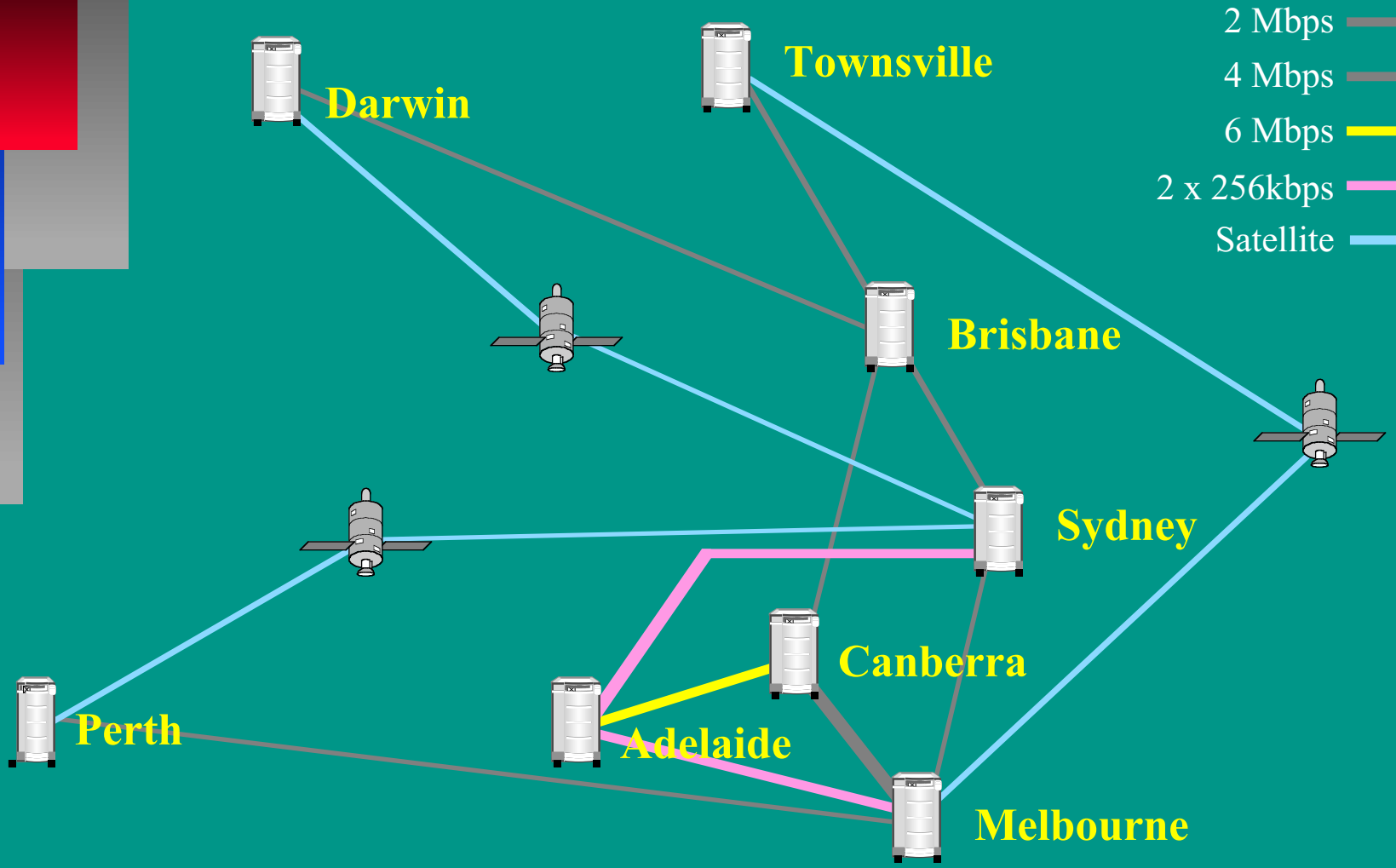
DISCON Network



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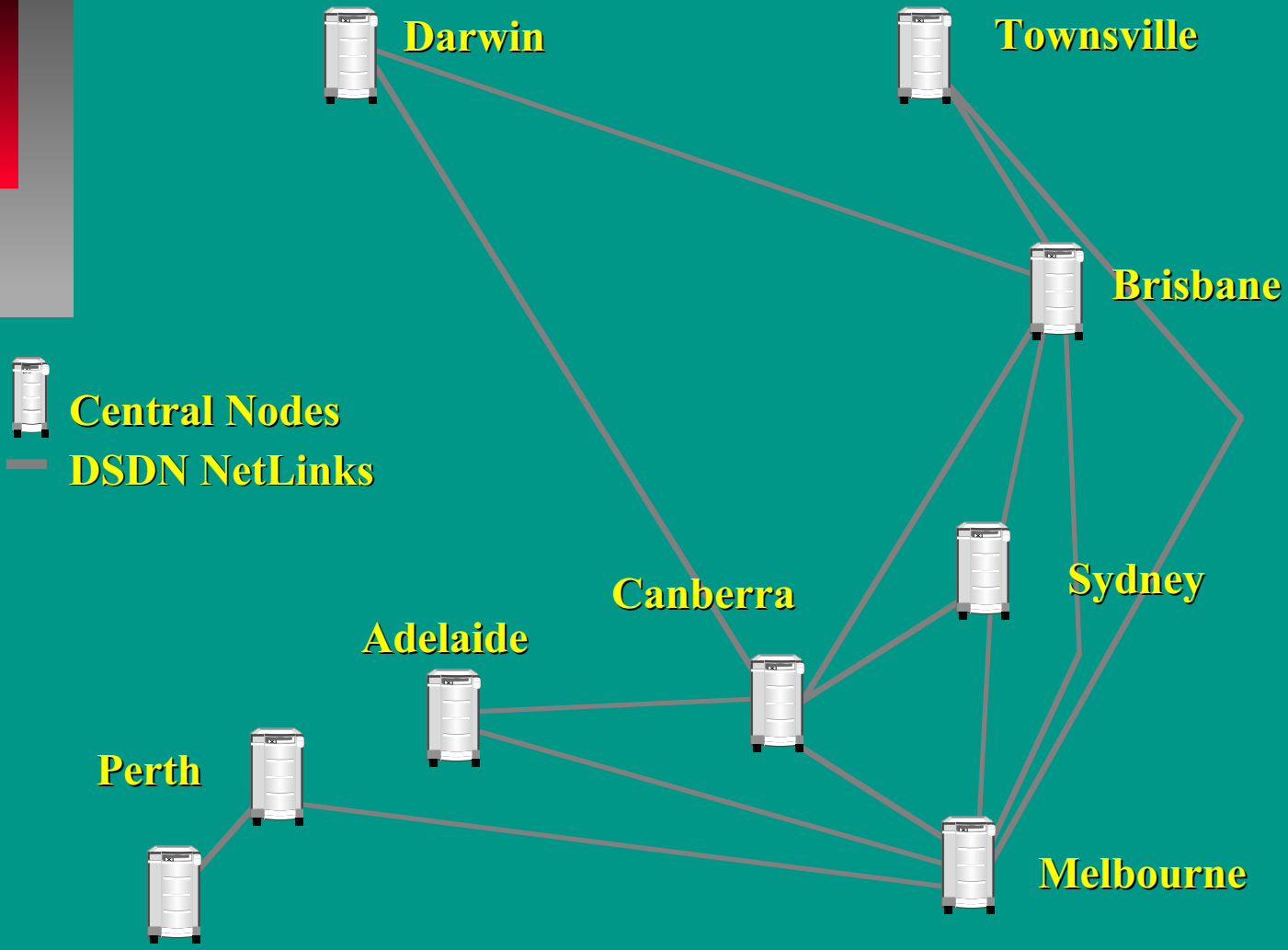
DSDN Data Network



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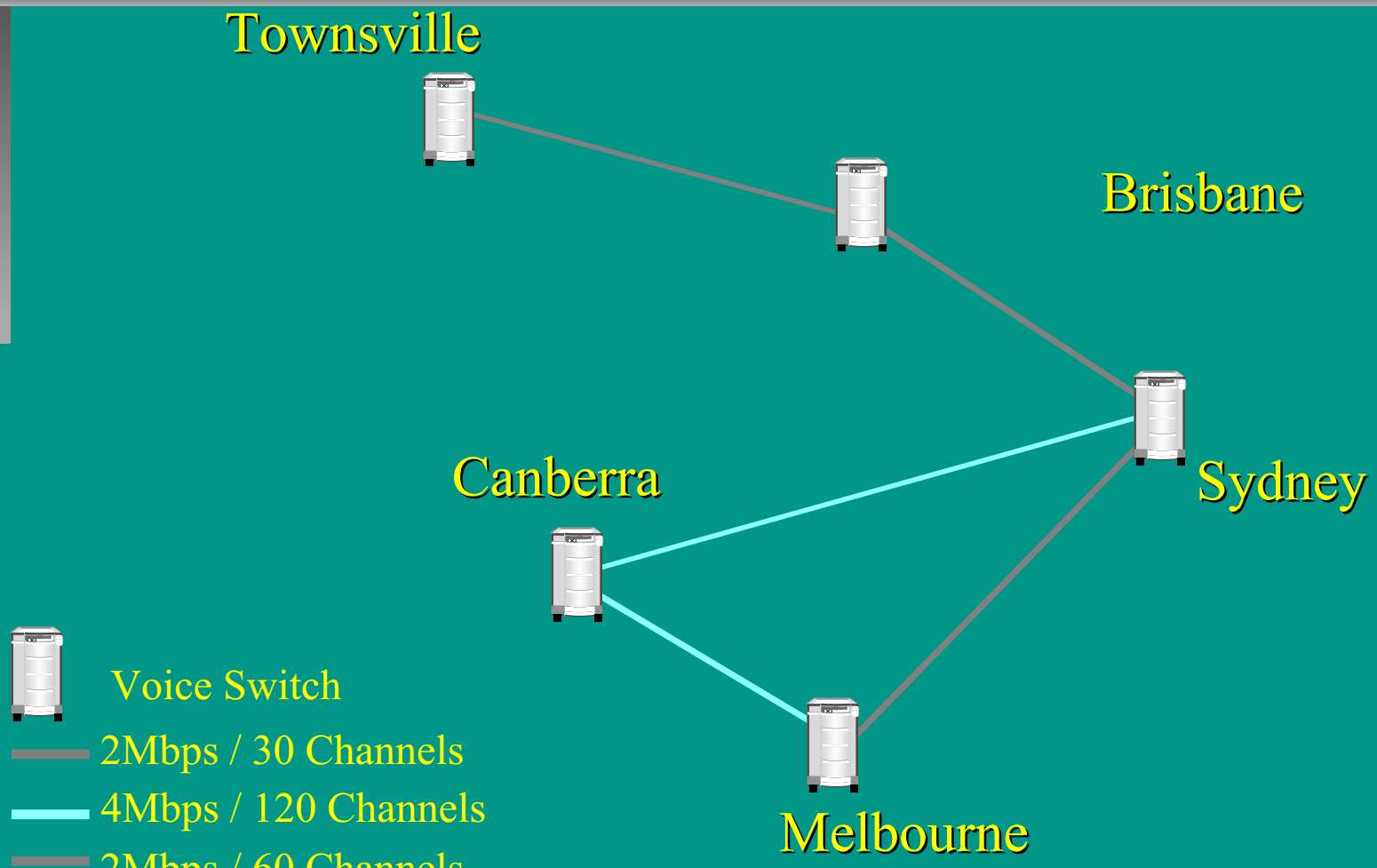
DNATS Voice Network



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Introduction

Communication Environment

Voice and Data Integration

Network Management

Future Network Enhancements

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- ISPN - explanation
  - plan
  - implementation
    - Risk Management
    - Benefits for Defence
    - User Friendly
    - Bandwidth Savings
    - Performance issues
    - Voice Quality @ 32k
    - QDU's - transit Switching
    - Fax/Modems
    - BTDS
  - Integration
    - RID's/CSRM
    - TAT Support (Planning/Risk Management)

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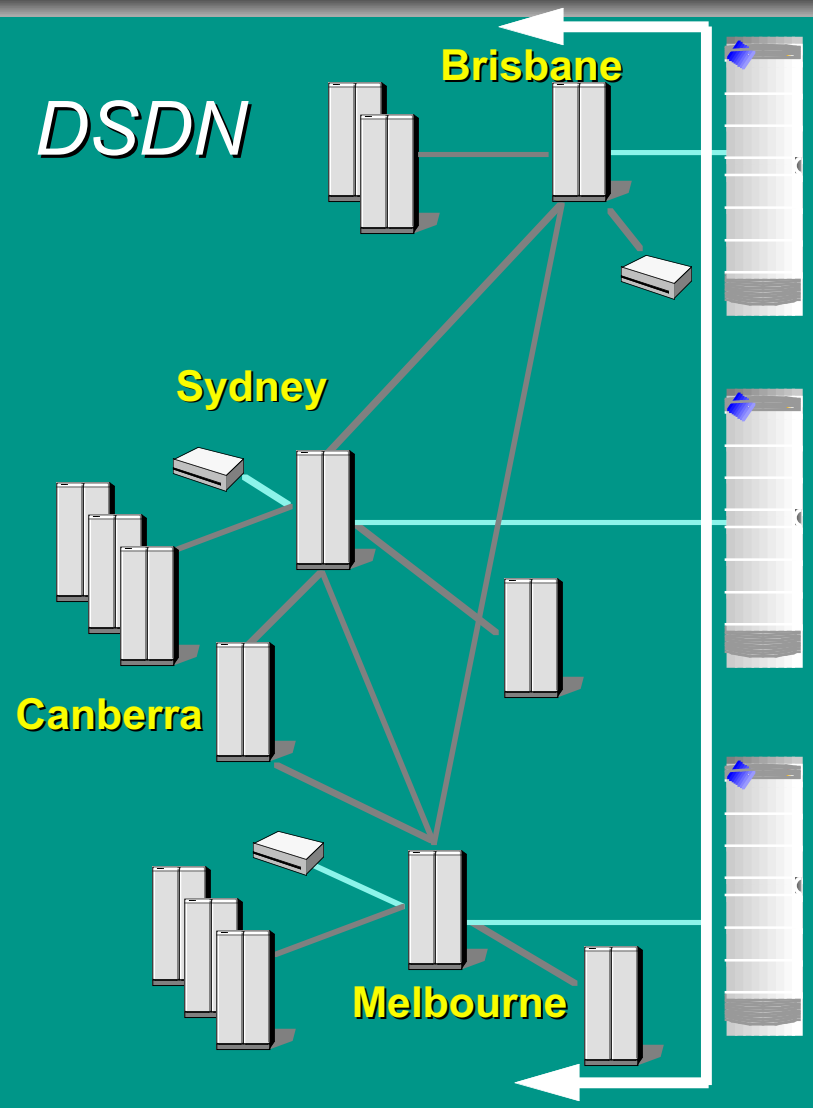
DSDN - Integrated Services Pilot Network



Phase 1:
- Installation & Network Management

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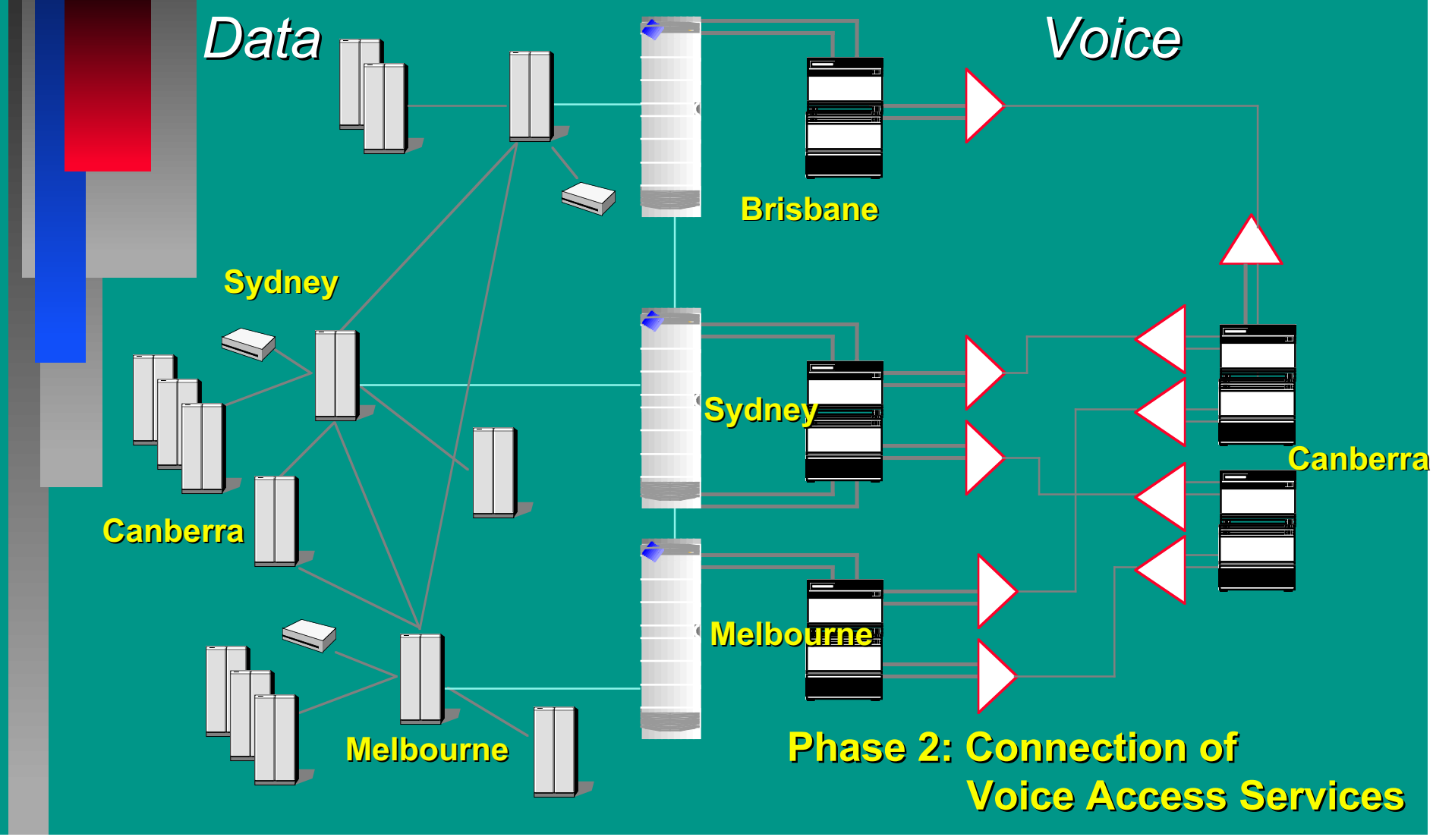
DSDN - Integrated Services Pilot Network



Phase 2: Connection of Voice Access Services

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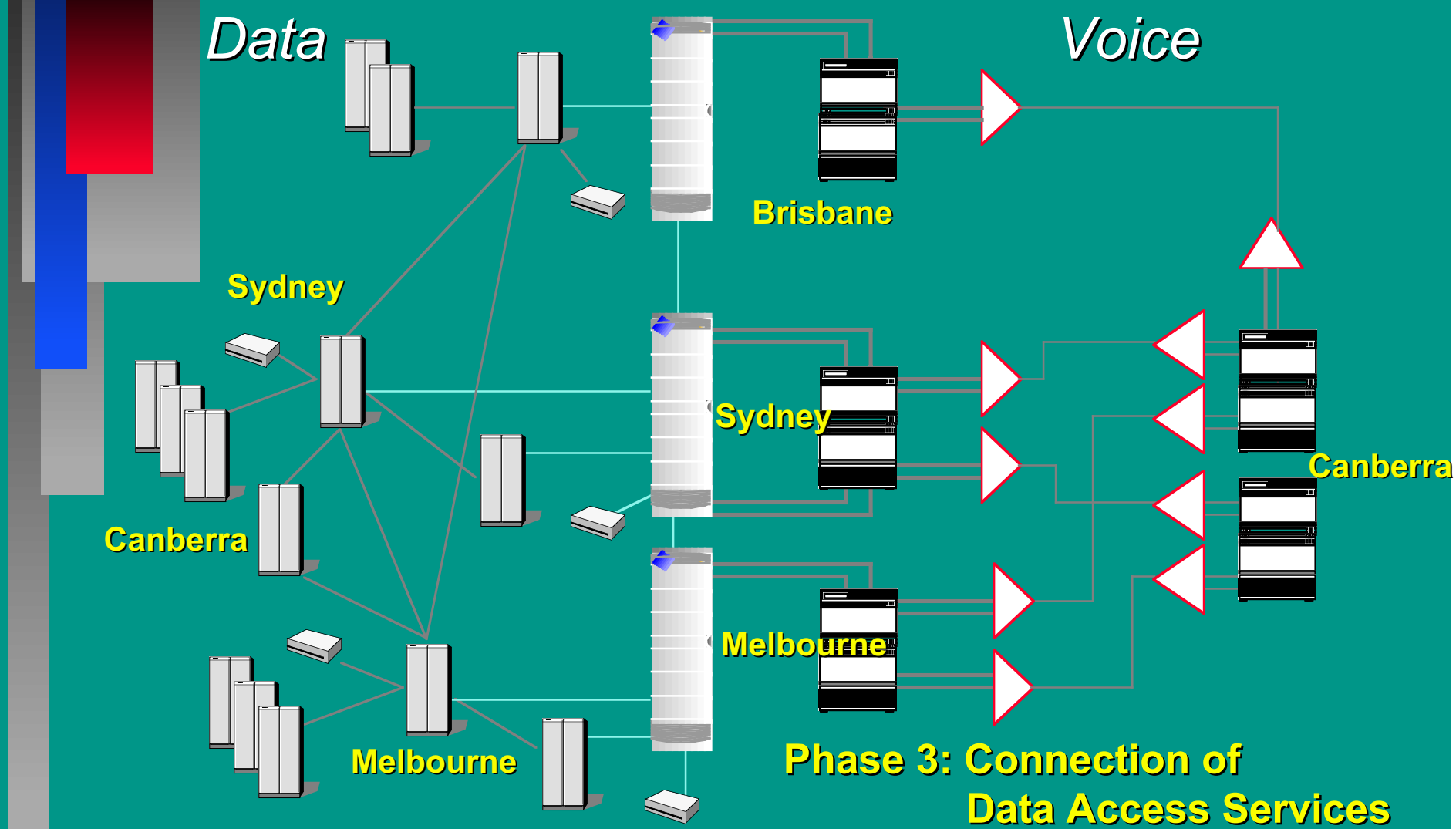
DSDN - Integrated Services Pilot Network



Phase 3: Connection of Data Access Services

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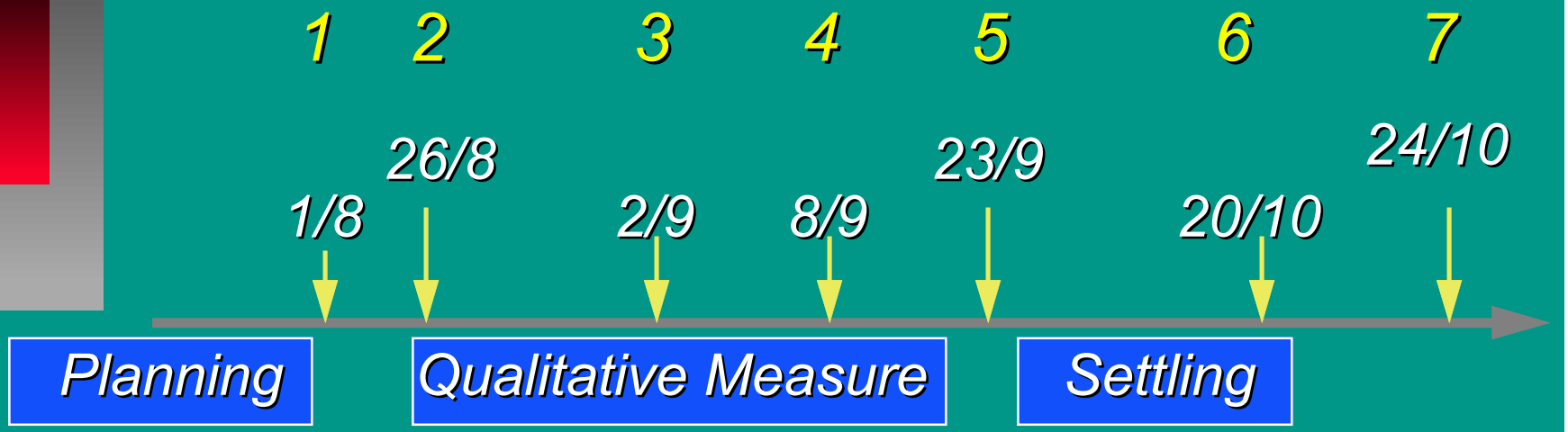
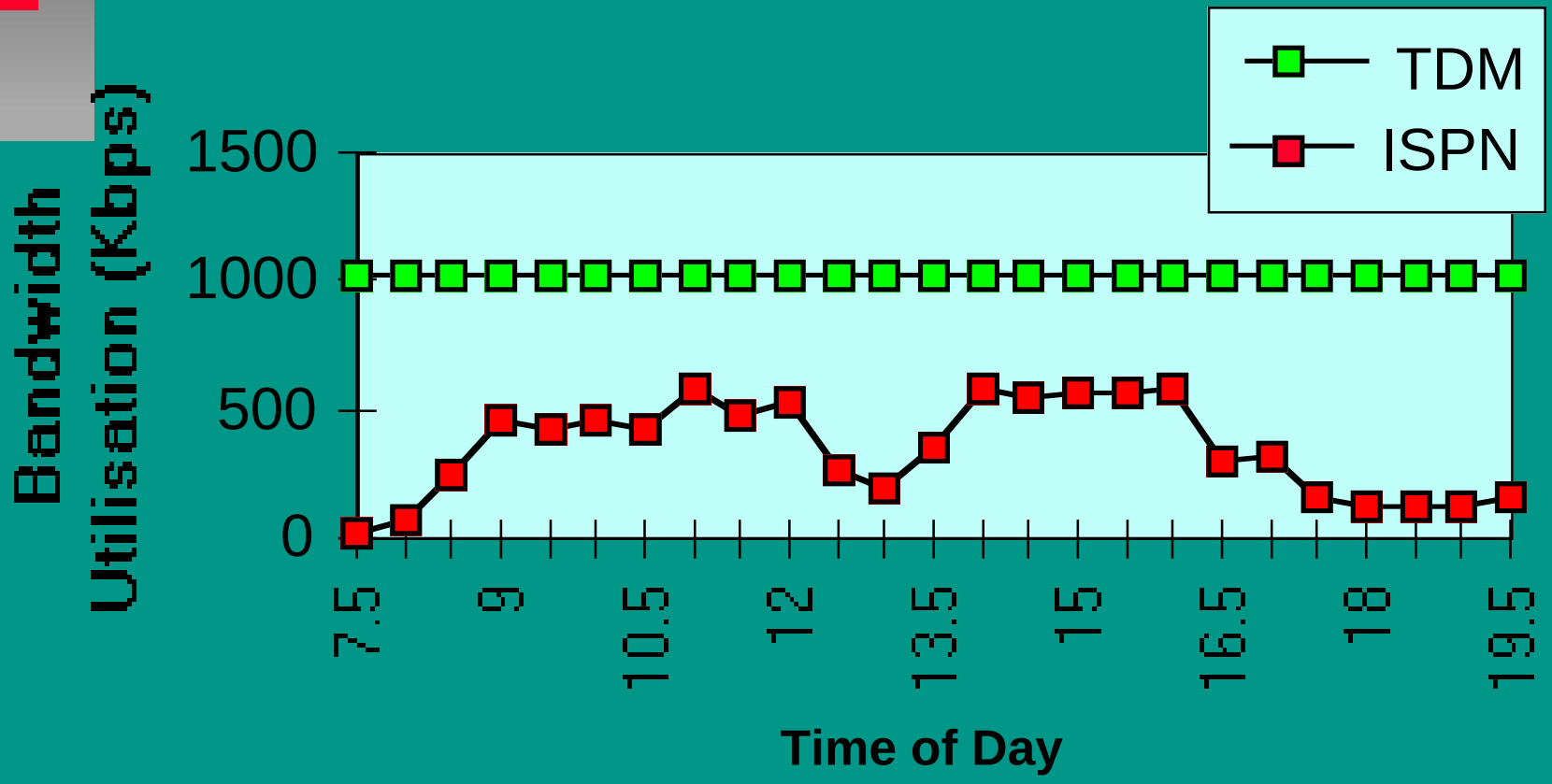
Implementation



Phase	1 – 1/8	Melbourne-Sydney Megalink
	2 – 26/9	Planned Melbourne-Sydney Trunk 1 Cutover
	3 – 2/9	Actual Melbourne-Sydney Trunk 1 Cutover
	4 – 8/9	SAD Enabled
	5 – 23/9	Sydney-Brisbane Trunk 1 Cutover
	6 – 20/10	Sydney-Brisbane Trunk 2 Cutover
	7 – 24/10	Melbourne-Sydney Trunk 2 Cutover

Bandwidth Utilisation

Bandwidth Used to Support 30 Voice Channels



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Communication Environment

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Network Management

- **Service Provisioning**
- **Open Management**
- **SNMP Management**

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Introduction

Communication Environment

Voice Integration

Network Management

Future Network Enhancements

The Future

ITU-8 Compression - Software

Voice Switching

Feature Transparency

ISDN / PBX

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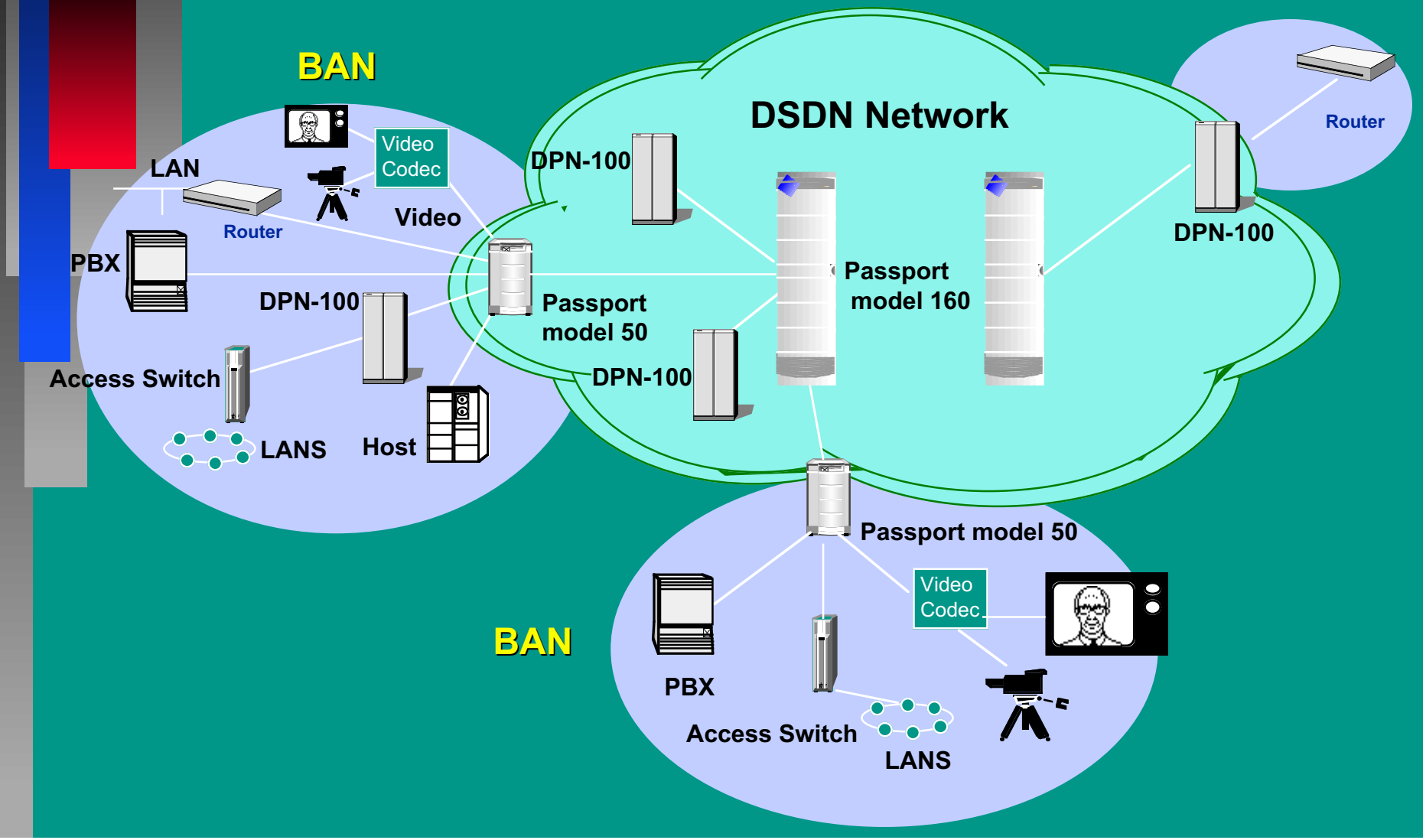
Tomorrow's Defence Communications Environment



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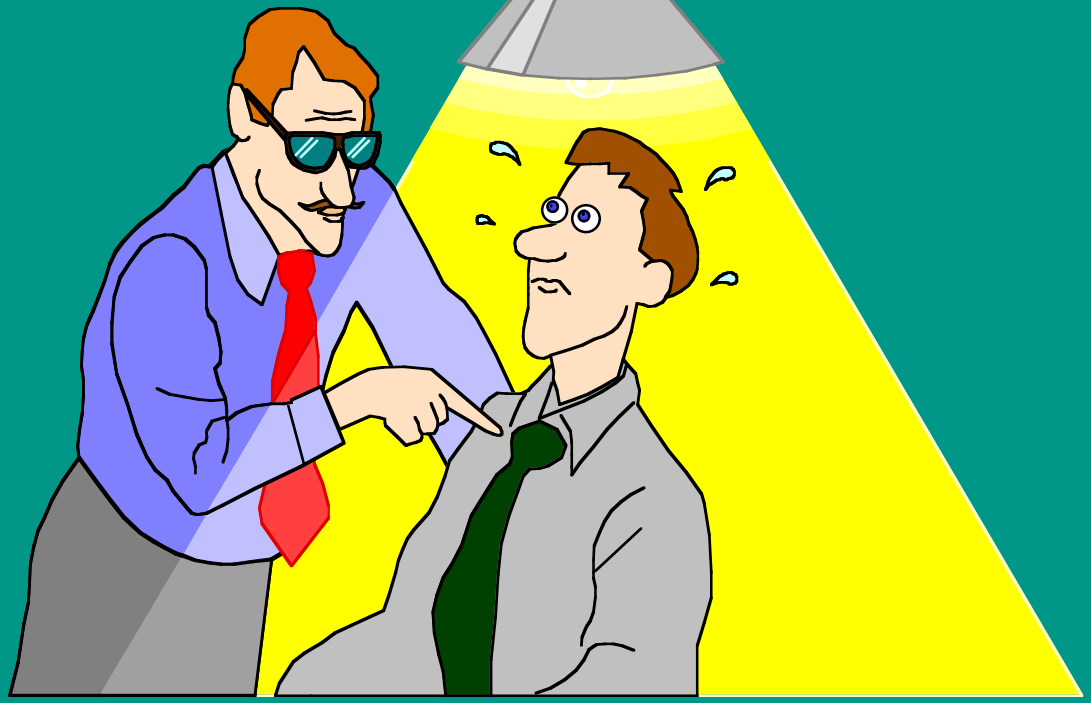
Questions